3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	Citation	ISSN number	Link to the recognition in UGC enlistment of the Journal
Measurement of neutron induced reaction cross-section of 99Mo	Upadhyay M., Department of Physics, Banaras Hindu University, Varanasi, 221005, India; Choudhary M., Department of P	Physical Sciences	Journal of Physics G: Nuclear and Particle Physics	2023	1	0954-3899	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177481947&doi=10.1088%2f1361-6471%2fad0417&partnerID=40&md5=7f754b9a4bd44ea795694b1d116a7a9f
Light-particle-induced deexcitations of 31- and 22+ resonances of C 12 in extreme stellar conditions	Baishya A., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Physical Sciences	Physical Review C	2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181449145&doi=10.1103%2fPhysRevC.108.065807&partnerID=40&md5=7e773e061657dabf9397ada05616b86b
Ergodic polar cluster state and its dynamics in K and Nb modified BaTiO3	Selvamani R., Solid-State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Rao R., Solid-State Ph	Physical Sciences	Ceramics International	2023	0	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173231068&doi=10.1016%2fj.ceramint.2023.09.276&partnerID=40&md5=32a2a365b6021e4277460bfc1d526000
Sterile neutrino searches with reactor antineutrinos using coherent neutrino-nucleus scattering experiments	Behera S.P., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mishra D.K., Nuclear Physi	Physical Sciences	Physical Review D	2023	0	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179781119&doi=10.1103%2fPhysRevD.108.113002&partnerID=40&md5=85e5e51179283c705519b70fd93d08ff
A unified thermal-field emission theory for metallic nanotips	Ramachandran R., Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Institute, Mumbai, 40	Physical Sciences	Journal of Applied Physics	2023	2	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179125442&doi=10.1063%2f5.0173728&partnerID=40&md5=4bb5097fa773464df7f48138c543e859
Field-induced phase transitions and anisotropic magnetic properties of the Kitaev-Heisenberg compound Na2Co2Te O	Bera A.K., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180355176&doi=10.1103%2fPhysRevB.108.214419&partnerID=40&md5=0d47d5e2d2a603977e90a464dde16e0c
Thermal catalytic mineralization of ortho-dichlorobenzene at low temperature: an in situ FT-IR and XPS mechanistic in	Kumar A., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, N	Chemical Sciences	Materials Advances	2023	2	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181806286&doi=10.1039%2fd3ma00628j&partnerID=40&md5=78e995c2a0935bb81730a89598173cd4
Fluorescence correlation spectroscopy measurements on amyloid fibril reveal at least two binding modes for fluoresc	Sarkar A., Radiation & Photochemistry Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha N	Chemical Sciences	Chemical Physics Impact	2023	0	2667-0224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176362003&doi=10.1016%2fj.chphi.2023.100369&partnerID=40&md5=4a61af07c92b5dac9f2aff0efac12ecf
Effects of intrinsic and extrinsic multi-phased lattice structure and chemical heterogeneity on the control of ferrimagn	Bhowmik R.N., Department of Physics, Pondicherry University, R. Venkataraman Nagar, Pondicherry, Kalapet, 605014, Ind	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	0	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174809399&doi=10.1016%2fj.jmmm.2023.171412&partnerID=40&md5=98a4be8b2b0c1eef4facb637f4cde6c1
Composition-dependent photoluminescence in nanocrystalline La2Hf2 −xZrxO7:Eu phosphor: role of chemical twin Zr	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181490785&doi=10.1039%2fd3cp05454c&partnerID=40&md5=1dfc9ad34aeaf409fb1310a34bdc90b5
Engineered triphenylphosphonium-based, mitochondrial-targeted liposomal drug delivery system facilitates cancer ce	Sivagnanam S., Department of Chemistry, SRM Institute of Science and Technology, SRM Nagar, Potheri, Tamil Nadu, Katt	Chemical Sciences	RSC Chemical Biology	2023	1	2633-0679	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181801565&doi=10.1039%2fd3cb00219e&partnerID=40&md5=e7bfe08b67feb8c0e5c9f40229ecdd53
Modulated Ultrathin NiCo-LDH Nanosheet-Decorated Zr3+-Rich Defective NH2-UiO-66 Nanostructure for Efficient Pho	Sk S., Department of Energy & Environmental Engineering, CSIR-Indian Institute of Chemical Technology, Hyderabad, 5000	Chemical Sciences	ACS Applied Materials and Interfaces	2023	5	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179140555&doi=10.1021%2facsami.3c13009&partnerID=40&md5=fc65c18d06f161551c29f17eee42ec16
One-pot synthesis of unsubstituted and methyl substituted-pyrazinyl diselenides and monoselenides: structural, optic	Kushwah N., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400, India; Chopade S.M., Chemistry	Chemical Sciences	RSC Advances	2023	0	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180013124&doi=10.1039%2fd3ra06591j&partnerID=40&md5=fcc8ce01fd9b96a54d6fe2962dd0f540
Concept of accident tolerant fuel in nuclear reactors	Yadav K.K., Light Water Reactor Physics Section, RPDD, BARC, Mumbai, 400085, India; Pal U., Light Water Reactor Physics	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	2	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174967706&doi=10.1016%2fj.nuclphysbps.2023.09.026&partnerID=40&md5=764a2300d71edf4cafb153c79622566a
Influence of amorphous intermediate domains on the performance of Na2O–Bi2O3–GeO2 glass–ceramic anode mate	Yerranuka S.K., Department of Physics, School of Science, GITAM Deemed to be University, TS, Hyderabad, 502329, India;	Chemical Sciences	Applied Physics A: Materials Science and Processing	2023	1	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176015245&doi=10.1007%2fs00339-023-07074-2&partnerID=40&md5=ca9180d44181b02d16c53c80ed257cdf
Local Structure and Speciation-Driven UO22+ → Sm3+ Energy Transfer for Enhanced Luminescence in Li2B4O7	Balhara A., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nat	Chemical Sciences; Physical Sciences	Inorganic Chemistry	2023	1	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179603112&doi=10.1021%2facs.inorgchem.3c03202&partnerID=40&md5=5f8862c359f57a37b5d88a7550b2ffe5
Suppression of Transients From Continuous Seismic Records Without Modifying the Amplitude of Ambient Noise	Gupta P., Homi Bhabha National Institute, Department of Engineering Sciences, Maharashtra, Mumbai, 400094, India; Mu	Physical Sciences	IEEE Sensors Journal	2023	0	1530-437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177062346&doi=10.1109%2fJSEN.2023.3328142&partnerID=40&md5=b1223d69868f1b4ca246672c3c2028b4
Predicting the pair correlation functions of silicate and borosilicate glasses using machine learning	Ayush K., Department of Chemical Engineering and Center for Atomistic Modeling and Materials Design, Indian Institute o	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180107056&doi=10.1039%2fd3cp05136f&partnerID=40&md5=32f1d533e18f666a00ea938dc819da6a
Intercorrelations of structural-magnetic properties of La0.7A0.3MnO3 (A=Ba, Sr, Pb) manganites and the energy harve	Koner S., Laser Biomedical Applications Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, H	Physical Sciences	Journal of Alloys and Compounds	2023	2	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172315280&doi=10.1016%2fj.jallcom.2023.172249&partnerID=40&md5=4663601177be29be392ffe75ed6f97fe
Structural and electronic properties of novel BeN4/MgN4 nanoribbons	Ponvijayakanthan L., D Materials Research Laboratory, Discipline of Physics, PDPM Indian Intitute of Information Technolo	Physical Sciences	Nano Express	2023	1	2632-959X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177605548&doi=10.1088%2f2632-959X%2fad04f8&partnerID=40&md5=d7b76aa1b90abf54571e271d2ee2b6c9
Microwave absorption and hyperthermia properties of titanium dioxide–nickel zinc copper ferrite nanocomposite	Mallick A., Solid State Research Laboratory, Department of Physics, The University of Burdwan, West Bengal, Burdwan, 71	Chemical Sciences	Journal of Magnetism and Magnetic Materials	2023	2	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174828176&doi=10.1016%2fj.jmmm.2023.171373&partnerID=40&md5=8cd0b83da14286321427ac50e0df4fc6
Interparticle interaction-dependent jamming in colloids: insights into glass transition and morphology modulation dur	Mehta S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Chemical Sciences; Physical Sciences	Soft Matter	2023	0	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180307473&doi=10.1039%2fd3sm01186k&partnerID=40&md5=9b5e56f9d7bc588a8b0216ca25bc4bef
Observation of charge transfer induced large enhancement of magnetic moment in a structurally disordered inverse H	Chakraborty S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 700064,	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180957375&doi=10.1103%2fPhysRevB.108.245151&partnerID=40&md5=09f900caf2947e25a5908dc211fe79f3
β-Bi2O3-Bi2WO6 Nanocomposite Ornated with meso-Tetraphenylporphyrin: Interfacial Electrochemistry and Photore	Pal S., Department of Chemistry, Jadavpur University, Kolkata, 700032, India; Mahamiya V., National Institute for Material	Physical Sciences	Inorganic Chemistry	2023	0	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180066214&doi=10.1021%2facs.inorgchem.3c03213&partnerID=40&md5=17b43ce68c02041e667bd8c47ba48c88
AC Conductivity and Dielectric Constant of Fast Ion-Electronic Conductor AgI-C	Jayakrishnan V.B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nat	Physical Sciences	ECS Journal of Solid State Science and Technology	2023	0	2162-8769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180148472&doi=10.1149%2f2162-8777%2fad1198&partnerID=40&md5=847c54a1cb29acf63687def6dea2d1fe
Experiments and CFD modelling of bubble formation at a lateral hole in a top-submerged nozzle	Sen N., Chemical Engineering Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha N	Engineering Sciences	Chemical Engineering Research and Design	2023	0	0263-8762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175330058&doi=10.1016%2fj.cherd.2023.09.013&partnerID=40&md5=bb6a86e695bb03b6b77fa9a7a91d9534
Simulation of random medium of fuel pebble with liquid salt coolant using PebMC code	Singh I., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute	Physical Sciences	Physics Open	2023	0	2666-0326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175532030&doi=10.1016%2fj.physo.2023.100190&partnerID=40&md5=d6132ce43623c3b3a66a46cc159d4272
Fibril ZnO as an Electron Transporting Layer for Enhancing the Photovoltaic Performance of Inverted Polymer Solar Ce	Putta V., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Gupta D., Homi Bhabha Nat	Physical Sciences	ACS Applied Electronic Materials	2023	0	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180098671&doi=10.1021%2facsaelm.3c01226&partnerID=40&md5=7d2f6fd2ceca066cb37c518cd25d9512
Understanding the broad-band emission process of 3C 279 through long term spectral analysis	Thekkoth A., Department of Physics, University of Calicut, Kerala, Malappuram, 673635, India; Sahayanathan S., Astrophys	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2023	1	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177164116&doi=10.1093%2fmnras%2fstad3094&partnerID=40&md5=b3c4e7c602ce10f2ac41d9e124b9b838
Unprecedented confinement time of electron plasmas with a purely toroidal magnetic field in SMARTEX-C	Lachhvani L., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Bhat, Gujarat, Gandhinagar, 382428, I	Physical Sciences	Scientific Reports	2023	1	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175711376&doi=10.1038%2fs41598-023-44849-2&partnerID=40&md5=836a718e9d8eee95b3a73718f12a11b9
Unravelling the mechanisms of copper precipitation-induced strengthening in austenitic stainless steels: An atomistic	Biswal S., Department of Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur, West Bengal,	Engineering Sciences	Materialia	2023	0	2589-1529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177200314&doi=10.1016%2fj.mtla.2023.101962&partnerID=40&md5=18f16e6e1ed389032dbb2f4cd95dbbd2
CTAB induced growth and shrinkage of Pluronics® P103 micelles: Experimental and theoretical rationale	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gujarat, Sur	Physical Sciences	Journal of Molecular Liquids	2023	1	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174698206&doi=10.1016%2fj.molliq.2023.123315&partnerID=40&md5=292dbac2f96d8e76e5b7ad8dabf52839
Quintinite: A Mg–Al-layered double hydroxide as an efficient amido black dye adsorbent	Bokka S., MAPS (Materials' Process - Structure correlations) Laboratory, Metallurgical and Materials Engineering, Indian In	Chemical Sciences	Ceramics International	2023	1	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173873943&doi=10.1016%2fj.ceramint.2023.10.072&partnerID=40&md5=beaefb1ec93a7bc7a708b685d0d0bbc5
Design, fabrication, and characterization of a drift tube linac type double gap re-buncher cavity	Mathew J.V., Ion Accelerator Development Division, BARC, Mumbai, 400085, India; Priyadarshini P., Ion Accelerator Devel	Physical Sciences	Review of Scientific Instruments	2023	1	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178851016&doi=10.1063%2f5.0175648&partnerID=40&md5=b806c0e2e0246e6c1728e44e2d03704e
High-capacity hydrogen storage in zirconium decorated psi-graphene: acumen from density functional theory and mo	Nair H.T., Department of Physics, The M. S. University of Baroda, Gujarat, Vadodara, 390002, India; Jha P.K., Department o	Physical Sciences	International Journal of Hydrogen Energy	2023	21	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138573139&doi=10.1016%2fj.ijhydene.2022.08.084&partnerID=40&md5=99e07a10b063146f43949bba18e0971b
Bio-conjugated carbon dots for the bimodal detection of prostate cancer biomarkers via sandwich fluorescence and e	Korram J., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Anbalagan A.C., Chemis	Chemical Sciences	Journal of Materials Chemistry B	2023	3	2050-750X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181754165&doi=10.1039%2fd3tb02090h&partnerID=40&md5=52a24acbd4544f54a92b3a213de4e753
CFD and machine learning based hybrid model for passive dilution of helium in a top ventilated compartment	Sharma P.K., Reactor Safety Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Verma V., React	Engineering Sciences	Kerntechnik	2023	0	0932-3902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177173309&doi=10.1515%2fkern-2023-0079&partnerID=40&md5=d82f0bc253ce27cc3a7f0aff3b91b740
Fe(TCNQ)2 nanorod arrays: an efficient electrocatalyst for electrochemical ammonia synthesis via the nitrate reductio	Mukherjee N., Department of Industrial Chemistry & Applied Chemistry, Swami Vivekananda Research Centre, Ramakrishn	Physical Sciences	Journal of Materials Chemistry A	2023	14	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182351229&doi=10.1039%2fd3ta05300h&partnerID=40&md5=d36a2f44f0d28b4630131381e1d8f82a
Flow synthesis of 1-ethyl-3-methylimidazolium ethyl sulfate in a PTFE micro-capillary: an experimental and numerical	Sen N., Chemical Engineering Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India, Homi Bhabha N	Engineering Sciences	Microfluidics and Nanofluidics	2023	0	1613-4982	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174713832&doi=10.1007%2fs10404-023-02686-9&partnerID=40&md5=75c9a05103e9b3f070917b23fb7e02d3
Lithium decorated Ψ-graphene as a potential hydrogen storage material: Density functional theory investigations	Dewangan J., Indian Institute of Technology Bombay, Mumbai, 400076, India; Mahamiya V., Indian Institute of Technology	Physical Sciences	International Journal of Hydrogen Energy	2023	19	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143858417&doi=10.1016%2fj.ijhydene.2022.10.142&partnerID=40&md5=f4573752f6ca429e02dff536a8454c6b
Micro-structural analysis of oxygen irradiated V-4Cr-4Ti by X-ray and electron back scattered diffraction	Dey S., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India; Gayathri N., Variable Energy Cyclotro	Chemical Sciences; Engineering Sciences	Fusion Engineering and Design	2023	0	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177040324&doi=10.1016%2fj.fusengdes.2023.114064&partnerID=40&md5=cb52f0ae15441988509e84daa016224d
A Simplified and Affordable Arsenic Filter to Prevent Arsenic Poisoning: Lab-Scale Study and Pilot Experiment	Panda A.P., Department of Chemistry, Birla Institute of Technology, Mesra, Jharkhand, Ranchi, 835215, India, Chitkara Uni	Chemical Sciences	ACS ES and T Water	2023	0	2690-0637	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178085984&doi=10.1021%2facsestwater.3c00475&partnerID=40&md5=41ed216f797a49c5a0178e531b716e08
Plant regeneration through somatic embryogenesis in cell suspensions of Cenchrus ciliaris L.	Goyal S., Plant Developmental Biology, Department of Botany, University of Delhi, Delhi, 110007, India; Chatterjee V., Dep	Life Sciences	Plant Methods	2023	3	1746-4811	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174460483&doi=10.1186%2fs13007-023-01081-3&partnerID=40&md5=f080cc5458662aa01f746549fb0a66cd
Fluorescence based studies on the interaction and characterization of surface-active ionic liquids with polarity sensitiv	Ray D., Department of Chemistry, North-Eastern Hill University, Shillong, 793 022, India; Chamlagai D., Department of Che	Physical Sciences	Chemical Physics Impact	2023	1	2667-0224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178212655&doi=10.1016%2fj.chphi.2023.100368&partnerID=40&md5=bbca9882e506f963629cc51e5fc721d5
Adsorption and dehydrogenation of ammonia on Ru55, Cu55 and Ru@Cu54 nanoclusters: role of single atom alloy cat	Chattaraj D., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Majumde	Chemical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179812497&doi=10.1039%2fd3cp04830f&partnerID=40&md5=03dbdab41787ae9d7e21a676feafd635
Study of reactive electron beam deposited tantalum penta oxide thin films with spectroscopic ellipsometry and atomi	Tokas R.B., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, HBNI	Physical Sciences	Applied Surface Science Advances	2023	1	2666-5239	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175083560&doi=10.1016%2fj.apsadv.2023.100480&partnerID=40&md5=2044f18dc13dede60b38b7c0d42b1da9
Radiation assisted hydrophobization of jute fiber	Jha A., Homi Bhabha National Institute, Mumbai, India, Isotope and Radiation Application Division, Bhabha Atomic Resear	Chemical Sciences	Journal of Applied Polymer Science	2023	2	0021-8995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171594687&doi=10.1002%2fapp.54690&partnerID=40&md5=865b4f976d709cc13b3f3f70b8690614
Ionic Liquid Assisted Exothermic Complexation of Trivalent Lanthanides with Fluorinated β Diketone: Multitechnique A	Nagar A., UM-DAE Centre for Excellence in Basic Sciences, Mumbai, 400098, India; Sengupta A., Radiochemistry Division, B	Chemical Sciences	Inorganic Chemistry	2023	5	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178555791&doi=10.1021%2facs.inorgchem.3c03029&partnerID=40&md5=445c6032d41049ab6e8ffd74828b3501
Additive-Free Continuous, Weavable Carbon Nanotube Fibers as Wearable Multifunctional Gas Sensor	Rohilla R., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Mu	Chemical Sciences; Engineering Sciences	IEEE Sensors Journal	2023	1	1530-437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177031581&doi=10.1109%2fJSEN.2023.3330945&partnerID=40&md5=07524e38aae632f08a2f5da085472dcd
Potential reversible hydrogen storage in Li-decorated carbon allotrope PAI-Graphene: A first-principles study	Mahamiya V., Indian Institute of Technology Bombay, Mumbai, 400076, India; Shukla A., Indian Institute of Technology Bo	Physical Sciences	International Journal of Hydrogen Energy	2023	9	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142123400&doi=10.1016%2fj.ijhydene.2022.11.016&partnerID=40&md5=1f41f49842342a6b0dbdfdeec3c76a88
Trap engineering through chemical doping for ultralong X-ray persistent luminescence and anti-thermal quenching in	Balhara A., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nat	Chemical Sciences; Physical Sciences	Journal of Materials Chemistry C	2023	5	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182197552&doi=10.1039%2fd3tc03731b&partnerID=40&md5=c591252365232c77885184c492661cde
Surface modification of thin film composite nanofiltration membrane with graphene oxide by varying amine linkers: S	Vaishnavi P.S.V., Department of Chemical Engineering, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga,	Engineering Sciences; Life Sciences	Journal of Membrane Science	2023	10	0376-7388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169047490&doi=10.1016%2fj.memsci.2023.122021&partnerID=40&md5=bfc715585289fc012216239aa5f359dd
A comprehensive investigation on CdO-SnO2 system: Structure, thermal expansion and energetics	Narang S., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Aiswarya P.M., Chemist	Chemical Sciences	Journal of Alloys and Compounds	2023	1	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171385092&doi=10.1016%2fj.jallcom.2023.171973&partnerID=40&md5=dcc5524037aaeab25c644b3df57b917b
Insights into the evolution of mutations in SARS-CoV-2 non-spike proteins	Arya R., Protein Crystallography Section, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Life Sciences; Physical Sciences	Microbial Pathogenesis	2023	1	0882-4010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178031810&doi=10.1016%2fj.micpath.2023.106460&partnerID=40&md5=1492f357793ca2f9cdd57222930b9538
Facile Hydrogenolysis of Sugars to 1,2-Glycols by Ru@PPh3/OPPh3 Confined Large-Pore Mesoporous Silica	Modak A., Department of Chemical Engineering, Catalytic Reaction Engineering Lab, Indian Institute of Technology, Delhi (	Physical Sciences	Journal of Physical Chemistry Letters	2023	2	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179122082&doi=10.1021%2facs.jpclett.3c02740&partnerID=40&md5=ca2655e72a4055b4c475f7c08a106713
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Testicular Metastasis from Neuroendocrine Tumors: Imaging and Theranostics Through 68Ga-DOTATATE PET/CT and	Parghane R.V., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, India, Homi	Medical and Health Sciences	Clinical Nuclear Medicine	2023	1	0363-9762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176495555&doi=10.1097%2fRLU.0000000000004846&partnerID=40&md5=d99271ddbf310de9b2c3d7a86fd2f4b9
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Overview of Method of ChAracteristics based Neutron TRAnsport Code (MANTRA) and its validation	Mazumdar T., Reactor Physics & Nuclear Engineering Section, Research Reactor Services Division (RRSD), Reactor Group (R	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174933650&doi=10.1016%2fj.nuclphysbps.2023.09.028&partnerID=40&md5=10de75391f97debc88095f37db19f97f
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Prebiotic chemical origin of biomolecular complementarity	Sajeev Y., Theoretical Chemistry Section, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute	Chemical Sciences	Communications Chemistry	2023	0	2399-3669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177810701&doi=10.1038%2fs42004-023-01060-8&partnerID=40&md5=cbc2d60f90434bbd35caa472550b25f2
PM1, PM2.5 and PM10 size fraction distribution under steady-state conditions in a walk-in type 222Rn calibration cha	Vijith A.P., Centre for Advanced Research in Environmental Radioactivity (CARER), Mangalore University, Mangalore, 5741	Physical Sciences	Radiation Protection Dosimetry	2023	0	0144-8420	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180772127&doi=10.1093%2frpd%2fncad262&partnerID=40&md5=0c1b3969eba81cbfb4cf7e39c34e4976
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High capacity hydrogen storage on zirconium decorated γ-graphyne: A systematic first-principles study	Singh M., Department of Physics, Indian Institute of Technology Bombay, Mumbai, Powai, 400076, India; Shukla A., Depar	Physical Sciences	International Journal of Hydrogen Energy	2023	9	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136769180&doi=10.1016%2fj.ijhydene.2022.07.062&partnerID=40&md5=f2c710de95ab0265523ec6912ad9d285
Cost effective red emitting Eu3+ doped natural sodium feldspar (NaAlSi3O8) powder and photophysical changes on tr	Saha P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Shukla R., Chemistry Division, Bhabh	Chemical Sciences	Results in Optics	2023	0	2666-9501	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174944278&doi=10.1016%2fj.rio.2023.100566&partnerID=40&md5=7920b863742c74b7381ca5610a94d29d
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Hydrogen spillover enhances alkaline hydrogen electrocatalysis on interface-rich metallic Pt-supported MoO3	Samanta R., School of Chemical Sciences, National Institute of Science Education and Research (NISER), HBNI, Orissa, Bhub	Physical Sciences	Chemical Science	2023	6	2041-6520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179811698&doi=10.1039%2fd3sc04126c&partnerID=40&md5=2bb319fb441ea42f6b5de92013ebebc8
Inclusion phenomenon of β-carboline alkaloids with sulfonatocalix[4]arene: Photophysical, cytotoxicity and theoretica	Thorave R., Department of Chemistry, Savitribai Phule Pune University, Pune, 411007, India; Kalyani V., Department of En	Chemical Sciences	Journal of Molecular Liquids	2023	1	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175688952&doi=10.1016%2fj.molliq.2023.123450&partnerID=40&md5=93c28ae279ba1c00fece28ad17917a15
68Ga-PSMA-11 PET/CT Imaging in Brain Gliomas and Its Correlation with Clinicopathological Prognostic Parameters	Verma P., Radiation Medicine Centre, Bhabha Atomic Research Centre, TMC Annexe, Jerbai Wadia Rd, Parel, Mumbai, 400	Medical and Health Sciences	Clinical Nuclear Medicine	2023	3	0363-9762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176495724&doi=10.1097%2fRLU.0000000000004903&partnerID=40&md5=21539ae4ad89fa7b306acb276fb27f0c
Pressure driven polymorphic transitions in nanocrystalline Lu2O3, Tm2O3 and Eu2O3	Bura N., CSIR- National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi, 110012, India, Academy of Scientific and I	Physical Sciences	Scientific Reports	2023	2	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174175112&doi=10.1038%2fs41598-023-42181-3&partnerID=40&md5=f49a2e40fd61b69203970b0581c1baba
Detection of polycyclic aromatic hydrocarbons on a sample of comets	Venkataraman V., Space Physics Laboratory, Vikram Sarabhai Space Center, ISRO Post, Thiruvananthapuram, 695022, Indi	Physical Sciences	Journal of Astrophysics and Astronomy	2023	0	0250-6335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174302307&doi=10.1007%2fs12036-023-09977-1&partnerID=40&md5=20ac18a314cd33131ad225e7f0664d68
Comparative transcriptomics of stem rust resistance in wheat NILs mediated by Sr24 rust resistance gene	Vishwakarma G., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Maharashtra	Life Sciences	PLoS ONE	2023	0	1932-6203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179642304&doi=10.1371%2fjournal.pone.0295202&partnerID=40&md5=a8557afbf6647e56c2381057ef1d44ae
Enhanced nitrobenzene sensing in metal anchored gamma-graphyne: predictions from density functional theory	Lakshmy S., Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kerala, Kottayam,	Physical Sciences	Journal of Physics D: Applied Physics	2023	4	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173090255&doi=10.1088%2f1361-6463%2facf7d1&partnerID=40&md5=e0b6a1bcd2d8c18ba94cb8c81b3cb366
An experimental and numerical study: to investigate the switching characteristics of a field-distortion sparkgap switch	Kumar G.V., Homi Bhabha National Institute, India, Pulsed Power and Electromagnetic Division, Bhabha Atomic Research (	Engineering Sciences; Physical Sciences	Engineering Research Express	2023	0	2631-8695	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180007420&doi=10.1088%2f2631-8695%2fad0fc2&partnerID=40&md5=a1467089529a5bc3824d63a21b8a8611
222Rn and progeny concentrations and equilibrium factor (F) in different types of dwellings typical of the west coast r	Vijith A.P., Centre for Advanced Research in Environmental Radioactivity (CARER), Mangalore University, Mangalore, 574 1	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173157050&doi=10.1016%2fj.nuclphysbps.2023.09.024&partnerID=40&md5=b05fb3e5c8d79c944b5d7ea40d5e5a78
MnNCN@C nanocomposite as an anode for Li-ion battery	Pradhan S., Department of Metallurgical Engineering, Indian Institute of Technology (BHU), Varanasi, 221005, India; Anura	Chemical Sciences	Materials Science and Engineering: B	2023	1	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172910246&doi=10.1016%2fj.mseb.2023.116894&partnerID=40&md5=91764338a677726c7a4ae435dd3432a6
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Novel application of sodium manganese oxide in removing acidic gases in ambient conditions	Gupta N.K., Department of Environmental Research, University of Science and Technology (UST), Daejeon, 34113, South K	Chemical Sciences	Scientific Reports	2023	3	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147792334&doi=10.1038%2fs41598-023-29274-9&partnerID=40&md5=2d878768a9b921732a81c3eeed1c8d76
Dual Excited State Proton Transfer Pathways in the Bifunctional Photoacid 6-Amino-2-naphtol	Jagushte K.U., Department of Speciality Chemicals Technology, Institute of Chemical Technology, Matunga (E), Mumbai, 4	Chemical Sciences	Journal of Physical Chemistry B	2023	1	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177103624&doi=10.1021%2facs.jpcb.3c05519&partnerID=40&md5=646dc6c6d0d6e7d8049a0607f958242c
Study of thorium-induced micro-structural changes in mice femoral bone using SR-μCT	Agrawal A.K., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National	Life Sciences; Physical Sciences	Toxicology and Environmental Health Sciences	2023	1	2005-9752	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169699162&doi=10.1007%2fs13530-023-00191-8&partnerID=40&md5=420a493433077a519c33581c2419a411

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Stochastic modelling of diffused and specular reflector efficiencies for scintillation detectors	Pany S.S., Homi Bhabha National Institute, Mumbai, India, Bhabha Atomic Research Centre, Trombay, Mumbai, India; Sing	Engineering Sciences; Physical Sciences	Journal of Optics (India)	2023	0	0972-8821	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156275171&doi=10.1007%2fs12596-023-01190-1&partnerID=40&md5=adf0ebc19b65513743b79a98f99a43eb
Intrinsically 69Ge-Labeled Gum Arabic Glycoprotein-Coated Gallium Oxide Nanoparticles: A New Nanoprobe for PET I	Ghosh S., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Chemical Sciences; Engineering Science	Industrial and Engineering Chemistry Research	2023	0	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179104060&doi=10.1021%2facs.iecr.3c02607&partnerID=40&md5=1bf77a96ccc35d3fa447de8c6852ac5e
Total Reflection X-ray Fluorescence Spectrometric Analysis of Ten Lanthanides at the Ultratrace Level Having a High D	Sanyal K., Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences	ACS Omega	2023	0	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177792976&doi=10.1021%2facsomega.3c05139&partnerID=40&md5=bf3b4f38db1b46a8115660734aaa3ed9
Pore-Confined π-Chromophoric Tetracene as a Visible Light Harvester toward MOF-Based Photocatalytic CO2 Reducti	Parambil S.R.V., Molecular Materials Laboratory, Chemistry and Physics of Materials Unit, School of Advanced Materials (S	Chemical Sciences	Inorganic Chemistry	2023	0	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178496041&doi=10.1021%2facs.inorgchem.3c02926&partnerID=40&md5=e60f139216f6fb213687d89384eaece5
Co-precipitation synthesis of pseudocapacitive λ-MnO2 for 2D MXene (Ti3C2Tx) based asymmetric flexible supercapa	Thanigai Vetrikarasan B., Centre for Energy Storage and Conversion, SASTRA Deemed University, Tamil Nadu, Thanjavur, 6	Chemical Sciences	Journal of Energy Storage	2023	9	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165228498&doi=10.1016%2fj.est.2023.108403&partnerID=40&md5=1f67dd896c965f584049af064d84c665
Pressure-Induced Phase Transitions and Amorphization in HgCN(NO3)	Jain A., School of Engineering and Technology, Navrachana University, Gujarat, Vadodara, 391410, India; Garg N., High Pre	Physical Sciences	Journal of Physical Chemistry C	2023	0	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177165943&doi=10.1021%2facs.jpcc.3c03542&partnerID=40&md5=dd9080c2386d5aa6077ae289044aea8d
Pressure-induced phase transition, its mechanism and compressibility studies on nanocrystalline and bulk U3O8	Shukla B., High Pressure Studies Section, Condensed Matter Physics Division, Materials Science Group, Indira Gandhi Cent	Engineering Sciences; Physical Sciences	Journal of Solid State Chemistry	2023	1	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173135766&doi=10.1016%2fj.jssc.2023.124340&partnerID=40&md5=6f2980b256c84ac7ac425275ac204848
Codoping of Yttria (Y2O3): Ho-Yb Nanoparticles with Li Increase Emitted Green Light Intensity for Security Ink and Bioi	Srivastava M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Sahu S.K., Chemistry Division,	Chemical Sciences	ACS Applied Nano Materials	2023	0	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179174982&doi=10.1021%2facsanm.3c03903&partnerID=40&md5=644204618c7daf61c58d7b58f41c3a13
Interaction of β-lactoglobulin with gemcitabine based dansylated probe for its application in quantification of milk alle	Gadly T., Bio-Organic Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Patro B.S., Bio-Organic Division, B	Life Sciences	Journal of Molecular Liquids	2023	1	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173611763&doi=10.1016%2fj.molliq.2023.123259&partnerID=40&md5=c437cf86bef3a78efbbfcfc8c80ecb2a
Diglycolamic acid for the mutual separation of lanthanides and actinides from dilute nitric acid solution: solvent extra	Dhawa A., Integrated Nuclear Recycle Plant, Bhabha Atomic Research Centre Facilities, Kalpakkam, 603102, India, Homi Bl	Chemical Sciences	New Journal of Chemistry	2023	1	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179158079&doi=10.1039%2fd3nj02840b&partnerID=40&md5=40c294b1ac35ce641f00ca8362ce70ea
Dose measurement using a leuco crystal violet film system with high sensitivity for food irradiation applications	Kaarunya Dhevi G.G., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha N	Life Sciences	Radiation Physics and Chemistry	2023	2	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168423534&doi=10.1016%2fj.radphyschem.2023.111206&partnerID=40&md5=d6239b54e4af227e432791d25d05b5b7
Hydrogen-bonded linear chain assemblies of palladium(ii)-selenoether complexes: solid state aggregates as templates	Kumbhare L.B., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400, India; Udayan A.P.M., Department of N	Chemical Sciences; Physical Sciences	Dalton Transactions	2023	0	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178122985&doi=10.1039%2fd3dt02170j&partnerID=40&md5=463437fad82d7f88c00833876166898f
Reactivity of oxidants towards phenyl and benzyl substituted 5-selanylpentanoic acids: radiolytic and theoretical insig	Singh B.G., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 4000851, India, Hor	Chemical Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179058463&doi=10.1039%2fd3nj04487d&partnerID=40&md5=22247bc5dd5b49509430d6b303b1c9fe
Search for pair-produced vector-like leptons in final states with third-generation leptons and at least three b quark jet	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; Andı	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174050161&doi=10.1016%2fj.physletb.2023.137713&partnerID=40&md5=5a17f4534238adebc523e0411642384c
Highly efficient separation of Nb from Ta using a unique solvent system containing tri-n-octyl phosphine oxide in an io	Sengupta A., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Chemical Sciences	Journal of Molecular Liquids	2023	1	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171342409&doi=10.1016%2fj.molliq.2023.123033&partnerID=40&md5=77b0a1ccc0fa2e39730f833159d561b0
A simplified and cost-effective detection of cancer bio-markers using BODIPY and surfactant-templated fluorogenic se	Sarkar S., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Gorai S., Bio-Or	Chemical Sciences	New Journal of Chemistry	2023	1	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176787760&doi=10.1039%2fd3nj04380k&partnerID=40&md5=f05217ab32e7d308833429f2a1ad883d
Improved performance of LiFePO4F cathodes via V/Na-ion co-doping for application in lithium-ion batteries	Shinde P.V., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Dutta D.P., Chemistry Division,	Chemical Sciences	Ionics	2023	2	0947-7047	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171333892&doi=10.1007%2fs11581-023-05224-3&partnerID=40&md5=756a98b7e8b6f3726030078c24295cfe
Characterizing and demonstrating the role of Klebsiella SSN1 exopolysaccharide in osmotic stress tolerance using neu	Sharma S., Dept. of Microbiology and Biotechnology, School of Sciences, Gujarat University, Ahmedabad, 380009, India; R	Physical Sciences	Scientific Reports	2023	1	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163139240&doi=10.1038%2fs41598-023-37133-w&partnerID=40&md5=1cf5087f3a81d70e41d93d88a2e0f59d
Field electron emission performance of Janus MoSSe and MoSSe-MWCNTs composite: Corroboration by Hall measure	Mistari C.D., Department of Physics, Savitribai Phule Pune University Pune, India; Mane P., Seismology Division, Bhabha At	Physical Sciences	Journal of Alloys and Compounds	2023	3	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165280516&doi=10.1016%2fj.jallcom.2023.171356&partnerID=40&md5=23fbde91afb53fa044cadbdd76335cbd
Prognostic predictors for recurrence following curative resection in grade I/II pancreatic neuroendocrine tumours	Chopde A., Gastrointestinal and Hepato-Pancreato-Biliary Service, Department of Surgical Oncology, Tata Memorial Centr	Medical and Health Sciences	Langenbeck's Archives of Surgery	2023	1	1435-2443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159758700&doi=10.1007%2fs00423-023-02943-z&partnerID=40&md5=628860941f6e2414f61f46e0f617b939
Effect of ZnO morphologies on its sensor response and corresponding E-nose performance	Sinju K.R., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Ins	Physical Sciences	Materials Science and Engineering: B	2023	2	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172901434&doi=10.1016%2fj.mseb.2023.116870&partnerID=40&md5=918e5c5dbd5902a81f30115e6f9c78a7
Dynamic phase transformation driven microstructure and texture development during deformation of Zr-2.5wt.%Nb i	Bharat Reddy G., Division of Engineering Sciences, Homi Bhabha National Institute, Mumbai, 400094, India, Mechanical M	Engineering Sciences; Physical Sciences	Acta Materialia	2023	1	1359-6454	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171758187&doi=10.1016%2fj.actamat.2023.119354&partnerID=40&md5=e939d098d1c1e5f0f79c3a1c38b3b090
Evidence of Size Stratification in Colloidal Glass Microgranules Realized by Rapid Evaporative Assembly	Tiwari A.K., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National I	Engineering Sciences; Physical Sciences	Langmuir	2023	1	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176495079&doi=10.1021%2facs.langmuir.3c01872&partnerID=40&md5=b0f48bfc4b76d7abe8174c5fd1f79ca1
Laser isotope separation of 223Ra	Suryanarayana M.V., Bhabha Atomic Research Centre, Andhra Pradesh, Visakhapatnam, India	Physical Sciences	Scientific Reports	2023	1	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156237576&doi=10.1038%2fs41598-023-34204-w&partnerID=40&md5=7980996f9c0c175a875ba8faa07f670a
Ni1-xZnxFe2O4@CoO (x = 0.25 and 0.50) Nanoparticles for Magnetic Resonance Imaging	Konwar K., Department of Physics, Tezpur University (Central University), Tezpur, 784028, India; Bora M., Department of F	Physical Sciences	ACS Applied Nano Materials	2023	3	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178731189&doi=10.1021%2facsanm.3c04658&partnerID=40&md5=0edafbffb3d065676e327e09f785e4b7
Dimethylpiperazine on Air-Water Interface: Vibrational Sum frequency Generation study of a cyclic tertiary amine	SENGUPTA S., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, H	Chemical Sciences	Journal of Molecular Liquids	2023	0	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173273594&doi=10.1016%2fj.molliq.2023.123248&partnerID=40&md5=c98f00260e2d9aa0dd4ba5d9998150cd
Quantifying nematic order in the evaporation-driven self-assembly of halloysite nanotubes: nematic islands and the c	Dadwal A., Department of Physics, Indian Institute of Technology Bombay Powai, Mumbai, 400076, India; Prasher M., Mat	Engineering Sciences	Soft Matter	2023	1	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178316488&doi=10.1039%2fd3sm01224g&partnerID=40&md5=7e988df628afa3b502b8e367333554c9
Magneto-strain effects in 2D ferromagnetic van der Waal material CrGeTe 3	Vijay K., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, Indore	Chemical Sciences; Physical Sciences	Scientific Reports	2023	2	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160277461&doi=10.1038%2fs41598-023-35038-2&partnerID=40&md5=14bf5f648e866ceb74107768408d34f8
Rapid and reliable assaying of Tc-99 in sediment samples with novel MTPN polymeric resin	Pant A.D., Environmental Monitoring and Assessment Division, India, Homi Bhabha National Institute, Bhabha Atomic Res	Chemical Sciences	Journal of Environmental Radioactivity	2023	0	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171617750&doi=10.1016%2fj.jenvrad.2023.107297&partnerID=40&md5=f88899482113cba7c923f8b252a57222
Investigating the impact of roller position on pressure tube-end fitting rolled joint performance using 3D explicit finite	Roy V., Advanced Heavy Water Reactor Division, Reactor Design & Development Group, India, Bhabha Atomic Research C	Engineering Sciences	International Journal of Pressure Vessels and Piping	2023	2	0308-0161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171371733&doi=10.1016%2fj.ijpvp.2023.105057&partnerID=40&md5=5e392f95e9da831794f3926eee255842
Aspirin-Induced Ordering and Faster Dynamics of a Cationic Bilayer for Drug Encapsulation	Sahu S., Department of Chemistry, Indian Institute of Technology, Jodhpur, 342037, India; Srinivasan H., Solid State Physic	Physical Sciences	Langmuir	2023	1	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178104767&doi=10.1021%2facs.langmuir.3c02241&partnerID=40&md5=4d23bdd2722b158159caa01460332e20
Combined Thermodynamic, Theoretical, and Biological Study for Investigating N-(2-Acetamido)iminodiacetic Acid as a	Sharma S., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ali M., Radiation Biology an	Chemical Sciences; Life Sciences	Inorganic Chemistry	2023	2	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177504360&doi=10.1021%2facs.inorgchem.3c02296&partnerID=40&md5=9e908fb48f5378c8a86aaab1c09eee64
Search for the Higgs boson decay to a pair of electrons in proton-proton collisions at s=13TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; Andı	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174689862&doi=10.1016%2fj.physletb.2023.137783&partnerID=40&md5=c987627a65093f1689f4b0e0a7e1361f
Dimensionality reduction and sensitivity improvement for TACTIC Cherenkov data using t-SNE machine learning algori	Das M.P., Astrophysical Sciences Division, Bhabha Atomic Research Centre, Trombay, Maharashtra, Mumbai, 400085, Indi	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	3	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172174521&doi=10.1016%2fj.nima.2023.168683&partnerID=40&md5=fcf7832de29ed3915daa6694af2efaf3
Reduction-sensitive shell crosslinked TPGS micelles: Formulation and colloidal characterizations	Sarolia J., Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER), Raebareli,	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2023	1	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172397385&doi=10.1016%2fj.colsurfa.2023.132321&partnerID=40&md5=a9fb2797875e5b8d56fd185e89f792d4
Sigma phase precipitation and growth in solution annealed 321 stainless steel during thermal aging: Effects on toughn	Bonagani S.K., Materials Processing & Corrosion Engineering Division, Bhabha Atomic Research Centre, Mumbai, 400 085,	Engineering Sciences	Materials Science and Engineering: A	2023	6	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174399778&doi=10.1016%2fj.msea.2023.145763&partnerID=40&md5=d4587295642cf9fb87dbbff6e39f913b
AI and CV based 2D-CNN algorithm: botanical authentication of Indian honey	Brar D.S., Department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology, Punja	Life Sciences	Sustainable Food Technology	2023	4	2753-8095	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181820040&doi=10.1039%2fd3fb00170a&partnerID=40&md5=52b56d2f7724a34da07076e04b036e50
Defect properties and solution energies of dopants in NASICON-type LiGe2(PO4)3 solid electrolyte: a first-principles st	Das A., Glass & Advanced Materials Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences; Physical Sciences	Physical Chemistry Chemical Physics	2023	1	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176779455&doi=10.1039%2fd3cp02165c&partnerID=40&md5=51be2ef11b35491dfa5c9d36bc11c830
Analysis of Kobayashi benchmark with indigenous Monte Carlo neutron transport code PATMOC	Mallick A.K., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Insti	Physical Sciences	Physics Open	2023	0	2666-0326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167822047&doi=10.1016%2fj.physo.2023.100179&partnerID=40&md5=46dbc166993af45c8763de51c31b3c47
Size-segregated aerosol measurements during Diwali festival in an elevated background location	Buwaniwal A., Department of Physics, Maharaja Ranjit Singh Punjab Technical University, Punjab, Bathinda, 151001, India	Physical Sciences	Atmospheric Environment	2023	1	1352-2310	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171474030&doi=10.1016%2fj.atmosenv.2023.120078&partnerID=40&md5=9e461458824f0c07b0e0c135cb4283a4
Experimental and computational investigation on the charge storage performance of a novel Al2O3-reduced graphen	Ratha S., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Argul, Khordha, 752050, India; Sahoo S., S	Physical Sciences	Scientific Reports	2023	13	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151366225&doi=10.1038%2fs41598-022-23574-2&partnerID=40&md5=581d079b6c06d707e589079fb6e579fd
Tensorial stress-plastic strain fields in α - ω Zr mixture, transformation kinetics, and friction in diamond-anvil cell	Levitas V.I., Department of Aerospace Engineering, Iowa State University, Ames, 50011, IA, United States, Department of I	Physical Sciences	Nature Communications	2023	4	2041-1723	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172225686&doi=10.1038%2fs41467-023-41680-1&partnerID=40&md5=131b550d4c5d23eed754ece97a1440db
Radio-Sensitivity Assessment of In Vitro Tissues of Stevia (Stevia rebaudiana Bert.) for Induced Mutagenesis	Subrahmanyeswari T., Crop Research Unit (Genetics and Plant Breeding), Bidhan Chandra Krishi Viswavidyalaya, West Ben	Life Sciences	Sugar Tech	2023	2	0972-1525	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167716684&doi=10.1007%2fs12355-023-01305-9&partnerID=40&md5=91842b5d7294363f79bb2905d326cef3
Copper oxide modified biphasic titania for enhanced hydrogen production through photocatalytic water splitting	Nikhila M.P., Advanced Materials Research Centre, Department of Chemistry, University of Calicut, Kerala, 673635, India;	Chemical Sciences	Results in Engineering	2023	2	2590-1230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172697241&doi=10.1016%2fj.rineng.2023.101474&partnerID=40&md5=2306dd70b95f96aa101cfa57c6af0084
Deep neural network-based pulse shape discrimination of neutrons and γ -rays in organic scintillation detectors	Karmakar A., Nuclear Engineering and Technology Program, Indian Institute of Technology Kanpur, Kanpur, 208 016, India	Physical Sciences	Pramana - Journal of Physics	2023	1	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172280078&doi=10.1007%2fs12043-023-02641-x&partnerID=40&md5=3b68d7694ad11ce2622a81dd30999597
Saturated nucleate flow boiling over a horizontal single and multi-cylinder under cross-flow condition	Silvi L.D., Department of Chemical Engineering, Indian Institute of Technology, Roorkee, India; Chandraker D.K., Reactor E	Engineering Sciences	Applied Thermal Engineering	2023	0	1359-4311	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166976008&doi=10.1016%2fj.applthermaleng.2023.121252&partnerID=40&md5=428779feb395f9787e2a86174b553c44
Magnetism in A V3Sb5 (A=Cs, Rb, and K): Origin and Consequences for the Strongly Correlated Phases	Hasan M.N., Department of Chemical and Biological Sciences, S. N. Bose National Centre for Basic Sciences, Block JD, SaltL	Physical Sciences	Physical Review Letters	2023	1	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177068595&doi=10.1103%2fPhysRevLett.131.196702&partnerID=40&md5=8d3d3d82948d794bac7335dc9f0b6e2a
Multigroup form of simplified spherical harmonics (SPN) equations for neutron transport	Mishra A., Research Reactor Services Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi B	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173046362&doi=10.1016%2fj.nuclphysbps.2023.09.027&partnerID=40&md5=f558968a378ab0ca68a9e8e537366c15
Identifying Size-Segregated Particulate Matter (PM2.5, PM10 and SPM) Sources in an Industrial Town of India	Yadav A.K., Department of Mining Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221 0(	Chemical Sciences; Engineering Science	Aerosol Science and Engineering	2023	1	2510-375X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165899279&doi=10.1007%2fs41810-023-00191-8&partnerID=40&md5=8fdbf499ac0f755880d4464718cfbc60
Fine mesh pin-by-pin analysis of IPWR equilibrium core	Khan S.A., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Kannan U., Reactor P	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171678752&doi=10.1016%2fj.nuclphysbps.2023.09.004&partnerID=40&md5=c89feda6fae4c3680c9ecfa544abbf51
Non-linear dose response of DNA double strand breaks in response to chronic low dose radiation in individuals from h	Jain V., Low Level Radiation Research Section (LLRRS), Radiation Biology & Health Sciences Division (RB&HSD), Bio-Science	Life Sciences; Physical Sciences	Genes and Environment	2023	1	1880-7046	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158932343&doi=10.1186%2fs41021-023-00273-6&partnerID=40&md5=b51e1406ef1649917bc366920169c6e0
Coexistence of a spin-valley-coupled Dirac semimetal and robust quantum spin Hall state with significant Rashba spin-	Dhori B.R., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Gujarat, Vadodara, 39	Physical Sciences	Journal of Materials Chemistry C	2023	0	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181013865&doi=10.1039%2fd3tc03700b&partnerID=40&md5=50a2cb8ce33e7978d5ef12253c51a371
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Microstructure and magnetic properties of binary Mn54-Al46 alloy particulates obtained by severe plastic deformatio	Jo J., Department of Mechanical Engineering and Materials Science, University of Pittsburgh, PA, United States; Vishwana	Engineering Sciences	Journal of Magnetism and Magnetic Materials	2023	0	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170574321&doi=10.1016%2fj.jmmm.2023.171200&partnerID=40&md5=5f921ee055b7b7499541bf9117a1e1a8
Noncanonical Relationship between Heterogeneity and the Stokes-Einstein Breakdown in Deep Eutectic Solvents	Srinivasan H., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nationa	Physical Sciences	Journal of Physical Chemistry Letters	2023	1	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175878444&doi=10.1021%2facs.jpclett.3c02132&partnerID=40&md5=1a3f9fdbc7839f6979dba0f97d13b940
Confining charge-transfer complex in a metal-organic framework for photocatalytic CO2 reduction in water	Karmakar S., Molecular Materials Laboratory, Chemistry and Physics of Material Unit (CPMU), School of Advance Material	Chemical Sciences	Nature Communications	2023	32	2041-1723	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165881802&doi=10.1038%2fs41467-023-40117-z&partnerID=40&md5=39679371a56182b0258f963c00df6153
Measurement of the tt¯ charge asymmetry in events with highly Lorentz-boosted top quarks in pp collisions at s=13 T	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; Andı	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174014472&doi=10.1016%2fj.physletb.2023.137703&partnerID=40&md5=7b365557108a3a533031b263a7f88980
Smart Magnetic Nanocarriers for Codelivery of Nitric Oxide and Doxorubicin for Enhanced Apoptosis in Cancer Cells	Dutta B., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha National In	Chemical Sciences	ACS Omega	2023	3	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179157215&doi=10.1021%2facsomega.3c03734&partnerID=40&md5=6a5ec3d2bfa445604047c5a0e5472dec
Exploring the perioperative infection control practices & incidence of surgical site infections in rural India	Nayan A., Seth GS Medical College and KEM Hospital, Mumbai, India; Sarang B., Department of Surgery, Terna Medical Co	Medical and Health Sciences	Antimicrobial Resistance and Infection Control	2023	2	2047-2994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164204046&doi=10.1186%2fs13756-023-01258-4&partnerID=40&md5=17bbc6945ed8e05020e93bc0c600790a
Insulator-to-metal-like transition in thin films of a biological metal-organic framework	Sindhu P., Department of Chemistry, Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pune, 41	Physical Sciences	Nature Communications	2023	4	2041-1723	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159783222&doi=10.1038%2fs41467-023-38434-4&partnerID=40&md5=59bd1f70de2e968d313ba1464a9d88c9
Dopant-activated magnetism and local structure properties of cubic shape Co, Mn:In2O3	Dhamodaran M., Materials Science Programme, Indian Institute of Technology, Uttar Pradesh, Kanpur, 208016, India; Yad	Physical Sciences	Materials Science in Semiconductor Processing	2023	2	1369-8001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169789621&doi=10.1016%2fj.mssp.2023.107818&partnerID=40&md5=23782c76ae8ec7e382fee99688b91d8f
Structure and dynamics of the Li+ ion in water, methanol and acetonitrile solvents: ab initio molecular dynamics simu	Rana R., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India; Ali S.M., Homi Bhabha National Institut	Chemical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176804210&doi=10.1039%2fd3cp04403c&partnerID=40&md5=dbdae023cb83791ac05e3da1d8f667e9
Tough, flexible and oil-resistant film from sonicated guar gum and cellulose nanofibers for food packaging	Palanichamy P., Food Process Engineering Laboratory, Department of Chemical Engineering, A. C. Tech Campus, Anna Uni	Life Sciences	Food Packaging and Shelf Life	2023	3	2214-2894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171770419&doi=10.1016%2fj.fpsl.2023.101189&partnerID=40&md5=daef1a4a3ade2f81a63f4c1d30f9059c
Neutronic and burn up analysis of VVER 1000 benchmark using EXCEL and TRIHEX-FA code system	Srivastava A., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Karthik	Engineering Sciences; Physical Sciences	Nuclear Engineering and Design	2023	0	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172861358&doi=10.1016%2fj.nucengdes.2023.112601&partnerID=40&md5=074ab9f6b0c9b52f5500efd0f4b2de52
What is this image? 2023 Image 3 results: Cardiac tuberculosis presenting as cardiac mass: role of 18F-FDG PET/CT in	Loharkar S., Radiation Medicine Centre, Bhabha Atomic Research Centre (BARC), Tata Memorial Hospital Annexe, Jerbai W	Medical and Health Sciences	Journal of Nuclear Cardiology	2023	0	1071-3581	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173069039&doi=10.1007%2fs12350-023-03381-6&partnerID=40&md5=947d61744d4b3300139beed23c1b4b2d
Microdosimetry-based investigation of biological effectiveness of 252Cf brachytherapy source: TOPAS Monte Carlo st	Chattaraj A., Radiological Physics and Advisory Division, Health, Safety and Environment Group, Bhabha Atomic Research (	Physical Sciences	Physics in Medicine and Biology	2023	0	0031-9155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176503116&doi=10.1088%2f1361-6560%2fad00a4&partnerID=40&md5=c09e01137414ae07d25bd78a245ae69b
An augmented QCD phase portrait: Mapping quark-hadron deconfinement for hot, dense, rotating matter under mag	Mukherjee G., Nuclear Physics Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha National I	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	0	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173286869&doi=10.1016%2fj.physletb.2023.138228&partnerID=40&md5=f09ae4f4d2e19a1b3b0e4a4ad495fa11
Understanding the self-pinning driven jamming behavior of colloids in drying droplets	Mehta S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2023	1	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168807758&doi=10.1016%2fj.colsurfa.2023.132284&partnerID=40&md5=9039af7838509ed88a8a162fb4c1b064
Cucurbit[7/8]uril assisted modulations in the photophysical properties of 4 ′,6-diamidino-2-phenylindole dye	Sayed M., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha N	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	1	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170212797&doi=10.1016%2fj.jphotochem.2023.115088&partnerID=40&md5=1d2d6281202906fc0239b97b4410083c
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Neutronics study of chloride fuel salts for experimental design of small Molten Salt Reactor	Dwivedi D.K., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Srivastava A.K., Re	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169832620&doi=10.1016%2fj.nuclphysbps.2023.08.009&partnerID=40&md5=1af96742982ae489f34a4e8934063402
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Comprehensive in situ and ex situ β-glucosidase-assisted assessment reveals Indian mangoes as reservoirs of glycosidi	Godse R., Symbiosis School of Biological Sciences, Symbiosis International (Deemed University), Pune, 412115, India; Bawa	Life Sciences	Food Research International	2023	1	0963-9969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167836255&doi=10.1016%2fj.foodres.2023.113355&partnerID=40&md5=03af9162e1f6f1d10c1621bbaddf4f9b
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Effect of curvature on bilayer thickness of liposome suspensions in water	Pal A., Department of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai, 400076, India; Khak	Physical Sciences	Physica Scripta	2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182029551&doi=10.1088%2f1402-4896%2facfdd6&partnerID=40&md5=082b2d7af9a2f8c1b3237b3059f163c8
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Quest for understanding neutron emission in nuclear fission: The case of Po 210	Dhuri S., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Physical Sciences	Physical Review C	2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179072542&doi=10.1103%2fPhysRevC.108.054609&partnerID=40&md5=08882a6d5f5f8290213fc26e28f9efab
Reversion of strain induced martensite to achieve high strength and ductility in AISI 304 L	Sunil S., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Division of Engineering	Engineering Sciences	Materials Characterization	2023	2	1044-5803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172889209&doi=10.1016%2fj.matchar.2023.113353&partnerID=40&md5=bc64db8615eb7c5f0a9e19d12dd3a71b
Analysis of dynamic responses of circulating fuel reactors using in-house 3D space-time kinetics code ARCH	Singh I., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168496190&doi=10.1016%2fj.nuclphysbps.2023.07.017&partnerID=40&md5=31662a0a3a455257b2ac3e5c2eb771c4
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Diagnostic potential of serum HSP90 beta for HNSCC and its therapeutic prognosis after local hyperthermia therapy	Shetake N.G., Radiation Biology & Health Sciences Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha	Life Sciences	PLoS ONE	2023	1	1932-6203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176467127&doi=10.1371%2fjournal.pone.0281919&partnerID=40&md5=f8e10c105844717885e301718dd01fd5
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Exciton many-body interactions and charge transfer in CsPbBr3 /graphene derivatives	Maurya N.C., Department of Physics, Indian Institute of Science Education and Research Bhopal, Bhopal, 462066, India; Ka	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177615060&doi=10.1103%2fPhysRevB.108.155417&partnerID=40&md5=a0f8754a60ff17698b62a8f3533cdeee
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Hydrochemical evolution of groundwater in northwestern part of the Indo-Gangetic Basin, India: A geochemical and is	Prakash Rai S., Department of Geology, Institute of Science, Banaras Hindu University, Varanasi, 221005, India; Venyo Akp	Engineering Sciences	Geoscience Frontiers	2023	3	1674-9871	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169935081&doi=10.1016%2fj.gsf.2023.101676&partnerID=40&md5=8f62e0fb5200cc26d8038ad8e7002104
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ZnGa2−xAlxO4 (x = 0 ≤ 2) spinel for persistent light emission and HER/OER bi-functional catalysis	Parayil R.T., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	RSC Advances	2023	8	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175354697&doi=10.1039%2fd3ra05017c&partnerID=40&md5=848fc9beca76c95ba45096945867def2
Phosphorization Engineering on a MOF-Derived Metal Phosphide Heterostructure (Cu/Cu3P@NC) as an Electrode for	Hussain N., Department of Chemistry, Indian Institute of Technology Indore, Simrol, Khandwa Road, Indore, 453552, India	Chemical Sciences	Inorganic Chemistry	2023	9	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175661052&doi=10.1021%2facs.inorgchem.3c01440&partnerID=40&md5=2be5769b377120d2bf2f66ff548bb983
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Heat transfer characteristics and design aspects of thermolysis reactor in copper-chlorine thermochemical water split	Thomas D., Chemical Engineering Group, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Engineering Sciences	International Journal of Hydrogen Energy	2023	3	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161561000&doi=10.1016%2fj.ijhydene.2023.05.243&partnerID=40&md5=00bf8a4988affcc54c14cc9c28750bac
Al3+-Responsive Ratiometric Fluorescent Sensor for Creatinine Detection: Thioflavin-T and Sulfated-β-Cyclodextrin Sy	Bais S., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Singh P.K., Radiati	Chemical Sciences	ACS Applied Bio Materials	2023	3	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174750908&doi=10.1021%2facsabm.3c00349&partnerID=40&md5=26f8fa18ece0e6d29b3d7d7061e40b5c
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Reactor physics of research reactors at BARC: Aspects and scopes	Singh T., Research Reactor Services Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bha	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171323198&doi=10.1016%2fj.nuclphysbps.2023.09.002&partnerID=40&md5=2c1d439cb13b0c19af02e1767c55d4ca
Late-stage Ligand Modification After Coordination Strengthens Stereoselectively Self-Assembled Hemiaminal Ether Co	Raje S., Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur, 208016, India; Koner A., Department of	Chemical Sciences	Chemistry - An Asian Journal	2023	0	1861-4728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171150962&doi=10.1002%2fasia.202300706&partnerID=40&md5=a826d35440099f4a5fc5d832363e682d
WS2 nanosheets decorated multi-layered MXene based chemiresistive sensor for efficient detection and discriminatio	Sardana S., Department of Physics, Guru Nanak Dev University, Amritsar, 143005, India; Debnath A.K., Technical Physics D	Physical Sciences	Sensors and Actuators B: Chemical	2023	22	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166587359&doi=10.1016%2fj.snb.2023.134352&partnerID=40&md5=935234f7e845ad85982798f55d10d7af
SIRT1 inhibits mitochondrial hyperfusion associated mito-bulb formation to sensitize oral cancer cells for apoptosis in	Patra S., Cancer and Cell Death Laboratory, Department of Life Science, National Institute of Technology, Odisha, Rourkela	Life Sciences	Cell Death and Disease	2023	3	2041-4889	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176279297&doi=10.1038%2fs41419-023-06232-x&partnerID=40&md5=d0ff61bbade433d7bc7dc42300aa162f
Understanding the excited state dynamics and redox behavior of highly luminescent and electrochemically active Eu(i	Patil S.M., Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nati	Chemical Sciences	Dalton Transactions	2023	2	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176783689&doi=10.1039%2fd3dt02764c&partnerID=40&md5=59c8ab797449e8af3d847f1225bec95d
Modelling of Tarapur BWR lattice and core to estimate the required number of SB-BE startup neutron sources	Rai R., Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, Mumbai, 400094, India; Singh I.,	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171804618&doi=10.1016%2fj.nuclphysbps.2023.08.005&partnerID=40&md5=c909605b8031a54645ce788268c2e366
Current Density Dependence of Transport Selectivity of Metal Ions in the Electrodriven Process across the Cation Exch	Mani A.M., Chemical Sciences Department, Homi Bhabha National Institute, Mumbai, 400094, India, Radiochemistry Divis	Chemical Sciences	Journal of Physical Chemistry B	2023	1	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174751428&doi=10.1021%2facs.jpcb.3c05051&partnerID=40&md5=844a30b276bab491dd9ace25af37f671
Benchmarking exercise of indigenous Monte Carlo neutron transport code PATMOC for hexagonal full core reactor ge	Mallick A.K., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Insti	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168322845&doi=10.1016%2fj.nuclphysbps.2023.07.016&partnerID=40&md5=22c81dc8c4271a26d72c223c3e435fdb
Long-range and local structure evolution of Y1.8Eu0.2Ge2 O7 under static high pressures	Kaiwart R., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085,	Chemical Sciences; Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179420805&doi=10.1103%2fPhysRevB.108.174108&partnerID=40&md5=6d714770a6434f982fc4a183ae29a0bc
Chloroplast genome sequence of Nothapodytes nimmoniana (Icacinaceae), a vulnerable reservoir of camptothecin fro	Darshetkar A.M., Department of Botany, Savitribai Phule Pune University, Pune, 411007, India; Godbole R.C., Department	Life Sciences	Gene	2023	0	0378-1119	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166777077&doi=10.1016%2fj.gene.2023.147674&partnerID=40&md5=eb98b1a80b9428b55ca020447cbb5d67
Exploring effects of strain on newly synthesised two-dimensional polyaramid for hydrogen storage using DFT	Nair H.T., Department of Physics, The Maharaja Sayajirao University of Baroda, Gujarat, 390002, India, Materials Science D	Physical Sciences	Surfaces and Interfaces	2023	4	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173278737&doi=10.1016%2fj.surfin.2023.103444&partnerID=40&md5=be2b94072e757eca17cf75e1690a4b93
Radiation processing of papad – A sustainable method to improve safety and shelf life	Bhoir S.A., Food Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Kanatt S.R., Foo	Life Sciences	Applied Radiation and Isotopes	2023	1	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170276083&doi=10.1016%2fj.apradiso.2023.111017&partnerID=40&md5=84dc9f715a3320493fef9c3cc7a5436e
Evaluation of integral parameters of BAPL and AERE benchmarks using v-TRAC code and ENDF/B VIII.0 library	Singh A., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Pal U., Reactor Physics	Engineering Sciences; Physical Sciences	Nuclear and Particle Physics Proceedings	2023	1	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168507737&doi=10.1016%2fj.nuclphysbps.2023.07.023&partnerID=40&md5=024e13bb95cddf90629d2021ddcef4d5
Emerging interfacial magnetization in isovalent manganite heterostructures driven by octahedral coupling	Kumar Y., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, UGC-DAE Consortium for	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180153718&doi=10.1103%2fPhysRevB.108.174410&partnerID=40&md5=46f6e1de70abe9caf7a0da3e8e0c020e
Tungsten-based polymer composite, a new lead-free material for efficient shielding of coupled neutron-gamma radiat	Das A., Research Reactor Services Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Physica Scripta	2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175294322&doi=10.1088%2f1402-4896%2facfa3e&partnerID=40&md5=934d957f93098cdc179723b571249963
Development of a new Monte-Carlo neutron transport code for radiation shielding	Das A., Research Reactor Services Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171391130&doi=10.1016%2fj.nuclphysbps.2023.09.001&partnerID=40&md5=a0a729aee819da9fc24cc437cbf0eece
Influence of vacancy defects on 2D BeN4 monolayer for NH3 adsorption: a density functional theory investigation	Lakshmy S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University,	Physical Sciences	Nanotechnology	2023	7	0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168408737&doi=10.1088%2f1361-6528%2facea28&partnerID=40&md5=fe694bf1a3e5fa7da741b12ec94dfd91
Incidence of needlestick injury among healthcare workers in western India	Naidu R.T., Department of Pathology, Bhabha Atomic Research Centre Hospital, Maharashtra, Mumbai, India; Toal P., Dep	Medical and Health Sciences	Indian Journal of Medical Research	2023	0	0971-5916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183331161&doi=10.4103%2fijmr.ijmr_892_23&partnerID=40&md5=f4347c805be27bfa8db7e2dfcf74cbce
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Probing site-selective doping and charge compensating defects in KMgF3: insights from a hybrid DFT study	Modak P., RSD, Atomic Energy Regulatory Board, Mumbai, 400, India, Homi Bhabha National Institute, Mumbai, 400, India	Chemical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176102161&doi=10.1039%2fd3cp03966h&partnerID=40&md5=33d628c8112bddf943d22fab9558a3a2
Design, synthesis and evaluation of 177Lu-labeled inverso and retro-inverso A9 peptide variants targeting HER2-overe	Kumar Sharma A., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National	Chemical Sciences; Life Sciences	Bioorganic Chemistry	2023	0	0045-2068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167775499&doi=10.1016%2fj.bioorg.2023.106761&partnerID=40&md5=4a733e713675a7d09887488e7307d0fa
Magnetoimpedance effect in NiFeP thin films deposited on Cu microwire through electrodeposition	Tandon P., Natural Sciences, Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, 482005, Ind	Engineering Sciences	Materials Chemistry and Physics	2023	1	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168011774&doi=10.1016%2fj.matchemphys.2023.128304&partnerID=40&md5=77656abeee43c52ba85cf24ae6f9c871
High pressure studies of MgCu2O3 compound	Chandra S., UGC-DAE Consortium for Scientific Research Kalpakkam Node via Kokilamedu Gate, Kalpakkam, Tamil Nadu, 6	Physical Sciences	Journal of Solid State Chemistry	2023	2	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166918525&doi=10.1016%2fj.jssc.2023.124249&partnerID=40&md5=f68b98bf3994f31d05c5204529d3419f
Understanding the charge transfer dynamics of the Cu2WS4-CNT-FeOOH ternary composite for photo-electrochemica	Dagar P., Institute of Nano Science and Technology, Sector-81, Knowledge City, SAS Nagar, Punjab-140306, India; Ghorai N	Chemical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176805304&doi=10.1039%2fd3cp03498d&partnerID=40&md5=60c98d74226312ab3c92bb8da5d3f609
Experimental strategy for acid-free plutonium recovery from assorted matrices: Non-aqueous leaching followed by se	Kumar S.S., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Homi Bhabha Na	Chemical Sciences	Korean Journal of Chemical Engineering	2023	1	0256-1115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160851722&doi=10.1007%2fs11814-023-1482-3&partnerID=40&md5=fca1caf304deb682e7e4a01091c26433
Defect induced tunable light emitting diodes of compositionally modulated zinc gallium germanium oxides	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences	Chemical Engineering Journal	2023	11	1385-8947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168816469&doi=10.1016%2fj.cej.2023.145595&partnerID=40&md5=64d9e47b40fb21ffe7551496f6e71e29
A liposomal radionanoformulation for targeted drug delivery and real time monitoring by radionuclide imaging for HE	Suman S.K., Radiopharmaceuticals Division, Bhabha Atomic Research Centre (BARC), Mumbai, India, Homi Bhabha Nationa	Life Sciences	Drug Development Research	2023	0	0272-4391	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168155370&doi=10.1002%2fddr.22106&partnerID=40&md5=b532ce987fbdc9ccc3207a95911c7bb2
A high-density, 129-channel time-to-digital converter in FPGA for trigger-less data acquisition systems	Hari Prasad K., Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Mumbai, 40009	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172893326&doi=10.1016%2fj.nima.2023.168657&partnerID=40&md5=97df32a918893b1084c3a3b23e5c817d
Enhancement of Hole Extraction in Carbon-Based Organic–Inorganic Hybrid Perovskite Solar Cells Using MAPbI3:NiO-I	Daniel R.I., Department of Physics, SSN Research Centre, Sri Sivasubramaniya Nadar College of Engineering, Tamil Nadu, K	Physical Sciences	Journal of Electronic Materials	2023	1	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168856282&doi=10.1007%2fs11664-023-10674-6&partnerID=40&md5=fb044ddbd784e1cec1bfd6a1e3aa6236
Capture of Volatile Iodine Gas and Identification of Adsorption Sites in the Pore Network of Unsubstituted Imidazole L	Nelliyil R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Ins	Chemical Sciences	ACS Applied Materials and Interfaces	2023	3	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175270669&doi=10.1021%2facsami.3c11858&partnerID=40&md5=b1aa23995f6e484b0462ff77be52d6fc
Tailoring Acid Free-Paper based Analytical Devices (Af-PADs) via radiation assisted modification of cellulose paper	Rawat S., Radiation Technology Development Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India	Chemical Sciences	Carbohydrate Polymers	2023	3	0144-8617	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163193549&doi=10.1016%2fj.carbpol.2023.121116&partnerID=40&md5=8b5c16ad7d1cbda9640c6e69cd8c377e
SiNPLs/CoPc hybrid heterostructures based photodetector with low dark current and enhanced sensitivity	Kumar A., Department of Physics, Chaman Lal Mahavidhyalaya, Haridwar, 247664, India; Karadan P., Surface Engineering	Physical Sciences	Materials Science in Semiconductor Processing	2023	0	1369-8001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160838509&doi=10.1016%2fj.mssp.2023.107602&partnerID=40&md5=35c2326a3233adc182582b0dc6cc6738
Hybrid DFM – Petri net approach for dynamic reliability analysis of smart transmitters	Garg V., Reactor Safety Division, Bhabha Atomic Research Centre, Trombay, Mumbai, India; Vinod G., Reactor Safety Divis	Engineering Sciences	Quality and Reliability Engineering International	2023	0	0748-8017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158102878&doi=10.1002%2fqre.3355&partnerID=40&md5=98ffd6804de7e7f3faaf519dc1a79de5
Transit time estimation of drying springs in Uttarakhand region using environmental tritium concentration	Chatterjee S., Isotope Hydology Section, Isotope and Radiation Application Division, Bhabha Atomic Research Centre, Tror	Chemical Sciences	Journal of Environmental Radioactivity	2023	0	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164220306&doi=10.1016%2fj.jenvrad.2023.107227&partnerID=40&md5=94478ce26dcdbf59d205f10182e9fec1
Field- and polarization-dependent quantum spin dynamics in the honeycomb magnet Na2Co2TeO6: Magnetic excitati	Pilch P., Department of Physics, TU Dortmund University, Dortmund, 44227, Germany; Peedu L., National Institute of Cher	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175015273&doi=10.1103%2fPhysRevB.108.L140406&partnerID=40&md5=6c4f8c14b0024895beb56b58075194b4
High temperature CO2 capture in lithium orthosilicate packed fluidized bed: Gamma ray densitometry based numeric	Dabhade P.A., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mandal D., Alkal	Engineering Sciences	Journal of the Taiwan Institute of Chemical Engineers	2023	2	1876-1070	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169779148&doi=10.1016%2fj.jtice.2023.105106&partnerID=40&md5=4e19d9022c0f6a15f2e73c37d44306d2
Endorsing Na+ storage mechanism in low tortuosity, high plateau capacity hard carbon towards development of high-	Bhawana K., Department of Energy Science and Engineering, Indian Institute of Technology, Bombay, Mumbai, 400076, In	Chemical Sciences	Carbon	2023	10	0008-6223	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165905852&doi=10.1016%2fj.carbon.2023.118319&partnerID=40&md5=521cac792882be6f49691b7ad472efeb
Temperature dependent polaronic contribution on conduction mechanism in ceria-based devices	Paul M., Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Baba National Institute, BARC T	Physical Sciences	Physica B: Condensed Matter	2023	2	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165006960&doi=10.1016%2fj.physb.2023.415098&partnerID=40&md5=5d3b1c21739247ef63d31ee534fb852a
Coal waste-derived synthesis of yellow oxidized graphene quantum dots with highly specific superoxide dismutase act	Das T., Department of Chemistry, National Institute of Technology Patna, Bihar, 800005, India; Das S., Department of Cher	Engineering Sciences	Nanoscale	2023	3	2040-3364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175805288&doi=10.1039%2fd3nr04259f&partnerID=40&md5=6c49bb63389657b9fd14008ba3d0c6c4
Highly water permeable 'reverse osmosis' polyamide membrane of folded nanoscale film morphology	Thummar U.G., Membrane Science and Separation Technology, Council of Scientific & Industrial Research-Central Salt & M	Physical Sciences	Journal of Water Process Engineering	2023	2	2214-7144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167448314&doi=10.1016%2fj.jwpe.2023.104110&partnerID=40&md5=c04febbe029c9476f09558cd5e888159
Development of a Simple Electroless Method for Depositing Metallic Pt-Pd Nanoparticles over Wire Gauge Support fo	Sanap K.K., Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, 431606, India, Chemistry Division, I	Chemical Sciences	Materials	2023	2	1996-1944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174011827&doi=10.3390%2fma16196541&partnerID=40&md5=a7799d9ad4dcf7dc2455eed2caefd579
Sensitivity of β4 values extracted from quasi elastic barrier distribution to the 2n transfer channel	Mohanto G., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Parihari A., Nuc	Physical Sciences	European Physical Journal A	2023	1	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174439323&doi=10.1140%2fepja%2fs10050-023-01143-z&partnerID=40&md5=ea7e41271dc8f4741a92f772d9913dc8
Collective enhancement of nuclear level density and its fade-out in Dy 161	Santhosh T., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Physical Sciences	Physical Review C	2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175469765&doi=10.1103%2fPhysRevC.108.044317&partnerID=40&md5=7f0c2755be32893bd1f80b22d872d5cf
Ternary flexible ZnO (NWs)/PPy-silver composites film for ppb-level ammonia detection	Benhouhou S., Laboratoire de chimie macromoléculaire, Ecole Militaire Polytechnique, BP 17 Bordj El Bahri, Alger, 16046,	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	0	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175014567&doi=10.1007%2fs10854-023-11417-3&partnerID=40&md5=f7f76a2cedc5ded758d37f9d8e1fb69a
Activation cross section for the (n,2n) and (n,p) reactions on 103Rh, 48Ti and 52Cr from reaction threshold up to 25 M	Singh R.K., Department of Physics, Faculty of Science, The M. S. University of Baroda, Vadodara, 390002, India; Singh N.L.,	Physical Sciences	Applied Radiation and Isotopes	2023	0	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167573478&doi=10.1016%2fj.apradiso.2023.110949&partnerID=40&md5=f56e37d29ec550636dce59b0411f7f3f
Evaluation of a Phosphinate Functionalized Ionic Liquid for the Separation of Nb and Ta from Nitric Acid Feed Conditio	Goyal P., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Sengupta A., Radiochemistry	Chemical Sciences	ACS Omega	2023	1	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175034911&doi=10.1021%2facsomega.3c05487&partnerID=40&md5=b7db9aecccb7efb4007c9d5ecfa3d23f
Radiolabelled folate micellar carriers as proposed diagnostic aid for CNS tumors by nasal route	Upadhaya P., Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Maharashtra, M	Chemical Sciences	Drug Delivery and Translational Research	2023	2	2190-393X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153040986&doi=10.1007%2fs13346-023-01341-8&partnerID=40&md5=986fa904d7552352583089c4519e2e98
Instrumental neutron activation analysis by utilizing pneumatic carrier facility at Dhruva reactor for estimation of min	George R.S., Institute of Nuclear Science and Technology, Amity University, Noida, 201313, India; Datta A., Institute of Nuc	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	0	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170260139&doi=10.1007%2fs10967-023-09131-9&partnerID=40&md5=3509f75b7cd8a8fd7b38940c537b8a59
Initial core loading pattern optimization studies using estimation of distribution algorithm for VVER type cores	Thakur A., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Srivastava A., Reacto	Physical Sciences	Nuclear Engineering and Design	2023	0	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165189801&doi=10.1016%2fj.nucengdes.2023.112458&partnerID=40&md5=1463970f1876d5c1a8f634074e16fc2c
Pilot-scale aerobic granular sludge reactors with granular activated carbon for effective nitrogen and phosphorus rem	Nancharaiah Y.V., Biofouling and Biofilm Processes Section, WSCD, Bhabha Atomic Research Centre, Tamil Nadu, Kalpakka	Life Sciences	Science of the Total Environment	2023	2	0048-9697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163172388&doi=10.1016%2fj.scitotenv.2023.164822&partnerID=40&md5=ae7ec410d932a744fd69671fe31359be
The role of anagostic interactions in the Pd−Superoxo formation in aerobic Pd catalysed C–C coupling reaction: What	Rasu A., Theoretical and Computational Chemistry Laboratory, School of Chemistry, Bharathidasan University, Tiruchirapp	Chemical Sciences	Computational and Theoretical Chemistry	2023	0	2210-271X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168537348&doi=10.1016%2fj.comptc.2023.114284&partnerID=40&md5=ccd9f942cd4a8873df93955ef55bb99a
Exploratory analysis of 64CuCl2 PET-CT imaging in carcinoma prostate and its comparison with 68Ga-PSMA-11 and 18	Nazar A.K., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Centre Annexe, India, Homi Bhabl	Chemical Sciences; Engineering Sciences	Nuclear Medicine Communications	2023	2	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171202979&doi=10.1097%2fMNM.0000000000001744&partnerID=40&md5=9b45134bfb0c2e4f0f8ba8c730c78a12
Oxygen vacancy induced luminescence in Y2Zr2O7 and its removal on Eu3+ doping leading to enhanced quantum effic	Parayil R.T., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences; Physical Sciences	Materials Today Chemistry	2023	3	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173573595&doi=10.1016%2fj.mtchem.2023.101744&partnerID=40&md5=691b8c3dad3bc4f281f92450b5456232
Polyethyleneimine-assisted formation of Ag-SiO2 hybrid microspheres for H2O2 sensing and SERS applications	Mehta S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Chemical Sciences; Physical Sciences	RSC Advances	2023	1	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175031819&doi=10.1039%2fd3ra04095j&partnerID=40&md5=3c77b12caf533324128e772f66bc3b9b
Synthesis of amine functionalized SiO2 microspheres loaded polymeric hydrogel and its application for simultaneous	Singh S., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Koley S., Radiat	Chemical Sciences	Materials Today Chemistry	2023	5	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171338818&doi=10.1016%2fj.mtchem.2023.101720&partnerID=40&md5=c70e6d61a71fec789459faf2a7d235d2

Dual Single-Atomic Co-Mn Sites in Metal-Organic-Framework-Derived N-Doped Nanoporous Carbon for Electrochemi	Dey G., Department of Sciences & Humanities, Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Uttar Pradesh	Physical Sciences	ACS Nano	2023	12	1936-0851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173579055&doi=10.1021%2facsnano.3c05379&partnerID=40&md5=b35c5a325575e2be8b7e119a9cd1f077
Structural and characterization assessment of clay ceramic water filter materials from locations near the Thar Desert i	Duhan S., Department of Mechanical Engineering, Indian Institute of Technology, Rajasthan, Jodhpur, India; Gupta S., Dep	Physical Sciences	Desalination and Water Treatment	2023	1	1944-3994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182847450&doi=10.5004%2fdwt.2023.29879&partnerID=40&md5=3c79503f89db7a5db0b4668c8c0e7bab
Dehydration induced selective ion trapping by topology constrained atomically thin graphene-crown membranes	Sahu P., Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Mumbai, 40094, India;	Chemical Sciences	Molecular Systems Design and Engineering	2023	0	2058-9689	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175263930&doi=10.1039%2fd3me00118k&partnerID=40&md5=7305aad85fa12f4ee64d043cac2c280a
Achieving perfect white light, color tunability and X-ray scintillation in nanocrystalline La2Hf2O7:Eu3+,Bi3+ by photon	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences	Materials Today Chemistry	2023	4	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169057402&doi=10.1016%2fj.mtchem.2023.101705&partnerID=40&md5=2c20c2402786408aa8cfd53371934392
Tunable upconversion in ZnAl2 −xGaxO4:Er,Yb phosphors by modulating the Al/Ga ratio and application in optical the	Parayil R.T., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Radiochemistry Division, Bhabha At	Chemical Sciences	New Journal of Chemistry	2023	8	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175464264&doi=10.1039%2fd3nj03690a&partnerID=40&md5=d92b5fcbd38d652824156a088a25896c
Linear and Nonlinear Stability Analysis of Molten Salt Natural Circulation Loop	Srivastava A.K., Homi Bhabha National Institute, Mumbai, 400094, India; Saikrishna N., Advanced Heavy Water Reactor Di	Engineering Sciences; Life Sciences	Journal of Nuclear Engineering and Radiation Science	2023	0	2332-8983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174388643&doi=10.1115%2f1.4063040&partnerID=40&md5=ece128fac0caf28e58f2a22eaea5947a
Precise determination of quadrupole and hexadecapole deformation parameters of the sd-shell nucleus, 28Si	Gupta Y.K., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172469629&doi=10.1016%2fj.physletb.2023.138120&partnerID=40&md5=b3b2201373ed15ec6b7ceeecc0f927d6
Yttrium decorated fullerene C30 as potential hydrogen storage material: Perspectives from DFT simulations	Paul D., Department of Physics, Assam University, Silchar, 788011, India; Mane P., Seismology Division, Bhabha Atomic Re	Physical Sciences	Theoretical Chemistry Accounts	2023	4	1432-881X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171388208&doi=10.1007%2fs00214-023-03041-5&partnerID=40&md5=5eb8e0c0defe8408e6359653bd2162f5
Granular stability, nitrogen and phosphorus removal pathways of aerobic granular sludge treating real municipal wast	Nancharaiah Y.V., Biofouling and Biofilm Processes Section, WSCD, Chemistry Group, Bhabha Atomic Research Centre, Kal	Life Sciences	Journal of Environmental Chemical Engineering	2023	8	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169005850&doi=10.1016%2fj.jece.2023.110769&partnerID=40&md5=f802379064b7f8221892a1e68facdeca
Studies on Reaction Products, Byproducts, and Intermediates in Thermal Steps of the Cu-Cl Thermochemical Cycle for	Singh R.V., Chemistry Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences; Physical Sciences	Energy and Fuels	2023	0	0887-0624	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174260285&doi=10.1021%2facs.energyfuels.3c02035&partnerID=40&md5=745c9918ef80be80f6be9b4583472308
Off axis integrated cavity output spectroscopy of deuterated water isotopologues in 7178–7196 cm−1 spectral region	Gupta A., Atomic and Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Udupa D.V., At	Physical Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2023	0	1386-1425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159681149&doi=10.1016%2fj.saa.2023.122772&partnerID=40&md5=ac584bc563e3699843105e68cdb3ba4a
True coincidence summing correction for a BEGe detector in close geometry measurements	Gupta A., Saha Institute of Nuclear Physics, 1/AF, Bidhan Nagar, Kolkata, 700064, India, Homi Bhabha National Institute, A	Physical Sciences	Applied Radiation and Isotopes	2023	0	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166923174&doi=10.1016%2fj.apradiso.2023.110966&partnerID=40&md5=82af8f37c0e8b96002271e8a0fead44f
Ultra-bright and thermally stable deep red emitting doped yttrium zirconate nanoparticles for tunable white LEDs and	Parayil R.T., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Inst	Chemical Sciences	Materials Advances	2023	3	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175235807&doi=10.1039%2fd3ma00442b&partnerID=40&md5=8230e5b5f537b3f35bd2cde49aeed24d
Topology driven and soft phonon mode enabled Na-ion diffusion in quaternary chalcogenides, Na3ZnGaX4 (X = S, and	Kumar S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Physical Sciences	Journal of Materials Chemistry A	2023	2	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175045798&doi=10.1039%2fd3ta04479c&partnerID=40&md5=d17630b018f442ffeb0e61c2f7300d3f
Design and development of half impulse radiating antenna based ultra wide band system	Singh S.K., Homi Bhabha National Institute, Mumbai, 400094, India, Accelerator & Pulse Power Division, Bhabha Atomic R	Engineering Sciences; Physical Sciences	Frequenz	2023	0	0016-1136	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166251540&doi=10.1515%2ffreq-2022-0286&partnerID=40&md5=ea04e475fa1d44456fa76c77bfcf3cf5
Effective gene silencing using type I–E CRISPR system in the multiploid, radiation-resistant bacterium Deinococcus rad	Misra C.S., Applied Genomics Section, Bio-Science Group, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India;	Life Sciences	Microbiology Spectrum	2023	1	2165-0497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175539247&doi=10.1128%2fspectrum.05204-22&partnerID=40&md5=a16bb47713897ae5c6a0d65e369d5e9b
Design, synthesis and development of a dual inhibitor of Topoisomerase 1 and poly (ADP-ribose) polymerase 1 for effi	Guha Majumdar A., Bio-Organic Division, India, Homi Bhabha National Institute, Maharashtra, Mumbai, 400094, India; Sh	Life Sciences	European Journal of Medicinal Chemistry	2023	2	0223-5234	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163891384&doi=10.1016%2fj.ejmech.2023.115598&partnerID=40&md5=39e6ac0b09bd6ddf11f5d707256c7e80
Experimental investigation of jet pump performance used for high flow amplification in nuclear applications	Kotak V., Research Reactor Design & Projects Division, Bhabha Atomic Research Centre (BARC), Mumbai, India, Homi Bhab	Engineering Sciences	Nuclear Engineering and Technology	2023	1	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165089097&doi=10.1016%2fj.net.2023.06.017&partnerID=40&md5=b116930f3ce6c4eb5c786893442fc192
Eu3+ as a spectroscopic probe to understand local site-luminescence correlation in novel Y2TiO5:Eu3+ phosphor	Jafar M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, An	Chemical Sciences	Journal of Molecular Structure	2023	3	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160624495&doi=10.1016%2fj.molstruc.2023.135795&partnerID=40&md5=f3cf9f8041a4678e361ecff3a8cb0486
Diffusion of radioisotopes in Fe-montmorillonite relevant to geological disposal of HLW	Chikkamath S., Department of Chemistry, Rani Channamma University, Karnataka, Belagavi, 591156, India, P C Jabin Scien	Chemical Sciences	Physics and Chemistry of the Earth	2023	2	1474-7065	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161637824&doi=10.1016%2fj.pce.2023.103429&partnerID=40&md5=6e8f5f028c5a839a54ed435fed0aff57
Remarkably enhanced upconversion luminescence in Na+ codoped spinel nanoparticles for photothermal cancer ther	Balhara A., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Radiochemistry Division, Bhabha Ato	Chemical Sciences; Life Sciences	Materials Advances	2023	3	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175481153&doi=10.1039%2fd3ma00376k&partnerID=40&md5=877d9ea5e25a3243eff84e445ee16d0f
Characterization of indigenous OSL phosphors LiCaAlF6:Eu,Y and α-Al2O3:C for space dosimetry	Singh A.K., Radiological Physics and Advisory Division, India; Rawat N.S., Radiological Physics and Advisory Division, India;	Physical Sciences	Radiation Physics and Chemistry	2023	1	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160781719&doi=10.1016%2fj.radphyschem.2023.111041&partnerID=40&md5=8703eaf7cb9c2f767cd8f85358fbeb80
Synthesis of Galactoacrylamide and Study of Stimuli-Responsive Fluorescent Hierarchical Self-Assembly-Promoted Spe	Ajish J.K., Radiation and Photochemistry Division, India; Ajish Kumar K.S., Bio-Organic Division, Bhabha Atomic Research C	Chemical Sciences	ChemistrySelect	2023	1	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173934194&doi=10.1002%2fslct.202301497&partnerID=40&md5=4686a1a0099df4080eae02a661fa1ffb
Characterization of instrumental PSF in neutron imaging experiments using logarithmic power spectral plot method	Kashyap Y., Neutron and Synchrotron Radiation Physics Section, Technical Physics Division, Bhabha Atomic Research Cent	Physical Sciences	NDT and E International	2023	0	0963-8695	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166330162&doi=10.1016%2fj.ndteint.2023.102922&partnerID=40&md5=5420bdaf53fe41bfceed086a1e588a31
Microstructural changes and enhanced biodiesel compatibility of radiation-processed Nitrile Butadiene Rubber in mix	Kyaw S.S., Department of Atomic Energy, Nay Pyi Taw, Myanmar; Chaudhari C.V., Radiation Technology Development Divi	Chemical Sciences	Journal of Polymer Research	2023	1	1022-9760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173613062&doi=10.1007%2fs10965-023-03773-9&partnerID=40&md5=42524fd4948f325ceba002d9f05bca8c
Techno-economic and 4E comparisons of various thermodynamic power cycles for low-medium grade heat recovery	Srivastava M., Department of Mechanical Engineering, Indian Institute of Technology (B.H.U.), UP, Varanasi, 221005, India	Engineering Sciences	Process Safety and Environmental Protection	2023	4	0957-5820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172442623&doi=10.1016%2fj.psep.2023.08.041&partnerID=40&md5=f95921a174e29139734371c8e01559f4
Investigating the characteristics of 11 kHz excitation of EFCAP and its selective effect on breast cancer cell death	Misra V.C., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India, Homi Bhal	Life Sciences; Physical Sciences	Plasma Processes and Polymers	2023	0	1612-8850	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164493967&doi=10.1002%2fppap.202300081&partnerID=40&md5=17e57dc9a681510cf830bcfbe4498e11
Realizing an Optical Micro-Cavity in a CuCo2O4-W-CuCo2O4 Thin Film Stack for Spectrally Selective Solar Absorbers	Silpa S., School of Physics, Indian Institute of Science Education and Research, Thiruvananthapuram, 695551, India; Sriniva	Physical Sciences	Advanced Optical Materials	2023	2	2195-1071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165565345&doi=10.1002%2fadom.202300567&partnerID=40&md5=34cef69227e29b5b51a5d82f8ee33dcb
Picosecond laser-induced hybrid groove structures on Ti-6Al-4V bio-alloy to accelerate osseointegration	Kedia S., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Inst	Life Sciences; Physical Sciences	Journal of Biomedical Materials Research - Part B Applied Biomaterials	2023	0	1552-4973	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161367703&doi=10.1002%2fjbm.b.35284&partnerID=40&md5=df3a39d02695a4af25c4ca87d0bbf465
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Effect of Postdeposition Heat Treatment on the Nanoplasmonic Behavior of Glancing Angle-Deposited Silver Nanostru	De R., Photonics and Nanotechnology Section, Atomic and Molecular Physics Division, Bhabha Atomic Research Centre Fa	Physical Sciences	Physica Status Solidi (A) Applications and Materials Science	2023	0	1862-6300	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169891622&doi=10.1002%2fpssa.202300427&partnerID=40&md5=1afdca9b3cfd75da51e353536ee7bc73
C24 Fullerene and its derivatives as a viable glucose sensor: DFT and TD-DFT studies	Tukadiya N.A., Department of Physics, The M. S. University of Baroda, Gujarat, Vadodara, 390002, India; Jana S.K., Departi	Physical Sciences	Surfaces and Interfaces	2023	12	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166934955&doi=10.1016%2fj.surfin.2023.103220&partnerID=40&md5=a0db9d750c03381f84f0f05435edcf3f
Conformational effects in the vibrational and electronic spectra of propionaldehyde: Experimental and theoretical stu	Sharma N., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Hom	Physical Sciences	Journal of Chemical Physics	2023	0	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174800203&doi=10.1063%2f5.0169630&partnerID=40&md5=07636b89eafd2527db0ba69eda0c012a
Probabilistic Assessment of Groundwater Quality and Fluoride Exposure Risk for North-Eastern Rajasthan, India	Dauji S., Nuclear Recycle Board, Bhabha Atomic Research Centre, Mumbai, 400094, India, Homi Bhabha National Institute	Chemical Sciences	Journal of Hazardous, Toxic, and Radioactive Waste	2023	0	2153-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166927998&doi=10.1061%2fJHTRBP.HZENG-1254&partnerID=40&md5=761c938bbd9514eca6775e577870fa4c
Deciphering structural changes in LiNixMnyCozO2 cathodes of Li ion batteries during cycling: Experimental and theore	Abharana N., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha	Chemical Sciences; Physical Sciences	Solid State Ionics	2023	2	0167-2738	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160433771&doi=10.1016%2fj.ssi.2023.116270&partnerID=40&md5=721c715f9e9b0b6db065305d02e3ab37
Design and Synthesis of BODIPY-Hetero[5]helicenes as Heavy-Atom-Free Triplet Photosensitizers for Photodynamic Th	Koli M., Bio-Organic Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, A	Chemical Sciences; Life Sciences	Chemistry - A European Journal	2023	2	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174215526&doi=10.1002%2fchem.202301605&partnerID=40&md5=c152e0915b8f279fadb766aed3e5a0c4
Selective removal of uranium from aqueous streams using synergistic adsorbents	Das A., Materials Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400	Chemical Sciences	Inorganic Chemistry Communications	2023	2	1387-7003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171687724&doi=10.1016%2fj.inoche.2023.111284&partnerID=40&md5=8ad00f4709de89523bc6178f943879e0
Defect-engineered MnO2 nanoparticles by low-energy ion beam irradiation for enhanced electrochemical energy stor	Maharana B., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Odisha, Jatani, 752050, India; Rajbhar	Physical Sciences	Electrochimica Acta	2023	3	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166644990&doi=10.1016%2fj.electacta.2023.142868&partnerID=40&md5=ce4aea9f5f7c80c2368ffae096eae045
CellUSorb: A high-performance, radiation functionalized cellulose based adsorbent for Uranium (VI) remediation in gr	Misra N., Radiation Technology Development Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India	Chemical Sciences	Separation and Purification Technology	2023	6	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163114054&doi=10.1016%2fj.seppur.2023.124215&partnerID=40&md5=acd9fa4bfc62752769864711de9b448f
Ta interfaced CoFeB: Role of CoFeB thickness and thermal annealing in modification of structural and magnetic prope	Vardhan H., Amity Center for Spintronic Materials, Amity University UP, Sector-125, Noida, 201313, India, Amity Institute	Physical Sciences	Surfaces and Interfaces	2023	1	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165520697&doi=10.1016%2fj.surfin.2023.103156&partnerID=40&md5=432604cde06757463c92ea8099550396
Transcriptional Regulation of Small Heat Shock Protein 17 (sHSP-17) by Triticum aestivum HSFA2h Transcription Facto	Kumar R.R., Division of Biochemistry, Indian Agricultural Research Institute, New Delhi, 110012, India; Dubey K., Division o	Life Sciences	Plants	2023	0	2223-7747	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175428325&doi=10.3390%2fplants12203598&partnerID=40&md5=0feba47408e59eb94c9c6e8857dd3c7e
Effect of picosecond-laser induced microstructuring of Ti6Al4V bio-alloy on its tribological and corrosion properties	Kedia S., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Nilaya J.P., Hom	Physical Sciences	Applied Physics A: Materials Science and Processing	2023	0	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171337942&doi=10.1007%2fs00339-023-06994-3&partnerID=40&md5=320706e2f8489b01c58464f9527448c1
Evaluation of Pendrin Expression Using Nuclear Imaging Modalities and Immunohistochemistry in Animal Thyroid Can	Gholve C.S., Radiation Medicine Centre, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India; Shete Y., Radiation	Life Sciences	Indian Journal of Nuclear Medicine	2023	0	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182668147&doi=10.4103%2fijnm.ijnm_46_23&partnerID=40&md5=6be3e63433fc27d23b2c0d18e1e3a728
Controlled synthesis of photoresponsive bismuthinite (Bi2S3) nanostructures mediated through a new 1D bismuth-py	Kulkarni A.Y., Department of Chemistry, K. J. Somaiya College of Science and Commerce, Vidyavihar, Mumbai, 400077, Ind	Chemical Sciences	Dalton Transactions	2023	1	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175441872&doi=10.1039%2fd3dt02143b&partnerID=40&md5=559315de873cf58ce355364152ea2147
Transverse single-spin asymmetry of charged hadrons at forward and backward rapidity in polarized p+p, p+Al, and p+	Abdulameer N.J., Czech Technical University, Zikova 4, Prague 6, 166 36, Czech Republic; Acharya U., Florida State Univers	Physical Sciences	Physical Review D	2023	1	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181028178&doi=10.1103%2fPhysRevD.108.072016&partnerID=40&md5=d0f09b1b4ae37aba480f340690a3ddc5
Post-radiation treatment of 3,3′-diselenodipropionic acid augments cell kill by modulating DNA repair and cell migrati	Gandhi V.V., Homi Bhabha National Institute, Maharashtra, Mumbai, India, Radiation and Photochemistry Division, Bhabh	Chemical Sciences; Life Sciences; Medic	IUBMB Life	2023	2	1521-6543	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152916371&doi=10.1002%2fiub.2727&partnerID=40&md5=864ffa916f462bf546f0fa53a5884efe
Effects of microstructure on radiolytic degradation of nuclear grade cationic resins: Gel versus macro-porous	Mal D., Water and Steam Chemistry Division, Bhabha Atomic Research Centre Facilities, India; Puspalata R., Water and Ste	Chemical Sciences; Physical Sciences	Radiation Physics and Chemistry	2023	2	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160743340&doi=10.1016%2fj.radphyschem.2023.111081&partnerID=40&md5=6b82aefa6d8279a80f07b5cd105b5b61
Application of Machine Learning in Predicting Hepatic Metastasis or Primary Site in Gastroenteropancreatic Neuroend	Padwal M.K., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Life Sciences; Medical and Health Scienc	Current Oncology	2023	0	1718-7729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175253029&doi=10.3390%2fcurroncol30100668&partnerID=40&md5=7afc6db2fb55f9c8a339e4f3b8d1378c
Luminescent Y2Zr2O7 for Ultrasensitive Detection of Volatile Organic Compounds Driven by Oxygen Vacancies	Parayil R.T., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Radiochemistry Division, Bhabha At	Chemical Sciences	ACS Applied Electronic Materials	2023	5	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173186455&doi=10.1021%2facsaelm.3c00870&partnerID=40&md5=4a2344c67266a2cd254f11365327da3f
Enhancing the Ultrafast Third-Order Nonlinear Optical Response by Charge Transfer in VSe2-Reduced Graphene Oxide	Kumar V., Department of Physics, Indian Institute of Science Education and Research, Bhopal, 462066, India; Afreen, Depa	Physical Sciences	Journal of Physical Chemistry C	2023	1	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172934613&doi=10.1021%2facs.jpcc.3c03693&partnerID=40&md5=da4a781045a0f27a49dd17dab346d1fd
Search for medium effects using jets from bottom quarks in PbPb collisions at sNN=5.02TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; Andı	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	2	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167972224&doi=10.1016%2fj.physletb.2023.137849&partnerID=40&md5=bac9bb4aa238fee08957dac92d12a386
Sequestration of Actinides by an Extraction Chromatography Resin Containing a Triaza-9-crown-3 Functionalized Digly	Banerjee P., Nuclear Recycle Board, INRPO, BARC, Maharashtra, Tarapur, 401 502, India, Homi Bhabha National Institute,	Chemical Sciences	Industrial and Engineering Chemistry Research	2023	3	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169926751&doi=10.1021%2facs.iecr.3c01908&partnerID=40&md5=bcdf2571264dd327e4c7bc47a6754ae8
Influence of Mn2O3 on the physical properties of metallic glass network	Vinothkumar P., Department of Physics, Saveetha Engineering College, Thandalam, Chennai, 602 105, India; Dhavamurthy	Chemical Sciences	Pramana - Journal of Physics	2023	1	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169039044&doi=10.1007%2fs12043-023-02597-y&partnerID=40&md5=004b8b8c8861b5872b1efda9c6300d3c
Salt induced micellization conduct in PEO-PPO-PEO-based block copolymers: a thermo-responsive approach	Tripathi N., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gujarat,	Physical Sciences	Soft Matter	2023	5	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172712932&doi=10.1039%2fd3sm00896g&partnerID=40&md5=352855a5f9a106d4e104efe932dbc970
Methods and applications of 3-D SN neutron transport code ATES3	Gupta A., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nationa	Physical Sciences	Life Cycle Reliability and Safety Engineering	2023	0	2520-1352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168937270&doi=10.1007%2fs41872-023-00229-3&partnerID=40&md5=0b124336e938b6c8ee91173bb093cf8f
Functionalized Carbon Nanotubes Encapsulated Alginate Beads for the Removal of Mercury Ions: Design, Synthesis, D	Singha Deb A.K., Chemical Engineering Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Mohan M., Che	Chemical Sciences; Engineering Science	ACS Omega	2023	3	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170255164&doi=10.1021%2facsomega.3c05116&partnerID=40&md5=35550b6939333bb7cdfa1edd0f12d983
Differentiation of Discordant Lesions on Dual-Tracer PET/CT (68Ga-PSMA-11 and 18F-FDG) in Prostate Carcinoma: Dia	Chalikandy A., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Mumbai, Ind	Medical and Health Sciences	Journal of Nuclear Medicine Technology	2023	1	0091-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173477883&doi=10.2967%2fjnmt.123.265779&partnerID=40&md5=5adc68187f80e561515172e7af5c04de
Compaction of Calf Thymus DNA by a Potential One-Head-Two-Tail Surfactant: Properties of Nanomaterials and Biolo	Dyagala S., Department of Chemistry, Birla Institute of Technology & Science (BITS) Pilani, Hyderabad Campus, Telangana,	Physical Sciences	ACS Applied Bio Materials	2023	0	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171600058&doi=10.1021%2facsabm.3c00470&partnerID=40&md5=073a4e9c64cc6830988160f8a90dba8d
Activation cross sections of radionuclides produced by alpha induced reactions on natCd up to 40 MeV for optimized	Raja S.W., Radiochemistry Division (BARC), Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata, 700064, India,	Chemical Sciences	European Physical Journal A	2023	0	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171384776&doi=10.1140%2fepja%2fs10050-023-01124-2&partnerID=40&md5=cc309127c7b09a6d5d0db2f2ee784b12
Development of process for purification of strontium nitrate rich solution to qualify for 90Sr–90Y generator	Pareek P., Bhabha Atomic Research Centre, Homi Bhabha National Institute, Mumbai, 400085, India; Singh S.K., Nuclear R	Engineering Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	0	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167357709&doi=10.1007%2fs10967-023-09063-4&partnerID=40&md5=870e518460b4e896ac4de155e33d01ed
Fracture complexions of a nanocrystalline microstructure	Das A., Materials Group, Bhabha Atomic Research Centre (Department of Atomic Energy), Trombay, Maharashtra, Mumba	Chemical Sciences	Applied Physics A: Materials Science and Processing	2023	2	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169681504&doi=10.1007%2fs00339-023-06913-6&partnerID=40&md5=47547ab926118e73b6a8d8f57671b8f0
Application of Thiourea Ameliorates Stress and Reduces Accumulation of Arsenic in Wheat (Triticum aestivum L.) Plan	Shukla A., Plant Stress Biology Laboratory, Institute of Environment and Sustainable Development (IESD), Banaras Hindu U	Life Sciences	Journal of Plant Growth Regulation	2023	2	0721-7595	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138567738&doi=10.1007%2fs00344-022-10799-8&partnerID=40&md5=9fa04f694900c8ee82ef9fa7b50937cb
Probing Microscale Structuring-Induced Phase Separation with Fluorescence Recovery Diffusion Dynamics in Poly(eth	Bhatt S., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Gujarat, Vadodara, 3900	Physical Sciences	ACS Omega	2023	0	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175052962&doi=10.1021%2facsomega.3c04917&partnerID=40&md5=e83b40f2096fe71be38af2efccb0cace
Novel N-Substituted 2,2′-Oxydiacetic Acid Diamide-Functionalized Silica Resins: An Efficient Sorbent for Removal of U	Khan P.N., Process Development Division, Nuclear Recycle Group, Bhabha Atomic Research Centre, Mumbai, 400085, Indi	Chemical Sciences; Engineering Science	Industrial and Engineering Chemistry Research	2023	1	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169932585&doi=10.1021%2facs.iecr.3c01729&partnerID=40&md5=2ec47a995cee9e7eda4ef47693e735a9
Potential behaviour of (Fe, Y) sites due to self-irradiation, as resolved through XAFS of natural metamict gadolinite	Lahiri D., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, In	Engineering Sciences; Physical Sciences	Ceramics International	2023	1	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166920767&doi=10.1016%2fj.ceramint.2023.07.018&partnerID=40&md5=8d820897eb159fdb6321aeff6d440d6a
Fracture Studies on Through-Wall Cracked Straight Pipes and Elbows under Internal Pressure and Bending	Saravanan M., Fatigue & Fracture Laboratory, CSIR-Structural Engineering Research Centre, Taramani, Chennai, 600 113, I	Engineering Sciences	Experimental Techniques	2023	0	0732-8818	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136215546&doi=10.1007%2fs40799-022-00609-x&partnerID=40&md5=56d7ddfce8d304b87d1e1570cee32ffb
Dysprosium site occupancy in SrZnO2 nanophosphors probed through XANES	Manju N., Advanced Materials Research Lab, Department of Physics, Punjabi University, Punjab, Patiala, 147 002, India, De	Physical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175200354&doi=10.1039%2fd3cp03041e&partnerID=40&md5=42ef5962699252590cdc6cb627b32989
Polyaniline modified waste-derived graphene/sulfur nanocomposite cathode for lithium–sulfur batteries	Ponmani P., Research and Development Cell, Department of Physics, PRIST Deemed to be University, Vallam, Tamilnadu, T	Physical Sciences	Journal of Polymer Science	2023	1	2642-4150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162860077&doi=10.1002%2fpol.20220709&partnerID=40&md5=13af11c2a51c5129ac8ed93decfae3cc
Bismuth Vanadate and 3D Graphene Composite Photoanodes for Enhanced Photoelectrochemical Oxidation of Water	Sharma A., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences	ACS Omega	2023	1	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173035395&doi=10.1021%2facsomega.3c03229&partnerID=40&md5=0390ed3c46cc1b36236de91de85f4335
Morphology-controlled synthesis of MoO3 nanostructures and its effect on heavy metal ion detection	Choudhari U., Department of Electronic and Instrumentation Science, Savitribai Phule Pune University, Pune, 411007, Indi	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	2	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169675203&doi=10.1007%2fs10854-023-11145-8&partnerID=40&md5=254c66f2cffd75f6de7a2950d716d0c5
A SnO2/MXene hybrid nanocomposite as a negative electrode material for asymmetric supercapacitors	Padhy A., National Institute of Science Education and Research (NISER), An OCC of Homi Bhabha National Institute, Khordl	Chemical Sciences; Physical Sciences	Sustainable Energy and Fuels	2023	1	2398-4902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174416612&doi=10.1039%2fd3se00969f&partnerID=40&md5=209b98e6faeb07e163f5be4703795118
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Degradation assessment of corroded RC frames using in-structure response spectra from shake table tests and numer	Nagender T., Bhabha Atomic Research Centre, Mumbai, 400085, India; Parulekar Y.M., Bhabha Atomic Research Centre, M	Engineering Sciences	Bulletin of Earthquake Engineering	2023	0	1570-761X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167802291&doi=10.1007%2fs10518-023-01754-3&partnerID=40&md5=b06656b3165f29925c1aeae000ee832e
Crystal structure of phosphate bound Acyl phosphatase mini-enzyme from Deinococcus radiodurans at 1Å resolution	Khakerwala Z., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400094, India, Beamline Develop	Life Sciences	Biochemical and Biophysical Research Communications	2023	0	0006-291X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161693213&doi=10.1016%2fj.bbrc.2023.06.003&partnerID=40&md5=449c6fc44a14f24520b02cc8c050e019
The Power of Kinetic Inertness in Improving Platinum Anticancer Therapy by Circumventing Resistance and Ameliorati	Panda T.R., Laboratory of Medicinal Chemistry and Cell Biology, Department of Chemical Sciences, Tata Institute of Funda	Life Sciences; Physical Sciences	Angewandte Chemie - International Edition	2023	8	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164461243&doi=10.1002%2fanie.202303958&partnerID=40&md5=b782c7eee86cca6d3653d8392078a8d9
Designing a large area field emitter for uniform electron emission	Rudra R., Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Institute, Mumbai, 400 094, In	Physical Sciences	Physics of Plasmas	2023	0	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173510207&doi=10.1063%2f5.0164637&partnerID=40&md5=8a7717f02c4333283de5be3c126fb0d9
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Improved recovery of cellulose nanoparticles from printed wastepaper and its reinforcement in guar gum films	Palanichamy P., Food Process Engineering Laboratory, Department of Chemical Engineering, A. C. Tech Campus, Anna Uni	Life Sciences	Biomass Conversion and Biorefinery	2023	7	2190-6815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125676630&doi=10.1007%2fs13399-022-02516-y&partnerID=40&md5=74f38739e20772e7d50bae99c2144145
Low-cost, ecofriendly, and large-scale synthesis of nanostructured Co1−xMnxFe2O4 microgranules with enhanced ma	Ansari S.M., Department of Physics, Savitribai Phule Pune University, Pune, 411007, India, Department of Physics, United	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2023	2	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160518109&doi=10.1016%2fj.colsurfa.2023.131697&partnerID=40&md5=1c31e4ef849dea8bc5fd862dd8a99cb8
Li-Ion Conduction Mechanism and Relaxation Dynamics in Sorosilicate Compound Li2Cu5(Si2O7)2	Chikara K.S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Bera A.K., Solid State P	Physical Sciences	ACS Applied Electronic Materials	2023	1	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173190262&doi=10.1021%2facsaelm.3c00868&partnerID=40&md5=39d2b0f578e15abf4872fc6f37861774
A turn-on fluorescence sensor for detection of heparinase with heparin templated aggregation of tetracationic porph	Pandey S.P., Amity Institute of Biotechnology, Amity University Maharashtra - Mumbai - Pune Expressway, Bhatan, Mahar	Chemical Sciences	International Journal of Biological Macromolecules	2023	1	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166471318&doi=10.1016%2fj.ijbiomac.2023.125934&partnerID=40&md5=62f596b1735aa6f29c1ad778cc38323f
AIE-Active ‘Turn-On’ Sensors for Highly Selective Detection of Bovine Serum Albumin**	Gawade V.K., School of Chemical Sciences, Central University of Karnataka, Kalaburagi, 585367, India; Jadhav R.W., School	Chemical Sciences	ChemistrySelect	2023	1	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169693794&doi=10.1002%2fslct.202302474&partnerID=40&md5=1269762ce65f007939696476ed804fe2
Molecular insights into the aggregation and solubilizing behavior of biocompatible amphiphiles Gelucire® 48/16 and T	Bhalani D., School of Sciences, P. P. Savani University, NH-8, GETCO, Near Biltech, Kosamba, Gujarat, Surat, 394125, India;	Physical Sciences	RSC Advances	2023	0	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174598476&doi=10.1039%2fd3ra04844f&partnerID=40&md5=655860cc8c6ea8cf0945c99a2d74d5f8

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Synthesis and feasibility studies of doping U at Ti site of Y2Ti2O7 as a radioactive waste immobilization matrix	Gumber N., Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, An	Chemical Sciences; Physical Sciences	Dalton Transactions	2023	4	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173950551&doi=10.1039%2fd3dt02727a&partnerID=40&md5=77d6e72cbeea6e589961d03ad55e8522
Selective Ion Transport through a Self-Standing Protein-Based Biopolymer	Deshmukh S., Institute of Chemical Technology–Mumbai, Maharashtra, Jalna, 431203, India; Deore A., Institute of Chemi	Chemical Sciences	ACS Applied Polymer Materials	2023	0	2637-6105	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169034230&doi=10.1021%2facsapm.3c01097&partnerID=40&md5=81b7f163261236bb455689e43d62e867
Bimetallic Zeolitic Imidazole Frameworks for Improved Stability and Performance of Intrusion-Extrusion Energy Applic	Amayuelas E., Centre for Cooperative Research on Alternative Energies (CIC EnergiGUNE), Basque Research and Technolo	Chemical Sciences	Journal of Physical Chemistry C	2023	7	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172884350&doi=10.1021%2facs.jpcc.3c04368&partnerID=40&md5=0455e3ced4c693df0913fc5c8ed893cf
Experimental and Theoretical Investigation on the Extractive Mass Transfer of Eu3+ Ions Using Novel Amide Ligands in	Ghosh A., Laser and Plasma Technology Division, Beam Technology Development Group, Bhabha Atomic Research Centre,	Chemical Sciences	Inorganic Chemistry	2023	2	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169880185&doi=10.1021%2facs.inorgchem.3c01963&partnerID=40&md5=1ddf174cf93383966c297eda9bb915c3
Convenient synthesis of 6-Amino-2-naphthol by Copper-catalyzed Ullmann reaction	Jagushte K.U., Department of Speciality Chemicals Technology, Institute of Chemical Technology, N.P. Marg, Matunga, Mu	Chemical Sciences	Tetrahedron Letters	2023	2	0040-4039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168506394&doi=10.1016%2fj.tetlet.2023.154693&partnerID=40&md5=56bfee7bf14b14764d6c3b2b5fc57c11
Distinct anharmonic characteristics of phonon-driven lattice thermal conductivity and thermal expansion in bulk MoSe	Gupta M.K., Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha	Physical Sciences	Journal of Materials Chemistry A	2023	6	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174492646&doi=10.1039%2fd3ta03830k&partnerID=40&md5=b906369875982e9000cd8e33e474b888
Combined Experimental and Theoretical Insights on Selectivity of Rare Earth Elements with Tetra-2-ethylhexyl Diglyco	Mondal S., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India; Singh D.K., Materials Group, Bhabh	Chemical Sciences	ChemistrySelect	2023	0	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169589135&doi=10.1002%2fslct.202301842&partnerID=40&md5=3d91b6ae0e6b3ae02417c95d59a60d0b
Probing room-temperature reactivity of H2S, SO2, and NO on the Li2MnO3 crystal surface by experimental and first-p	Rajput K., Materials and Biophysics Group, Department of Applied Physics, S. V. National Institute of Technology, Surat, 39	Chemical Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173854236&doi=10.1039%2fd3nj04075e&partnerID=40&md5=42eb611cff2eaea22fbedf048594d07b
Spectroscopic features of a perylenediimide probe for sensing amyloid fibrils: in vivo imaging of Aβ-aggregates in a Dr	Barooah N., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha	Chemical Sciences	Journal of Materials Chemistry B	2023	0	2050-750X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173677160&doi=10.1039%2fd3tb01233f&partnerID=40&md5=28d4c9700af29b2682cfd3283532a854
Deep Eutectic Solvent-Based Highly Sensitive Turn-On Fluorescent Probe for D2O	Patil S.M., Fuel Chemistry Division, Radiochemistry Division, Bio Organic Division, Bhabha Atomic Research Centre, Tromb	Chemical Sciences	ACS Omega	2023	4	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172453033&doi=10.1021%2facsomega.3c02401&partnerID=40&md5=e3722e58e53bef3233924b35f556efa1
Mechanistic Study of Amphiphilic-Assisted Self-Assembled Cadmium Sulfide Quantum Dots into 3D Superstructures	Pathak S.S., Department of Chemistry, Indian Institute of Technology Bombay, Mumbai, Powai, 400076, India; Kedarnath (	Chemical Sciences	Journal of Physical Chemistry Letters	2023	1	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171309437&doi=10.1021%2facs.jpclett.3c02180&partnerID=40&md5=2ad9c89c7b8a80bb3db03e51755a2497
Analysis of PbBi eutectic after matrix separation by acid induced dispersive liquid-liquid microextraction followed by H	Madhavi K., National Centre for Compositional Characterization of Materials, Bhabha Atomic Research Centre, ECIL Post, H	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	0	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174265233&doi=10.1039%2fd3ja00036b&partnerID=40&md5=833dea32c3f0b408c9480bc0f25d1187
Understanding the molecular interaction of BSA protein with antibiotic sulfa molecule(s) for novel drug development	Mavani A., Department of Chemistry, National Institute of Technology Nagaland, Chumukedima, Nagaland, Dimapur, 797	Physical Sciences	Journal of Molecular Structure	2023	7	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159136385&doi=10.1016%2fj.molstruc.2023.135697&partnerID=40&md5=159ea008edf6c9c7032631755b8153bf
Tuning of structure and host dynamics via yttrium doping in Bi2 O3 to enhance oxygen ion diffusion	Goel P., Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Gupta M.K., Solid	Chemical Sciences; Physical Sciences	Physical Review Materials	2023	0	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173022803&doi=10.1103%2fPhysRevMaterials.7.095402&partnerID=40&md5=8dbf1b5f8bb36d734be7fe99fe0dbe96
Understanding Successful Transfers of Rapid-Composting Technology Using Qualitative Content Analysis for Interpreta	Ponangi T.H., Homi Bhabha National Institute, Anushakthinagar, Maharashtra, Mumbai, 400 094, India; Mukherjee P., Bha	Engineering Sciences	Journal of Scientific and Industrial Research	2023	0	0022-4456	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174147916&doi=10.56042%2fjsir.v82i9.1358&partnerID=40&md5=3b66c1008a7ece9f488d24575b1711bb
Evolution of Local Structure and Pore Architecture during Zeolitic Imidazolate Framework-L to Zeolitic Imidazolate Fra	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Utpalla P., Radiochemistry Divi	Chemical Sciences; Physical Sciences	Chemistry of Materials	2023	7	0897-4756	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169322486&doi=10.1021%2facs.chemmater.3c00292&partnerID=40&md5=86a6fbe6c8ef989bc7a8c05c4abb88a5
First principles study on yttrium decorated BeN4 monolayer for reversible hydrogen storage	Sanyal G., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Nair H.T., D	Physical Sciences	Journal of Energy Storage	2023	9	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163565516&doi=10.1016%2fj.est.2023.107892&partnerID=40&md5=540e493fac6303b72ceab4b5993b29ef
Threshold Photoionization and Density Functional Theory Investigations of Small Lanthanum Monoxide Clusters, LanO	Bhattacharyya S., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bh	Physical Sciences	Journal of Physical Chemistry A	2023	2	1089-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171309267&doi=10.1021%2facs.jpca.3c03575&partnerID=40&md5=21fc3f7673c7bebab0e56fd22b5e565f
Probing the IC/CMB interpretation for the X-ray knots of AGNs through VHE observations	Rahman A.A., Department of Physics, Farook College, Calicut University, Kerala, 673632, India; Sahayanathan S., Astrophys	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2023	1	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169430471&doi=10.1093%2fmnras%2fstad2016&partnerID=40&md5=1c441bc22f7420ba8bbd6aeb0e3aeb07
Evaluation of uranium content and annual ingestion dose in the surface and ground water bodies of Chittorgarh, Raja	Menaria T., Environmental Monitoring and Assessment Division, Bhabha Atomic Research Center, Mumbai, India; Tiwari S	Engineering Sciences	Environmental Monitoring and Assessment	2023	0	0167-6369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168245302&doi=10.1007%2fs10661-023-11660-5&partnerID=40&md5=bd8a2371772126f6786d5afafedaeef9
Linear magnetoelectric coupling and type-II multiferroic order in NiMn2O4	Chatterjee A., School of Physical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, 700032, Ind	Physical Sciences	Journal of Applied Physics	2023	2	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171583130&doi=10.1063%2f5.0149744&partnerID=40&md5=bfa1fc9f32676ca19719783fe12edc54
T9GPred: A Comprehensive Computational Tool for the Prediction of Type 9 Secretion System, Gliding Motility, and th	Sahoo A.K., The Institute of Mathematical Sciences (IMSc), Chennai, 600113, India, Homi Bhabha National Institute (HBNI)	Life Sciences	ACS Omega	2023	1	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173155529&doi=10.1021%2facsomega.3c05155&partnerID=40&md5=24fc03136fbfcca0c3be96e7282baf41
Cooperative interaction of a highly hydrophilic pluronic with bile salts of different hydrophobicity	Wagh S.S., Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER) - Raebarel	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2023	4	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161039026&doi=10.1016%2fj.colsurfa.2023.131709&partnerID=40&md5=00ed8092cecc925fbb8ebe87d5be8007
All-solid-state flexible supercapacitor based on a binary transition metal dichalcogenide grown on 2D/2D heterostruct	Patra A., Centre for Nano and Material Sciences, Jain (Deemed-to-be University), Jain Global Campus, Kanakapura Road, K	Physical Sciences	Journal of Energy Storage	2023	6	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160755841&doi=10.1016%2fj.est.2023.107825&partnerID=40&md5=83bc0faf43c3a269b9bafa38e93e31c3
Search for new heavy resonances decaying to WW, WZ, ZZ, WH, or ZH boson pairs in the all-jets final state in proton-p	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; And	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	5	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167995430&doi=10.1016%2fj.physletb.2023.137813&partnerID=40&md5=adcc95f3c187b81e77679d953973c024
Ti-decorated C30 as a high-capacity hydrogen storage material: insights from density functional theory	Nair H.T., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Gujarat, Vadodara, 390	Physical Sciences	Sustainable Energy and Fuels	2023	2	2398-4902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172249497&doi=10.1039%2fd3se00845b&partnerID=40&md5=eda424297d90f4854a195d541cee020a
Evidence for four-top quark production in proton-proton collisions at s=13TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; And	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	7	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165684059&doi=10.1016%2fj.physletb.2023.138076&partnerID=40&md5=29d843425223235ca9ede2f240aacd18
Synthesis and 177Lu Labeling of the First Retro Analog of the HER2-Targeting A9 Peptide: A Superior Variant	Sharma A.K., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 400085, India, Hom	Chemical Sciences; Life Sciences	Bioconjugate Chemistry	2023	1	1043-1802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164734029&doi=10.1021%2facs.bioconjchem.3c00265&partnerID=40&md5=72095f0d658dc9a387accc2daccc3bb8
18F-FDG PET/CT Versus 68Ga-PSMA-11 PET/CT in Evaluation of Distant Metastatic Disease in Recurrent Renal Cell Car	Parghane R.V., Radiation Medicine Centre (BARC), Tata Memorial Hospital Annexe, Homi Bhabha National Institute, Mum	Medical and Health Sciences	Journal of Nuclear Medicine Technology	2023	1	0091-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169848935&doi=10.2967%2fjnmt.122.264014&partnerID=40&md5=fc086566c09ee234647115260a5ed4a6
Pd-functionalized 2D TMDC MoTe2 monolayer as an efficient glucose Sensor: A First-principles DFT study	Lakshmy S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University,	Chemical Sciences; Physical Sciences	Applied Surface Science	2023	9	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160023256&doi=10.1016%2fj.apsusc.2023.157525&partnerID=40&md5=53ed8ae02ca172e6ae65039414f995b2
Highly Promising Method for the Decontamination of Europium from Americium Using an Extraction Chromatography	Gujar R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Ansari S.A., Radiochemistry	Chemical Sciences	Industrial and Engineering Chemistry Research	2023	2	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172921352&doi=10.1021%2facs.iecr.3c01923&partnerID=40&md5=9a2ebf65b0b2eb94ed9299cce0a30481
Biomass-Derived Carbon Dots as Nanoprobes for Smartphone-Paper-Based Assay of Iron and Bioimaging Application	Korram J., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Koyande P., Chemistry	Chemical Sciences; Life Sciences	ACS Omega	2023	10	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169064527&doi=10.1021%2facsomega.3c03969&partnerID=40&md5=41fd8a33d146df7b35b35566abda55e6
Lithium–sulfur battery performance enhancement by optimal loading of graphene oxide on separator with MXene/re	Sandeep Rao K., Chemistry Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences	Materials Today Sustainability	2023	5	2589-2347	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161512429&doi=10.1016%2fj.mtsust.2023.100414&partnerID=40&md5=2e618727d27d0b6216ea919e51ae9cbb
Pressure tube replica imaging system for PHWR reactors based on optical coherence tomography	Goud B.K., Photonics & Nanotechnology Section, Bhabha Atomic Research Centre Facility, Visakhapatnam, 531011, India;	Physical Sciences	Annals of Nuclear Energy	2023	0	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151794095&doi=10.1016%2fj.anucene.2023.109837&partnerID=40&md5=ebdc1b37812747901ef71b7d711821f3
Superior Interfacial Contact Yields Efficient Electron Transfer Rate and Enhanced Solar Photocatalytic Hydrogen Gener	Rawool S.A., Chemistry Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	ACS Applied Materials and Interfaces	2023	10	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168476329&doi=10.1021%2facsami.3c05833&partnerID=40&md5=7b733046604f51ba40b6bc5f186af047
Nanostructured CeO2 ultrathin film deposited by the Langmuir Blodgett technique for highly sensitive and specific de	Choudhury S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences; Engineering Sciences	Journal of Materials Chemistry C	2023	2	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169543061&doi=10.1039%2fd3tc01561k&partnerID=40&md5=f35ba6f3c961442f5313be631d75a77f
Freezing of water–ethanol mixture in nano-confinement: A positron annihilation study	Dutta D., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Muthulakshmi T.,	Chemical Sciences	Chemical Physics Letters	2023	1	0009-2614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161659009&doi=10.1016%2fj.cplett.2023.140644&partnerID=40&md5=a408a42de72e0017763d68d878e1f4a0
Formation of B2-ordered FeRh alloy thin films on annealing of pure and nitrogen doped Fe/Rh multilayers	Negi P., Department of Physics, National Institute of Technology Uttarakhand, Srinagar Garhwal, 246174, India; Gupta M.,	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	1	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164235881&doi=10.1016%2fj.jmmm.2023.170941&partnerID=40&md5=36608a755f7fb3925f8a3d73b4c7063c
Stability and morphology of cyanonaphthalene icy mantles on ISM cold dust analogues	Ramachandran R., Physical Research Laboratory, Ahmedabad, India; Rahul K.K., Physical Research Laboratory, Ahmedabad	Physical Sciences	Journal of Chemical Sciences	2023	2	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165743543&doi=10.1007%2fs12039-023-02192-z&partnerID=40&md5=4585376c2c98b88a8790287e739e1a41
In situ time-resolved Raman spectroscopy of nitromethane under static and dynamic compression	Chaurasia S., School of Mathematics and Physics, Queen's University, Belfast, BT7 1NN, United Kingdom; Mohan A., High P	Physical Sciences	Journal of Applied Physics	2023	0	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169841856&doi=10.1063%2f5.0155484&partnerID=40&md5=49c2694ec424f322cd0097de3ef34185
Thiol-functionalized TiO2 microspheres and Fe(0) nanoparticle-loaded polymeric hydrogel for the selective recovery o	Thekke Parayil R., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India; Singh S., Analytical Chemistry	Chemical Sciences; Physical Sciences	Environmental Science: Nano	2023	3	2051-8153	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169560994&doi=10.1039%2fd3en00377a&partnerID=40&md5=99103a77ea20f824dd8e9a3fd6b7e182
Susceptibility of Zr-2.5 (wt. %) Nb alloy to undergo nodular corrosion in water and steam environments: Effect of surfa	Samanta A., Post Irradiation Examination Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Nationa	Chemical Sciences	Progress in Nuclear Energy	2023	3	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166467669&doi=10.1016%2fj.pnucene.2023.104823&partnerID=40&md5=21660010de011c9918877ca888755008
Ultrafast Hole Migration at the p-n Heterojunction of One-Dimensional SnS Nanorods and Zero-Dimensional CdS Quar	Kaur A., Institute of Nano Science and Technology, SAS Nagar, Sector 81, Punjab, Mohali, 140306, India; Goswami T., Instit	Chemical Sciences	Journal of Physical Chemistry Letters	2023	3	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168793925&doi=10.1021%2facs.jpclett.3c01395&partnerID=40&md5=8faeb79e5220d62d49764b35e7e9d81b
Detection of high-frequency quasi-periodic oscillation during the reflare of MAXI J1348-630	Kumar R., Astrophysical Sciences Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Nation	Physical Sciences	Monthly Notices of the Royal Astronomical Society: Letters	2023	1	1745-3925	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163845945&doi=10.1093%2fmnrasl%2fslad065&partnerID=40&md5=196488feb37c9623944016234944e694
Inference of grain boundary sliding and co-rotation of α/β phases during superplastic deformation of Zr-2.5%Nb at 70	Reddy G.B., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Division o	Engineering Sciences; Physical Sciences	Scripta Materialia	2023	5	1359-6462	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159190547&doi=10.1016%2fj.scriptamat.2023.115567&partnerID=40&md5=3564a57136c39f33505ac1fafc4468e7
A donor strapped perylene bisimide macrocycle and its lemniscate dimer with extended charge separation	Veer S.D., Organic Chemistry Division, National Chemical Laboratory (CSIR-NCL), Dr Homi Bhabha Road, Pune, 411008, Ind	Chemical Sciences	Organic Chemistry Frontiers	2023	0	2052-4110	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170102339&doi=10.1039%2fd3qo01060k&partnerID=40&md5=d0b1ee78ec0cc07b5dd5874d08830dca
Lithium titanate foam for tritium breeding application	Khan N., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400 085, India, Powder Metallurgy Division, Material	Chemical Sciences; Engineering Sciences	Journal of Nuclear Materials	2023	0	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162195082&doi=10.1016%2fj.jnucmat.2023.154491&partnerID=40&md5=021fe6350bfe9ae5b58081ff872a4560
Synthesis of multicolor silver nanostructures for colorimetric sensing of metal ions (Cr3+, Hg2+ and K+) in industrial w	Patel M.R., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, Gujarat, Surat, 395007, India; U	Chemical Sciences	Environmental Research	2023	7	0013-9351	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161987168&doi=10.1016%2fj.envres.2023.116318&partnerID=40&md5=a83b758ab7f2373009b34816d71adf42
Facile and Scalable Development of High-Performance Carbon-Free Tin-Based Anodes for Sodium-Ion Batteries	Gandharapu P., Advanced Batteries and Ceramics Laboratory, Department of Metallurgical Engineering and Materials Scie	Physical Sciences	ACS Applied Materials and Interfaces	2023	3	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167480988&doi=10.1021%2facsami.3c07305&partnerID=40&md5=e08708173dd90d43a99863baeeb4cd52
Experimental and theoretical insights into colossal supercapacitive performance of graphene quantum dots incorpora	Sangabathula O., Creative & Advanced Research Based On Nanomaterials (CARBON) Laboratory, Department of Chemical	Physical Sciences	Journal of Energy Storage	2023	9	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152429616&doi=10.1016%2fj.est.2023.107274&partnerID=40&md5=721cfff8d62322e0eb41c907037e3987
2-dimensional biphenylene monolayer as anode in Li ion secondary battery with high storage capacity: Acumen from (	Duhan N., Quantum Dynamics Lab, Department of Chemistry, Indian Institute of Technology Ropar, Rupnagar, 140001, Ind	Physical Sciences	Applied Surface Science	2023	14	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154565243&doi=10.1016%2fj.apsusc.2023.157171&partnerID=40&md5=987c9830d983149d7abb4d60f3610d29
Experimental and Theoretical Studies of the Gas-Phase Kinetics of Epichlorohydrin with Tropospheric Oxidants	Sharma A., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Virmani A., Rad	Chemical Sciences	ACS Earth and Space Chemistry	2023	0	2472-3452	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168474414&doi=10.1021%2facsearthspacechem.3c00121&partnerID=40&md5=28bdc56af1158bc2a56cb266c8d4b67e
Physiochemical insight into the solution behavior of cationic gemini surfactant in water and ethanol–water systems	Kumar V., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, India; Patel P., De	Physical Sciences	Journal of Surfactants and Detergents	2023	1	1097-3958	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147283940&doi=10.1002%2fjsde.12662&partnerID=40&md5=31c6be7a24535de5cd2fef1475ef79f6
Development and validation of diffusion based CFD model for modelling of hydrogen and carbon monoxide recombin	Gera B., Reactor Safety Division, Bhabha Atomic Research Centre, Trombay, Mumbai, India; Verma V., Reactor Safety Divis	Engineering Sciences	Nuclear Engineering and Technology	2023	2	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164474195&doi=10.1016%2fj.net.2023.06.005&partnerID=40&md5=7ce990b514f3207ef21c30fc946908d7
Intergranular Corrosion Susceptibility of Alloy 800 Weldments	Abraham G.J., Materials Processing and Corrosion Engineering Division, BARC, Mumbai, 400085, India; Kain V., Materials P	Engineering Sciences	Journal of Materials Engineering and Performance	2023	1	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143148606&doi=10.1007%2fs11665-022-07673-9&partnerID=40&md5=e20340db2459efea65e80aa85a462062
Structural characterization of transcription-coupled repair protein UVSSA and its interaction with TFIIH protein	Mistry H., Radiation Biology & Health Sciences Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Na	Life Sciences; Physical Sciences	International Journal of Biological Macromolecules	2023	2	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165224567&doi=10.1016%2fj.ijbiomac.2023.125792&partnerID=40&md5=e970b6f91d6a229748bc5cf5a0406756
Mixed Aggregates of Surface-Active Ionic Liquids and 14-2-14 Gemini Surfactants in an Aqueous Medium as Fluid Scaf	Singh M., Department of Chemistry, UGC-Centre for Advance Studies – II, Guru Nanak Dev University, Amritsar, 143005, In	Physical Sciences	Langmuir	2023	2	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168428088&doi=10.1021%2facs.langmuir.3c01050&partnerID=40&md5=b2acf6a53e348ce72903c54e936dea9c
Silver zeolite in ultrasonically welded packed beds for enhanced elemental mercury capture from contaminated air st	Shukla P., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400094, India, Alkali Materials & Metal Division, Bh	Engineering Sciences	Microporous and Mesoporous Materials	2023	2	1387-1811	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160663417&doi=10.1016%2fj.micromeso.2023.112651&partnerID=40&md5=7745f8806e7676c255d055eeaceae77d
Exploring the hygroscopicity and chemical composition evolution in organic-inorganic aerosols: A study on internally r	Saha S., Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai-400 085, Homi Bhabha Nationa	Chemical Sciences	Chemosphere	2023	0	0045-6535	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162817606&doi=10.1016%2fj.chemosphere.2023.139260&partnerID=40&md5=d955abfdd960cb81c2c0d1ef79b8b7fb
A machine learning approach for correcting glow curve anomalies in CaSO4:Dy-based TLD dosimeters used in personn	Pathan M.S., Radiological Physics & Advisory Division, Health, Safety & Environment Group, Bhabha Atomic Research Cent	Physical Sciences	Journal of Radiological Protection	2023	2	0952-4746	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164624755&doi=10.1088%2f1361-6498%2face3d3&partnerID=40&md5=2a7c4a29f014132d6ee817bfb0a4b68f
Utilizing Energy Transfer in Mn2+/Ho3+/Yb3+ Tri-doped ZnAl2O4 Nanophosphors for Tunable Luminescence and High	Balhara A., Homi Bhabha National Institute, Mumbai, 400094, India, Radiochemistry Division, Bhabha Atomic Research Ce	Chemical Sciences	ACS Omega	2023	10	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168493119&doi=10.1021%2facsomega.3c03629&partnerID=40&md5=63afded6ef9d0babc83a32a54cdfe6d7
DICOM CT-based Monte Carlo dose calculations for prostate permanent implant using 125I seed sources	Mishra S., Radiological Physics and Advisory Division, Health, Safety & Environment Group, Bhabha Atomic Research Cent	Physical Sciences	Radiation Physics and Chemistry	2023	2	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159151201&doi=10.1016%2fj.radphyschem.2023.111021&partnerID=40&md5=e3a75d34e6978aa2b4d7c105519e03bd
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Ample Lewis Acidic Sites in Mg2B2O5 Facilitate N2 Electroreduction through Bonding-Antibonding Interactions	Biswas A., Institute of Nano Science and Technology, Mohali, Sector-81, Punjab, Mohali, 140306, India; Ghosh B., Institute	Chemical Sciences	Inorganic Chemistry	2023	2	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168803473&doi=10.1021%2facs.inorgchem.3c02389&partnerID=40&md5=3814e5197827937e8cb6f256618dadae
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Band-Gap Energy and Electronic d-d Transitions of NiWO4 Studied under High-Pressure Conditions	Errandonea D., Departamento de Física Aplicada-ICMUV, MALTA Consolider Team, Universidad de Valencia, Edificio de Inv	Physical Sciences	Journal of Physical Chemistry C	2023	5	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167835736&doi=10.1021%2facs.jpcc.3c03512&partnerID=40&md5=babf3bdb154a16c2786894bfd1db893d
DGA-functionalized super-magnetic acid-stable sorbent for treatment of acidic rich nuclear effluent	Khan P.N., Process Development Division, Maharashtra, Mumbai, India, Homi Bhabha National Institute, Maharashtra, Mu	Chemical Sciences; Engineering Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168839631&doi=10.1039%2fd3nj02992a&partnerID=40&md5=f2f81edab31f8953967a606f25967933
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Site-specific characterisation of hydrogeological parameters for low-level solid radioactive waste disposal facility at Ta	Goel S., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Institute	Chemical Sciences; Physical Sciences	Journal of Earth System Science	2023	0	2347-4327	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163052644&doi=10.1007%2fs12040-023-02106-0&partnerID=40&md5=2f038d32723fe6919a8519f98903a8c4
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Search for a heavy composite Majorana neutrino in events with dilepton signatures from proton-proton collisions at s	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; And	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165710255&doi=10.1016%2fj.physletb.2023.137803&partnerID=40&md5=3f00340d9c57847610e0567e17366748
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Facile in-situ grown spinel MnCo2O4/MWCNT and MnCo2O4/Ti3C2 MXene composites for high-performance asymme	Pathak M., Centre for Nano and Material Sciences, Jain (Deemed-to-be University), Jain Global Campus, Kanakapura Road,	Physical Sciences	Journal of Energy Storage	2023	16	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153686315&doi=10.1016%2fj.est.2023.107475&partnerID=40&md5=b5aa79207012c3ace469b5d50427be00
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Influence of substrate-induced strain on exchange bias effect in YSMO/LSMO heterostructures	Waman P.T., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400 085, India; Bhatt H., Soli	Physical Sciences	Bulletin of Materials Science	2023	1	0250-4707	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161086094&doi=10.1007%2fs12034-023-02951-1&partnerID=40&md5=96f50a340de060f31a9597a9efa95bd1
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Multiple Carbon Morphologies Derived from Polyion Complex-Based Double Hydrophilic Block Copolymers as Templa	Sivanantham M., Research and Development Cell, Department of Physics, PRIST Deemed to be University, Vallam, Tamil N	Physical Sciences	Langmuir	2023	2	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167473958&doi=10.1021%2facs.langmuir.2c03364&partnerID=40&md5=f9d0a04d2d3304916a279bcbda99104c
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Relation of ηpl and γpl with separation parameter (S) and their usefulness for fracture toughness evaluation	Bind A.K., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhab	Engineering Sciences	Engineering Fracture Mechanics	2023	1	0013-7944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165125282&doi=10.1016%2fj.engfracmech.2023.109487&partnerID=40&md5=ffd3b1810b9e172db1ad0d19ddd63d28
14CO2 ACTIVITY IN AIR SAMPLES AND DILUTION FACTOR EVALUATION OF KAKRAPAR GUJARAT SITE, INDIA	Chandrakar A., Environmental Survey Laboratory (ESS, EMAD, BARC), Kakrapar Gujarat Site, P.O. Anumala, Surat District, 3	Engineering Sciences	Radiocarbon	2023	0	0033-8222	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169420099&doi=10.1017%2fRDC.2023.68&partnerID=40&md5=cd2a36e148c629c15cd48f4040788647
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Phase evolution in the UO2–CeO2 system under oxidizing and reducing conditions: X-ray diffraction and spectroscopic	Nandi C., Radiometallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Grover V., Chemistry Divisio	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	3	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159551725&doi=10.1016%2fj.jpcs.2023.111444&partnerID=40&md5=ec9c9815be9053232fd4609fa60d5cb0
Insights into fracture behavior of Ni-based superalloy single crystals: An atomistic investigation	Chandra S., Reactor Technology Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Alankar A., Departmer	Engineering Sciences	Journal of Alloys and Compounds	2023	5	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152667684&doi=10.1016%2fj.jallcom.2023.169938&partnerID=40&md5=bc94d94919151df7ba7203f824897e17
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Citric acid-derived nanoporous molybdenum carbide electrocatalyst for HER: Effect of porosity on HER performance	Aich S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Anu	Chemical Sciences; Physical Sciences	Journal of Materials Research	2023	0	0884-2914	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166627606&doi=10.1557%2fs43578-023-01104-8&partnerID=40&md5=8616a4647396a95fe61aabe5fba5f5e9
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Orientation Filtering of Fluorescence by Plasmon-Coupled Waveguide	Dutta Choudhury S., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi	Chemical Sciences	Journal of Physical Chemistry C	2023	0	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166639157&doi=10.1021%2facs.jpcc.3c03475&partnerID=40&md5=2fecd799fb1d44169725904b01ac247b
Oxidation studies of SiC-coated 2.5D carbon fibre preforms	Tammana S.R.C.M., School of Metallurgy and Materials, University of Birmingham, United Kingdom, Materials Group, Bha	Engineering Sciences	Open Ceramics	2023	3	2666-5395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161608955&doi=10.1016%2fj.oceram.2023.100385&partnerID=40&md5=bab77d3bad36193b6315f7fcbd6aec54
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Investigating the Influence of Aromatic Counterions on the Micellar Structure and Aggregation Behavior of Morpholin	Viradiya R.A., Department of Chemical Sciences, P. D. Patel Institute of Applied Sciences, Charusat University, Gujarat, Cha	Physical Sciences	Langmuir	2023	1	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168428217&doi=10.1021%2facs.langmuir.3c01257&partnerID=40&md5=0e28a396777a9f6de74870e3f455b65d
A highly sensitive hemicyanine-based near-infrared fluorescence sensor for detecting toxic amyloid aggregates in hum	Warerkar O.D., SVKM's Shri C. B. Patel Research Centre, Vile Parle, Maharashtra, Mumbai, 400056, India; Mudliar N.H., SV	Chemical Sciences	International Journal of Biological Macromolecules	2023	4	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164740936&doi=10.1016%2fj.ijbiomac.2023.125621&partnerID=40&md5=112cdb6bbd843f4442d6fa693aba075c
Production of Bauxite Certified Reference Material (BARC-B1201) for Nine Property Values (Al2O3, Fe2O3, SiO2, TiO2,	Prasad A.D., National Centre for Compositional Characterisation of Materials, Bhabha Atomic Research Centre, ECIL Post,	Chemical Sciences	Geostandards and Geoanalytical Research	2023	2	1639-4488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152907266&doi=10.1111%2fggr.12483&partnerID=40&md5=38f4d969b895c38c1ab81b35b1334cc5
Accessing copper selenide nanostructures through a 1D coordination polymer of copper(ii) with 4,4 ′-dipyridyldiseleni	Pal M.K., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Karmakar G., Chemistry Division, B	Chemical Sciences	New Journal of Chemistry	2023	2	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170266792&doi=10.1039%2fd3nj02062b&partnerID=40&md5=b1fee441e34c0ac3037e4396fc1644a8
First-principles property assessment of hybrid formate perovskites	Popoola A., Department of Physics, University of South Florida, Tampa, 33620, FL, United States; Ghosh P.S., Glass and Ad	Physical Sciences	Journal of Chemical Physics	2023	3	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168286504&doi=10.1063%2f5.0159526&partnerID=40&md5=fd530706292fa8c71ed6b0191cf14ef5
Transition metal-N2P2 embedded graphene (TM-NPC) as single-atom catalyst for oxygen reduction reaction: a compu	Kancharlapalli S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, An	Chemical Sciences	Theoretical Chemistry Accounts	2023	1	1432-881X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167425840&doi=10.1007%2fs00214-023-03015-7&partnerID=40&md5=5445fe1e1e963575895080372d1be3ac
Oxidation behaviour of uranium and U–10wt.%Mo alloy in air	Rakesh R., Metallic Fuels Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Engineering Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	1	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160782856&doi=10.1007%2fs10967-023-08974-6&partnerID=40&md5=0eca565aa52fcf75b79c4299680744bc
Gamma radiation processing for extending shelf-life and ensuring quality of minimally processed ready-to-eat onions	Khade H.D., Food Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha N	Life Sciences	Journal of Food Science and Technology	2023	2	0022-1155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158126845&doi=10.1007%2fs13197-023-05754-8&partnerID=40&md5=c23d9a0d11265fe652671c2ab9cada82
A SNP-based linkage mapping revealed a mutant-origin major quantitative trait locus for seed size in A05 chromosom	Bhad P.G., Homi Bhabha National Institute, Training School Complex. Anushaktinagar, Mumbai, 400094, India, Nuclear Ag	Life Sciences	Euphytica	2023	0	0014-2336	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165378348&doi=10.1007%2fs10681-023-03212-2&partnerID=40&md5=1fc73e7f97921622e0d387816b8681fd
Studying the structural organization of non-membranous protein hemoglobin in a lipid environment after reconstituti	Kumari A., Amity Institute of Biotechnology, Amity University Haryana, 122413, India; Saha D., Solid State Physics Division,	Physical Sciences	International Journal of Biological Macromolecules	2023	2	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161679805&doi=10.1016%2fj.ijbiomac.2023.125212&partnerID=40&md5=a974b5afbb85431fa439482594708d13
Retention of Am(III) by montmorillonite: effect of sulphate	Kar A.S., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	0	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163717476&doi=10.1007%2fs10967-023-09014-z&partnerID=40&md5=2f2c49a689cc7459191d052ae9072fdc
Assessment of radon, thoron, and their progeny concentrations in the dwellings of Shivalik hills of Jammu and Kashmi	Kaur M., Department of Physics, DAV College, Katra Sher Singh, Punjab, Amritsar, 143001, India, Department of Physics, D	Physical Sciences	Environmental Geochemistry and Health	2023	3	0269-4042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095582839&doi=10.1007%2fs10653-020-00767-0&partnerID=40&md5=a74e32e02c14388f6a4010df7603b4e3
Radiation response of Y3Al5O12 and Nd3+-Y3Al5O12 to Swift heavy ions: insight into structural damage and defect dy	Bhandari K., Radiometallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National In	Chemical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166195272&doi=10.1039%2fd3cp02734a&partnerID=40&md5=c6eeb046d1263d663b8c0ec962b62a84
Neutron spectrometry and dosimetry using a multi-shell Single Sphere Neutron Spectrometer with thermo-luminesce	Paul S., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Tripathy S.P., Health Physics Div	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161321097&doi=10.1016%2fj.nima.2023.168395&partnerID=40&md5=e46a8ca815d2cbdd0759bae7c93b8149
POP-Pincer Xantphos Pd Complex of 4-Pyridylthiolate: Cyclocarbonylative Reaction for the Synthesis of Flavones Using	Lokolkar M.S., Department of Chemistry, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai, 400	Chemical Sciences	Catalysis Letters	2023	2	1011-372X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138527792&doi=10.1007%2fs10562-022-04161-6&partnerID=40&md5=4b2bb882a45e98efea31838217d4f632
Radon build-up in a prototype dwelling using uranium mill tailings as construction material	Rana D., Health Physics Unit, Bhabha Atomic Research Centre, Jharkhand, Jaduguda, 832102, India, Health Physics Divisio	Chemical Sciences; Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	1	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162669802&doi=10.1007%2fs10967-023-09001-4&partnerID=40&md5=ed7c01eebac68d7fd1a95a02e3a2fd54
Polyaniline/rGO/S composite cathode with GO modified separator for lithium sulfur battery: A multipronged approacl	Rao K.S., Chemistry Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha National Institute, An	Chemical Sciences	Materials Today Communications	2023	5	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165529860&doi=10.1016%2fj.mtcomm.2023.106708&partnerID=40&md5=7f50f3f5b573a624722e38e0094dd1d5
Auto-CREAM: Software application for evaluation of HEP with basic and extended CREAM for PSA studies	Garg V., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India; Vinod G., Reactor Safety Division, Bhabh	Engineering Sciences	Reliability Engineering and System Safety	2023	9	0951-8320	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153403202&doi=10.1016%2fj.ress.2023.109318&partnerID=40&md5=735562bd58fb47df756e3b344cc8beb9
Effect of strontium loading on the structural and thermodynamic properties of Ca10-xSrx(PO4)6F2(x= 2, 4, 6, 8) solid s	Das P., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, HomiBhabha N	Chemical Sciences	Journal of Solid State Chemistry	2023	2	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159404931&doi=10.1016%2fj.jssc.2023.124101&partnerID=40&md5=16f3763b7d6e670bd207359a6e109ce0
Physicochemical Characterization, Stability, and In Vitro Evaluation of Curcumin-Loaded Solid Lipid Nanoparticles Prep	Patra S., Department of Chemistry, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India; Dey J., Departmer	Life Sciences	ACS Applied Bio Materials	2023	4	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164916705&doi=10.1021%2facsabm.3c00252&partnerID=40&md5=d304726653c8cffe7b0ba40837e6f256
Validation of MCkeff code using ICSBEP results	Shet S., Manipal Centre for Natural Sciences, Manipal academy of Higher Education, Manipal, 576104, India; Subbaiah K.V	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167814875&doi=10.1016%2fj.nuclphysbps.2023.07.008&partnerID=40&md5=97b37c418bc05733b34c8101ac137e60
Synthesis, microstructure and electrochemical properties of Ni-P-based alloy coatings for hydrogen evolution reaction	Gaikwad A.P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Banerjee A.M., Chemistry Divi	Chemical Sciences	Materials Research Express	2023	1	2053-1591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170826114&doi=10.1088%2f2053-1591%2facf278&partnerID=40&md5=021664dea17f30ab27fcec355cc07e0f
MSA-based seismic fragility analysis of RC structures considering soil nonlinearity effects and time histories compatibl	Bandyopadhyay S., Homi Bhabha National Institute, Mumbai, 400094, India, Reactor Safety Division, Bhabha Atomic Rese	Engineering Sciences	Structures	2023	3	2352-0124	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160017052&doi=10.1016%2fj.istruc.2023.05.076&partnerID=40&md5=ff2f052b41e9002d2d16699d6cc2b34d
Utilizing deep eutectic solvent for facile, selective and sustainable sequestration of plutonium	Patil S., Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400085, Trombay, India, Homi Bhabha Nationa	Chemical Sciences	Separation and Purification Technology	2023	4	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156222802&doi=10.1016%2fj.seppur.2023.123923&partnerID=40&md5=d11acef9e0edcd5592b3b2326b213b24
Curious Behavior of Fe3+-As3+ Chemical Interactions and Nucleation of Clusters in Aqueous Medium	Das S., School of Materials Sciences, Indian Association for the Cultivation of Science, Kolkata, 700032, India; Mishra G., Sc	Physical Sciences	Inorganic Chemistry	2023	1	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166400231&doi=10.1021%2facs.inorgchem.3c01387&partnerID=40&md5=e482641866c93bee41c9cc6a44a5f52a
Origin of magnetic ordering in half-Heusler RuMnGa	Chakraborty S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 700064,	Physical Sciences	Physical Review B	2023	4	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169290176&doi=10.1103%2fPhysRevB.108.054430&partnerID=40&md5=bf4f379a0912b06c8719cef176764f75
Optimization of Ball Mill Grinding of a Limestone-Type Brecciated Uranium Ore	Serajuddin M., Mineral Processing Division, Bhabha Atomic Research Centre (BARC), AMD Complex, Begumpet, Hyderaba	Engineering Sciences	Transactions of the Indian Institute of Metals	2023	1	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152787076&doi=10.1007%2fs12666-023-02926-0&partnerID=40&md5=5bffe87e9972be0f493a2b3511e5c760
Role of Gemini Surfactants with Variable Spacers and SiO2 Nanoparticles in ct-DNA Compaction and Applications tow	Halder S., Department of Chemistry, Birla Institute of Technology & Science (BITS) Pilani, Hyderabad Campus, Telangana, H	Physical Sciences	ACS Applied Bio Materials	2023	2	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163288777&doi=10.1021%2facsabm.3c00256&partnerID=40&md5=4c5265c42dcab886d1965158c9a50390
CRISPR-Cas12a assisted specific detection of mpox virus	Singh M., Applied Genomics Section, Bhabha Atomic Research Centre, Mumbai, India; Misra C.S., Applied Genomics Sectio	Life Sciences	Journal of Medical Virology	2023	2	0146-6615	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165960913&doi=10.1002%2fjmv.28974&partnerID=40&md5=f36b1b9461ce354f6956691540ecc15d
A Simulated Annealing optimization technique to obtain uniform dose distribution in gamma irradiators	Chakrabarty S., Radiological Physics & Advisory Division, Health, Safety & Environment Group, Bhabha Atomic Research Ce	Physical Sciences	Radiation Physics and Chemistry	2023	0	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151666869&doi=10.1016%2fj.radphyschem.2023.110959&partnerID=40&md5=bc0e40605ffb8868ac1113cb4c15b4ad
High concentration quenching, improved PLQY and high color purity of novel Gd2TiO5:Eu3+ triggered by complete sol	Jafar M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, An	Chemical Sciences	Optical Materials	2023	2	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163208477&doi=10.1016%2fj.optmat.2023.114059&partnerID=40&md5=985a4778d46a7eaf3196b579f2df3d97
Combined effects of dry-wet irrigation, redox changes and microbial diversity on soil nutrient bioavailability in the rice	Majumdar A., Department of Earth Sciences, Indian Institute of Science Education and Research (IISER) Kolkata, West Ben	Life Sciences	Soil and Tillage Research	2023	13	0167-1987	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159401839&doi=10.1016%2fj.still.2023.105752&partnerID=40&md5=7113bf0540b0bf235c1bca80193214ec
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Fermionic dark matter in Dynamical Scotogenic Model	Chun E.J., Korea Institute for Advanced Study, Seoul, 02455, South Korea; Roy A., Institute of Physics, Sachivalaya Marg, B	Physical Sciences	Journal of High Energy Physics	2023	1	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168687562&doi=10.1007%2fJHEP08%282023%29130&partnerID=40&md5=334a498d7ffdfde1a8fc7fc0442b3fbf
Withaferin-A alleviates acute graft versus host disease without compromising graft versus leukemia effect	Kumar Gupta S., Department of Clinical Pharmacology, ACTREC, Tata Memorial Centre, Kharghar, Maharashtra, Navi Mum	Life Sciences; Medical and Health Scienc	International Immunopharmacology	2023	2	1567-5769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162853098&doi=10.1016%2fj.intimp.2023.110437&partnerID=40&md5=d8d6f9d350fcde09411dfd23a9585246
Mesoporous Fe3O4 nanoparticle: A prospective nano heat generator for thermo-therapeutic cancer treatment modal	Shaw S.K., Department of Metallurgical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi, 2	Chemical Sciences	Journal of Magnetism and Magnetic Materials	2023	3	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159295330&doi=10.1016%2fj.jmmm.2023.170817&partnerID=40&md5=ec378de5a673fe1d91287a69df613550
Comprehensive study on the origin of orthorhombic phase stabilization in Gd-doped HfO2 and DFT calculations	Banerjee D., Radiochemistry Division (BARC), Variable Energy Cyclotron Centre, Kolkata, 700064, India, Homi Bhabha Nati	Chemical Sciences; Physical Sciences	Physical Chemistry Chemical Physics	2023	1	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168222812&doi=10.1039%2fd3cp00062a&partnerID=40&md5=888c3e5f92ced69f78ae179b61d46c08
Measurement of 58 co(n,xp) cross sections by a surrogate method	Gandhi R., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Instit	Physical Sciences	European Physical Journal A	2023	1	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168460762&doi=10.1140%2fepja%2fs10050-023-01099-0&partnerID=40&md5=5632e94ddc91535747f9cb25893acc2b
4d element induced improvement of structural disorder and development of weakly reentrant spin-glass behavior in	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata, 700064, India,	Physical Sciences	Physical Review B	2023	4	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167946313&doi=10.1103%2fPhysRevB.108.054405&partnerID=40&md5=e6bdda4ab6883d7a1626ec6348a3bc5a
Synthesis mechanism and 'orthodoxy' test based field emission analysis of hybrid and pristine graphene nanowalls de	Kar R., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Engineering Sciences; Physical Sciences	Diamond and Related Materials	2023	5	0925-9635	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163187124&doi=10.1016%2fj.diamond.2023.110134&partnerID=40&md5=0b672ebcf4efb6a8758f06722b36d79f
Sorption study of long-lived 94Nb on laterite: Effects of physicochemical parameters on sorption	Ghosh M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Chemical Sciences	Journal of Environmental Radioactivity	2023	0	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158062824&doi=10.1016%2fj.jenvrad.2023.107201&partnerID=40&md5=991e3351bb7beab8fd661ce0538bae2c
First exploratory survey of poloidal magnetic flux emission from a dense plasma focus	Upadhyay M., Department of Physics, Banaras Hindu University, Varanasi, 221005, India, Natural Sciences and Science Edu	Engineering Sciences	Physics of Plasmas	2023	1	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166916112&doi=10.1063%2f5.0155807&partnerID=40&md5=403267d19ed010ad3bbc8d7d8f134f43
Descriptor sliding mode observer based fault tolerant control for nuclear power plant with actuator and sensor faults	Surjagade P.V., School of Built Environment, Engineering and Computing, Leeds Beckett University, Leeds, LS6 3QR, United	Engineering Sciences	Progress in Nuclear Energy	2023	2	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163148538&doi=10.1016%2fj.pnucene.2023.104774&partnerID=40&md5=02a1f1f51adbc436ec2a711cfc3ed723
Operational characteristics of LWR core fuelled with thorium-based fuel	Raj D., Bhabha Atomic Research Centre, Reactor Physics Design Division, India, Homi Bhabha National Institute, Reactor Ph	Physical Sciences	Annals of Nuclear Energy	2023	4	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151024817&doi=10.1016%2fj.anucene.2023.109801&partnerID=40&md5=c4a51e020176e161deea7a309d235062
Extreme phonon anharmonicity underpins superionic diffusion and ultralow thermal conductivity in argyrodite Ag8Sn	Ren Q., Key Laboratory of Artificial Structures and Quantum Control, School of Physics and Astronomy, Shanghai Jiao Tong	Physical Sciences	Nature Materials	2023	42	1476-1122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159703781&doi=10.1038%2fs41563-023-01560-x&partnerID=40&md5=ebe7891da78b7227085dd58b38a12ee6
Structural effects of benzene-centered tripodal diglycolamides on extraction of trivalent f-cations into a room temper	Ansari S.A., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Mohapatra P.K., Radiochem	Chemical Sciences	Journal of Molecular Liquids	2023	2	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154578077&doi=10.1016%2fj.molliq.2023.121861&partnerID=40&md5=907df9ada55b71785a88197e15309f32
Measurement of residues from the Li 6 +Zn reaction: Analysis of fusion phenomena below 7.1 MeV/nucleon	Singh A., Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand, Roorkee, 247667, India; Maiti M., D	Chemical Sciences	Physical Review C	2023	2	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170671363&doi=10.1103%2fPhysRevC.108.024607&partnerID=40&md5=0fbf256bcdf33311c65916c1ee923a97
Role of dopant local structure and defects in optical properties of SrHfO3:Ln3+ perovskite: experimental and theoretic	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences; Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	1	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169012727&doi=10.1007%2fs10854-023-11128-9&partnerID=40&md5=dee0750b559030033455ce5c87045f93
Capture of volatile I2 by dithioglycol functionalized HKUST-1 and its polymeric composite beads	Kolay S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Sahu A.K., Glass and Advanced Ma	Chemical Sciences; Physical Sciences	Journal of Solid State Chemistry	2023	4	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154561860&doi=10.1016%2fj.jssc.2023.124080&partnerID=40&md5=f26047355b4279946af93f063dc6b2b1
Structure and electrical properties of AM(PO3)4: A = Li, Na and M = Ce and Pr	Saha P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Rao K.S., Chemistry Division, Bhabha	Chemical Sciences	Materials Chemistry and Physics	2023	1	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158907370&doi=10.1016%2fj.matchemphys.2023.127891&partnerID=40&md5=d672347b2606a22979b1a8d4861e0fc7
Application of ultrasound in heat exchanger handling supersaturated CaSO4 solution for reduction of scaling by induc	Banakar V.V., Chemical Engineering Department, Institute of Chemical Technology, N.P. Marg, Mumbai, Matunga, 400 019	Engineering Sciences	Chemical Engineering Science	2023	1	0009-2509	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154546343&doi=10.1016%2fj.ces.2023.118814&partnerID=40&md5=9025e7bb3139f97c5342004d013a998b
High-Pressure Vibrational and Structural Studies of the Chemically Engineered Ferroelectric Phase of Sodium Niobate	Mishra S.K., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National I	Physical Sciences	Crystals	2023	0	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169009548&doi=10.3390%2fcryst13081181&partnerID=40&md5=2976c40367c64672b0f466ea54475b93
Energetic, Electronic, and Optical Behavior of Intrinsic Charge Carrier-Trapping Defects in Ge-Doped ZnGa2O4: Insight	Modak B., Theoretical Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, H	Chemical Sciences	Journal of Physical Chemistry C	2023	0	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165900484&doi=10.1021%2facs.jpcc.3c02631&partnerID=40&md5=d3414d47368519170a9445b123a665df
Strategy to minimize induced 24Na, 56Mn activity in concrete composites used for fast neutron shielding: impact of c	Shanbhag A.A., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Paul S., Health Physics D	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	1	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162990106&doi=10.1007%2fs10967-023-08996-0&partnerID=40&md5=f976803f8db2e7ae8c397eae70dfcc8b
Development of an external PIGE method using nitrogen from atmospheric air as external beam current normalizer ar	Raja S.W., Radiochemistry Division (BARC), Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata, 700064, India,	Chemical Sciences	Analytica Chimica Acta	2023	4	0003-2670	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159462723&doi=10.1016%2fj.aca.2023.341353&partnerID=40&md5=5c52abdaceaf18dae07b6d0a6c6960c8
Evaluation of hyperfine interactions in strontium titanate perovskite for low doses of electron beam radiation	Kumar A., Radiochemistry Division, BARC Trombay, Mumbai, 400085, India, Homi Bhabha National Institute, Anushaktinag	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	0	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160816347&doi=10.1007%2fs10967-023-08964-8&partnerID=40&md5=22ab2f4bb0379a449f21876b7ba0c947
Dynamics of spatially confined ns laser induced atmospheric air plasma and shock waves: visualization vis-à-vis validat	Guthikonda N., Advanced Centre of Research in High Energy Materials (ACRHEM), University of Hyderabad, Prof. C. R. Rao	Physical Sciences	Journal of Physics D: Applied Physics	2023	0	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157998424&doi=10.1088%2f1361-6463%2faccf25&partnerID=40&md5=b5bc8173151a4b710e22c21c36972099
High spin polarization in the disordered quaternary Heusler alloy FeMnVGa	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/	Physical Sciences	Physical Review B	2023	6	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166738545&doi=10.1103%2fPhysRevB.108.045137&partnerID=40&md5=827fe9893e064511480db1f3ff479914
Intertwined crystal structure and electrical properties in layered battery materials A2Ni2Te O6 (A=Na/Li)	Saha B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Physical Sciences	Physical Review Materials	2023	0	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168601407&doi=10.1103%2fPhysRevMaterials.7.085001&partnerID=40&md5=9ede75456c1867fe4fbb7c803b715be9
meta-Topolin-induced regeneration and ameliorated rebaudioside-A production in genetically uniform candy-leaf pla	Subrahmanyeswari T., Crop Research Unit (Genetics and Plant Breeding), Bidhan Chandra Krishi Viswavidyalaya, Mohanpu	Life Sciences	South African Journal of Botany	2023	7	0254-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162094744&doi=10.1016%2fj.sajb.2023.05.045&partnerID=40&md5=3334a45697068c9439bd443628c6cd8f
Combating fungal phytopathogens with human salivary antimicrobial peptide histatin 5 through a multi-target mecha	Chadha S., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, I	Life Sciences	World Journal of Microbiology and Biotechnology	2023	1	0959-3993	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160897352&doi=10.1007%2fs11274-023-03667-4&partnerID=40&md5=f7dba7b16aa927b9dc992dd1eeb442e3

Temperature-driven structural phase transitions in 0.05(Na0.50Bi0.50)TiO3-0.95NaNbO3 solid solution via amplitude	Jayakrishnan V.B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nat	Physical Sciences	EPL	2023	0	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169302042&doi=10.1209%2f0295-5075%2facedcb&partnerID=40&md5=fd16ce3ceeb7183be764bc5a20599dee
Reply to discussion of “Probable maximum tropical cyclone parameters for east and west coast of India” by Li and Kur	Kumar D.S., Homi Bhabha National Institute (HBNI), Mumbai, India; Behera M.R., Department of Civil Engineering, Indian I	Engineering Sciences; Physical Sciences	Natural Hazards	2023	0	0921-030X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159323851&doi=10.1007%2fs11069-023-06003-z&partnerID=40&md5=2a715291feb27dc41149c5d5444adae7
Tailoring oxygen vacancies in ThO2 for improved light emission and ORR electrocatalysis	Das D., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute	Chemical Sciences; Physical Sciences	Materials Today Chemistry	2023	6	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165058340&doi=10.1016%2fj.mtchem.2023.101635&partnerID=40&md5=dbf9d00031a5d00e777cf836e639a0ac
Comparative Studies on Mutagenic Effectiveness and Efficiency in Horsegram [Macrotyloma uniflorum (Lam) Verdc.]	Priyanka S., Centre for Plant Breeding and Genetics, Tamil Nadu Agricultural University, Tamil Nadu, Coimbatore, 641 003,	Life Sciences	Legume Research	2023	1	0250-5371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115917931&doi=10.18805%2fLR-4408&partnerID=40&md5=080448eab6eb40ba4ad4c12a468c893a
Classification of the Fermi-LAT blazar candidates of uncertain type using extreme gradient boosting	Tolamatti A., Astrophysical Sciences Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nati	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2023	2	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164283296&doi=10.1093%2fmnras%2fstad1826&partnerID=40&md5=81ac3d85f87d54c386234e2d627d64bf
Depth profile analysis of 100 keV Ni ions in Si 〈100〉 substrate	Alam M.A., Accelerator Physics & Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, Indor	Physical Sciences	Spectrochimica Acta - Part B Atomic Spectroscopy	2023	1	0584-8547	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160743073&doi=10.1016%2fj.sab.2023.106707&partnerID=40&md5=70edd7ded6fa66b6544267b776db94c9
Thermal plasma processing of high temperature insulation wools	Dhamale G.D., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ajith N., A	Physical Sciences	Waste Management	2023	2	0956-053X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162142870&doi=10.1016%2fj.wasman.2023.06.016&partnerID=40&md5=64303230101e25359929953e6831c851
Functional inhibition of RECQL5 helicase elicits non-homologous end joining response and sensitivity of breast cancers	Philip K.T., Bio-Organic Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nationa	Life Sciences	International Journal of Biochemistry and Cell Biology	2023	1	1357-2725	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164375992&doi=10.1016%2fj.biocel.2023.106443&partnerID=40&md5=6f0eb68d3393d95b58747a0df0a89f27
Luminescence and spectroscopic studies on Eu3+-doped borate and boro-phosphate glasses for solid state optical dev	Priya M., Department of Physics, Saveetha Engineering College, Chennai, 602105, India; Dhavamurthy M., Mannai Rajagop	Chemical Sciences	Optical Materials	2023	5	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163801002&doi=10.1016%2fj.optmat.2023.114007&partnerID=40&md5=1f75b4fe6dc9a3018b42de4fcfe5fea0
Tubular Diamond as an Efficient Electron Field Emitter	Karmakar S., Electrical Engineering, Ingram School of Engineering, Texas State University, San Marcos, 78666, TX, United S	Physical Sciences	ACS Applied Electronic Materials	2023	3	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164459952&doi=10.1021%2facsaelm.3c00317&partnerID=40&md5=90363a83eedfbfe1c065269b2858ac32
Co-micellization conduct and structural dynamics of block copolymers in water and salt solution environment for drug	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Gujarat, Ichchhanath, Sur	Chemical Sciences	Colloid and Polymer Science	2023	5	0303-402X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153523112&doi=10.1007%2fs00396-023-05109-x&partnerID=40&md5=ded2092265249cdc74e0893489ce7e72
Probing structural evolutions in GdVO4 under extreme thermodynamic conditions	Bhoriya A., Pressure, Vacuum & Ultrasonic Metrology Section, Physico-Mechanical Metrology Division, CSIR-National Phys	Physical Sciences	Journal of Solid State Chemistry	2023	0	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159162544&doi=10.1016%2fj.jssc.2023.124072&partnerID=40&md5=38ae144852302250f7242265b3d114b5
Influence of Molecular Separation on Through-Space Intervalence Transient Charge Transfer in Metal–Organic Framew	Nath A., School of Chemistry, Indian Institute of Science Education and Research Thiruvananthapuram, Kerala, 695551, In	Chemical Sciences	Angewandte Chemie - International Edition	2023	9	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163575837&doi=10.1002%2fanie.202308034&partnerID=40&md5=ed3f601155f89bcd8f42dcdd68a1cca4
Improving perovskite/P3HT interface without an interlayer: Impact of perovskite surface topography on photovoltaic	Koiry S.P., Technical Physics Division, Bhabha Atomic Research Centre Mumbai, 400085, India, Homi Bhabha National Insti	Physical Sciences	Materials Today Communications	2023	5	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162190211&doi=10.1016%2fj.mtcomm.2023.106418&partnerID=40&md5=1b91dc1089efb3fc1f2af5b068c0d226
Effect of Ageing Treatment on the Stress Corrosion Cracking Susceptibility of Precipitation Hardenable 17–4 PH Stainle	Bhambroo R., Tenneco Inc, Plymouth Technical Centre, 47001 Port St., Plymouth, 48170, MI, United States; Roychowdhur	Engineering Sciences	Transactions of the Indian Institute of Metals	2023	0	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151711103&doi=10.1007%2fs12666-023-02931-3&partnerID=40&md5=725c9fe927f4a3bff14a341175ea5aca
Ensuring safety of new, advanced small modular reactors for fundamental safety and with an optimal main heat trans	Gaikwad A.J., Homi Bhabha Institute of Technology (HBNI), Anushaktinagar, Mumbai, 400094, India, Atomic Energy Regula	Engineering Sciences	Kerntechnik	2023	0	0932-3902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161303098&doi=10.1515%2fkern-2022-0106&partnerID=40&md5=0a4885e04f4454d3d187d2de0b721dea
Site preference-based luminescence studies in Eu doped calcium magnesium silicate phosphor: A combined experime	Kuriyan N.S., Department of Physics, Cochin University of Science and Technology, Kerala, Cochin, 682022, India; Ghosh P.	Chemical Sciences; Physical Sciences	Journal of Luminescence	2023	3	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163810182&doi=10.1016%2fj.jlumin.2023.119901&partnerID=40&md5=3ae72746d4dd51f1c0438ce86d0fb11d
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Effect of titanium swift heavy ion irradiation on ferroelectric triglycine sulphate (TGS) 〈011〉 oriented single crystal	Sabarish V.C.B., Department of Science and Humanities, University College of Engineering Arni- Thatchur- (Anna University	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	0	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165375476&doi=10.1007%2fs10854-023-10920-x&partnerID=40&md5=c836ff59f57b66272b877b238cc5e391
Discrimination of Fast and Thermal Neutrons Using a Novel Phoswich Detector of LaCl3and LiI:Eu Single Crystal Scintill	Sonu, Bhabha Atomic Research Center, Technical Physics Division, Mumbai, 400085, India, Homi Bhabha National Institute	Physical Sciences	IEEE Transactions on Nuclear Science	2023	1	0018-9499	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159687848&doi=10.1109%2fTNS.2023.3271460&partnerID=40&md5=ac526c901ba1594aacc5b5f5b96c7c35
Mitochondria-targeted derivative of pterostilbene, a dietary phytoestrogen, exhibits superior cancer cell cytotoxicity v	Ibrahim M.K., Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh	Life Sciences	Advances in Redox Research	2023	1	2667-1379	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176202340&doi=10.1016%2fj.arres.2023.100071&partnerID=40&md5=c94b41e4878a12c55d02095556831d3e
Improvement of Electron Gun Breakdown Performance Through Surface Flashover and Discharge Studies	Goel V., Homi Bhabha National Institute, Bhabha Atomic Research Centre, Mumbai, 400085, India; Roy A., Homi Bhabha N	Engineering Sciences; Physical Sciences	IEEE Transactions on Electron Devices	2023	0	0018-9383	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160220611&doi=10.1109%2fTED.2023.3273513&partnerID=40&md5=ec31a3b14dc4a874ae7fbeae7ee50ae8
Cluster spin-glass state with magnetocaloric effect in open framework structure of the Prussian blue analog molecular	Bhatt P., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Ins	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165633580&doi=10.1103%2fPhysRevB.108.014412&partnerID=40&md5=efa80a83d4c723a143bc2045bef0d83e
Inorganic polyphosphate accumulation protects a marine, filamentous cyanobacterium, Anabaena torulosa against ur	Chandwadkar P., Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, India; Acharya C., Mole	Life Sciences	Journal of Environmental Radioactivity	2023	1	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153093490&doi=10.1016%2fj.jenvrad.2023.107185&partnerID=40&md5=fefdcdcec958573c000221a92d05a825
Integrated experimental and modeling approach for hot deformation behavior of Co–Cr–Fe–Ni–V high entropy alloy	Jain R., School of Materials Science and Engineering, Yeungnam University, 280 Daehak-ro, Gyeongbuk, 38541, South Kore	Engineering Sciences	Journal of Materials Research and Technology	2023	7	2238-7854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161679374&doi=10.1016%2fj.jmrt.2023.05.257&partnerID=40&md5=8f7d98ff6c3a25c02e9f93a65d805208
Discrimination of binary mixture of toxic gases using ZnO nanowires-based E-nose	Sinju K.R., Technical Physics Division, Bhabha Atomic Research Center, Mumbai, 400 085, India, Homi Bhabha National Ins	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	1	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165347313&doi=10.1007%2fs10854-023-10956-z&partnerID=40&md5=97d61cb97d873261248197eb382bd3c9
Polyether phases of formic acid revealed under high pressure	Bhatt H., High Pressure & Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 40	Physical Sciences	Chemical Communications	2023	1	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167339435&doi=10.1039%2fd3cc02129g&partnerID=40&md5=6c74230563c2f17380d5a487b4394ec1
Measurement of neutron capture cross section on 71Ga at 2.15 and 3.19 MeV and uncertainty propagation and covar	Pachuau R., Department of Physics, Banaras Hindu University, Varanasi, 221005, India; Gandhi A., Department of Physics,	Physical Sciences	Chinese Physics C	2023	0	1674-1137	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162127397&doi=10.1088%2f1674-1137%2facce28&partnerID=40&md5=5273b9a9297b8e989edd929fa06c4d93
Resonance nucleon scattering amplitude in the photonuclear reaction	Das S., Nuclear Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nationa	Physical Sciences	Nuclear Physics A	2023	0	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154064107&doi=10.1016%2fj.nuclphysa.2023.122657&partnerID=40&md5=563e3c67d0a202e69bc94d7ab72f14cc
Thiophene functionalized naphthalene diimide for the sensitive detection of nitroaromatics	Bhusanur D.I., Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Telangana, Hyde	Chemical Sciences	Indian Journal of Chemistry (IJC)	2023	1	2583-1321	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169606697&doi=10.56042%2fIJC.V62I7.999&partnerID=40&md5=f672669d68049103460af3ccb423d303
Technetium-99m labeled core shell hyaluronate nanoparticles as tumor responsive, metastatic skeletal lesion targete	Kaur S., Nanomedicine Laboratory, Department of Biosciences & Bioengineering, Indian Institute of Technology, Bombay,	Chemical Sciences	Carbohydrate Polymers	2023	0	0144-8617	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151546059&doi=10.1016%2fj.carbpol.2023.120840&partnerID=40&md5=aeb27f788f4863e53bcf9c7ad967069e
Hydrophobic MXene with enhanced electrical conductivity	Patra S., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Bhubaneswar, 752050, India; Kiran N.U., M	Physical Sciences	Surfaces and Interfaces	2023	10	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160084896&doi=10.1016%2fj.surfin.2023.102969&partnerID=40&md5=d74290485e8ed02749c889a12555a50b
Molecular growth of PANH via intermolecular Coulombic decay	Barik S., Department of Physics, Indian Institute of Technology Madras, Chennai, India; Behera N.R., Department of Physic	Chemical Sciences	Science Advances	2023	5	2375-2548	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165909125&doi=10.1126%2fsciadv.adi0230&partnerID=40&md5=07414e1e10cbac411407b99f842b98c6
A phase-engineered nickel sulfide and phosphide (NiS-Ni2P) heterostructure for enhanced hydrogen evolution perfor	Das J.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bhab	Chemical Sciences; Physical Sciences	Sustainable Energy and Fuels	2023	2	2398-4902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166753465&doi=10.1039%2fd3se00685a&partnerID=40&md5=0664acf6c8809bfb3736b1cc9eb62ed7
Novel merocyanine-derived receptor: Synthesis, crystal structure and picric acid recognition, spectroscopic and theor	Bhusanur D.I., Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Telangana, Hyde	Chemical Sciences	Journal of Molecular Structure	2023	2	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151399538&doi=10.1016%2fj.molstruc.2023.135382&partnerID=40&md5=7ed277c07a422d9188be1e3eb190b5c7
Trichoderma virens exerts herbicidal effect on Arabidopsis thaliana via modulation of amino acid metabolism	Bansal R., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 40008	Life Sciences	Plant Science	2023	2	0168-9452	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153346227&doi=10.1016%2fj.plantsci.2023.111702&partnerID=40&md5=5fb07f31f61775b12dd8a08748bf43ab
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Interlink between ExoD (Alr2882), exopolysaccharide synthesis and metal tolerance in Nostoc sp. strain PCC 7120: Ins	Raghavan P.S., Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Potnis A.A.	Life Sciences	International Journal of Biological Macromolecules	2023	2	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162199066&doi=10.1016%2fj.ijbiomac.2023.125014&partnerID=40&md5=3e471b4a6be8734886a06932f47c7202
Lattice dynamics and pressure induced metallization of solid iodanil (C6I4O2) studied using density functional theory	Mondal S., Advanced Centre of Research in High Energy Materials (ACRHEM), University of Hyderabad, Prof. C. R. Rao Roa	Physical Sciences	Physica Scripta	2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163656727&doi=10.1088%2f1402-4896%2facd9fb&partnerID=40&md5=884af54c5d28c24bbcdf4b58381a740d
Comparative Effect of Physiological Salts upon Micellization of T1304 and T1307	Rudani B.A., Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER) Raebare	Physical Sciences	Langmuir	2023	6	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164211449&doi=10.1021%2facs.langmuir.3c00739&partnerID=40&md5=e5b64ef643430622ec1b88966ee4639e
Unraveling the paleo-marine signature in saline thermal waters of Cambay rift basin, Western India: Insights from geo	Chatterjee S., Isotope and Radiation Application Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mishra	Chemical Sciences	Marine Pollution Bulletin	2023	1	0025-326X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158834207&doi=10.1016%2fj.marpolbul.2023.115003&partnerID=40&md5=16438c38efffbafe1d76d78587b055f7
Copper metal insertion in porphyrin core compromises the photocytotoxicity of free base porphyrin: Revelation durin	Kumar N., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	3	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152253699&doi=10.1016%2fj.jphotochem.2023.114754&partnerID=40&md5=dee8965e04f14f6e0bcc51f74dc8f1cf
Laser isotope separation of 192Ir	Suryanarayana M.V., Bhabha Atomic Research Centre, Andhra Pradesh, Visakhapatnam, India; Sankari M., Bhabha Atomic	Physical Sciences	Applied Radiation and Isotopes	2023	0	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152438550&doi=10.1016%2fj.apradiso.2023.110820&partnerID=40&md5=4381735dd564c5dda71f16c4cceaf93a
Crystal structure of Synechococcus phycocyanin: implications of light-harvesting and antioxidant properties	Patel S.N., P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, CHARUSAT Campus, Ch	Life Sciences	3 Biotech	2023	2	2190-572X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163022443&doi=10.1007%2fs13205-023-03665-1&partnerID=40&md5=f67fbb00724ac839f3f7cfcce08dc9c1
Ultrafast Dynamics of the 9,10-Bis[(triisopropylsilyl)ethynyl]anthracene Nanoaggregate and Thin Film: Influence of the	Nandi A., Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Manna B., Rad	Chemical Sciences	Journal of Physical Chemistry C	2023	4	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164450659&doi=10.1021%2facs.jpcc.3c01851&partnerID=40&md5=ad379d7d51549f97678213affbaa1e37
Assaying of SNM using Simultaneous Detection of Fission Neutrons and Gammas by Employing a Novel Phoswich Dete	Sonu, Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute	Engineering Sciences; Physical Sciences	Nuclear Engineering and Technology	2023	0	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161342786&doi=10.1016%2fj.net.2023.03.028&partnerID=40&md5=858166868446eedd3bdc15a471a690d0
Purification, characterization and proteolytic processing of mosquito larvicidal protein Cry11Aa from Bacillus thuringie	Kinkar O.U., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400094, India, Beamline Developme	Life Sciences	International Journal of Biological Macromolecules	2023	3	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161686025&doi=10.1016%2fj.ijbiomac.2023.124979&partnerID=40&md5=63b8e3dd0ff91ebf44f63f91894977d7
Search for a massive scalar resonance decaying to a light scalar and a Higgs boson in the four b quarks final state with	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austria; And	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	6	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162777773&doi=10.1016%2fj.physletb.2022.137392&partnerID=40&md5=250e89c066d086316702a3f67a653c9b
Generative Adversarial Network based method for generation of synthetic image parameters for TACTIC γ-ray telesco	Das M.P., Astrophysical Sciences Division, Bhabha Atomic Research Centre, Trombay, Maharashtra, Mumbai, 400085, Indi	Physical Sciences	Astronomy and Computing	2023	1	2213-1337	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167460129&doi=10.1016%2fj.ascom.2023.100741&partnerID=40&md5=7c54af86a25cde7280d815fddeca4f1a
Intertwined spin and phonon correlations across the magnetic compensation temperature in magnetoelectric Li0.5Fe	Patnaik P.S., Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India; Kumar A., Solid S	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166906439&doi=10.1103%2fPhysRevB.108.014438&partnerID=40&md5=270ee3d833438ba44701b320f6116777
Countrywide monitoring of absorbed dose rate in air due to outdoor natural gamma radiation in India	Mitra P., Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; M	Engineering Sciences	Radiation Protection Dosimetry	2023	5	0144-8420	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165521538&doi=10.1093%2frpd%2fncad185&partnerID=40&md5=41ed8d085ff6d105eae8d2846e285c09
A simplified approach for determination of inflection points of flattening filter-free photon beam using in-house devel	Sharma S., Radiological Safety Division, Atomic Energy Regulatory Board, Maharashtra, Anushaktinagar, 400 094, Mumbai	Medical and Health Sciences	Journal of Medical Physics	2023	0	0971-6203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176440830&doi=10.4103%2fjmp.jmp_50_23&partnerID=40&md5=336b0d30eb24964e0a2c158055634c4a
Bubble formation at top-submerged nozzles immersed in a quiescent liquid	Sarkar S., Nuclear Recycle Board, Anushaktinagar, Mumbai, 400094, India, Homi Bhabha National Institute, Mumbai, Anus	Engineering Sciences	Progress in Nuclear Energy	2023	3	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159554293&doi=10.1016%2fj.pnucene.2023.104709&partnerID=40&md5=42c54784ae77b2c2903001403b1dee57
Intermediate valence and spin fluctuations near a quantum critical point in CeRu2-xCoxGe2	Pandey S., UGC-DAE Consortium for Scientific Research Mumbai Centre, BARC Campus, Mumbai, 400085, India, Departme	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164585609&doi=10.1103%2fPhysRevB.108.014407&partnerID=40&md5=aa2c5a632ee7cc175264f982263fa94a
Tailoring of microwave power density in an ECR ion source using an optimized ridge coupler	Phogat M., Ion Accelerator Development Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mathew J.V.,	Physical Sciences	Physica Scripta	2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163341092&doi=10.1088%2f1402-4896%2facdcc2&partnerID=40&md5=2f11e78f30001e43150a01154104ad4e
p-T-dependent structural transformations of Zn-monochalcogenides to switch their semiconductor–metal transition:	Das P.K., Indian Institute Engineering Science and Technology, Howrah, Shibpur, 711103, India, The Centre for Earth Evolu	Chemical Sciences	Applied Physics A: Materials Science and Processing	2023	0	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162274469&doi=10.1007%2fs00339-023-06777-w&partnerID=40&md5=08600cf3bd890134f9b3e747d0c221c7
A Mega-Ampere Pulsed Current Generator Using Synchronization of Field Distortion Spark Gap Switches	Kanchi S., Bhabha Atomic Research Centre, Visakhapatnam, 531011, India, Homi Bhabha National Institute, Mumbai, 4000	Engineering Sciences; Physical Sciences	IEEE Transactions on Plasma Science	2023	2	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164822562&doi=10.1109%2fTPS.2023.3285107&partnerID=40&md5=861902fd60365dee0c418d78cd8fd8ee
Volatile changes associated with fresh-cut jackfruit during storage	Adiani V., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Gupta S., Food Technology Division,	Life Sciences	Flavour and Fragrance Journal	2023	0	0882-5734	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159693990&doi=10.1002%2fffj.3749&partnerID=40&md5=0b7e7347f38bfb7b786ae8e1f846c738
The inner mitochondrial membrane fission protein MTP18 serves as a mitophagy receptor to prevent apoptosis in ora	Panigrahi D.P., Cancer and Cell Death Laboratory, Department of Life Science, National Institute of Technology Rourkela, C	Life Sciences	Journal of Cell Science	2023	5	0021-9533	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164300760&doi=10.1242%2fjcs.259986&partnerID=40&md5=6720e23972f01a36b443d8d67203773f
Manganese cobalt-MOF@carbon nanofiber-based non-enzymatic histamine sensor for the determination of food fres	Dey B., Department of Chemical Engineering, Birla Institute of Technology, Ranchi, 835215, India; Ahmad M.W., Departme	Chemical Sciences	Analytical and Bioanalytical Chemistry	2023	22	1618-2642	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160240565&doi=10.1007%2fs00216-023-04737-0&partnerID=40&md5=5feb3ef9eea2190693d163a16ea5e750
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Quick Classification and Prediction of CO2, NH3, H2S, and NO2 Gases from Their Mixture Using a ZnO Nanowire-Based	Sinju K.R., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Ins	Physical Sciences	Journal of Electronic Materials	2023	0	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153390102&doi=10.1007%2fs11664-023-10419-5&partnerID=40&md5=d00538256b838a2179e96e6f0f0caaf3
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Hydrazones tethered disubstituted 1,2,3-triazoles: Design, synthesis, antitubercular and antimicrobial evaluation	Yadav A., Department of Chemistry, Guru Jambheshwar University of Science and Technology, Haryana, Hisar, 125001, In	Chemical Sciences	Journal of Molecular Structure	2023	4	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149683116&doi=10.1016%2fj.molstruc.2023.135163&partnerID=40&md5=35f42ffa0f50d5d948714b975f290ca3
Reliable liquified petroleum gas sensing at room temperature by nanocrystalline SnO2 thin film deposited by Langmui	Shah A.Y., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Choudhury S., Chemistry Division	Chemical Sciences; Engineering Sciences	Applied Physics A: Materials Science and Processing	2023	1	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163140386&doi=10.1007%2fs00339-023-06767-y&partnerID=40&md5=601817c91869a526d17f322692e4dec7
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High Valent Mercury Fluoride Ions	Jayasekharan T., Atomic and Molecular Physics Division, Physics Group, Bhabha Atomic Research Centre Trombay, Mumba	Physical Sciences	ChemPhysChem	2023	0	1439-4235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159321382&doi=10.1002%2fcphc.202300036&partnerID=40&md5=32a3aa139e47a0a00d807a2f4123dfa0
Analysis of occupational radiation dose data and determination of suitable probability distribution	Patil S., Radiological Physics & Advisory Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Baksi	Physical Sciences	Radiation Protection Dosimetry	2023	0	0144-8420	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164241845&doi=10.1093%2frpd%2fncad160&partnerID=40&md5=251a63606d1a433037590aaaf9216fda
Molecular Precursor-Driven Synthesis of Copper Telluride Nanostructures for LIB Anode Application	Kushwah N., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Kedarnath G., Chemistry Divisi	Chemical Sciences; Engineering Sciences	Inorganic Chemistry	2023	5	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162205641&doi=10.1021%2facs.inorgchem.3c00269&partnerID=40&md5=cb3b612de177fa6ec33c9af06774532f
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Shell effect on fission fragment mass distribution at Ecn∗ up to 70 MeV: Role of multichance fission	Santra S., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences; Physical Sciences	Physical Review C	2023	3	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163981816&doi=10.1103%2fPhysRevC.107.L061601&partnerID=40&md5=92f12eb875dde1114a0ce2dfb6db4cc9
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Systematic study of (p, n) and (p, 2n) reactions on 110Cd	Vashi V., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, 390002, India	Physical Sciences	Radiation Physics and Chemistry	2023	2	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151785543&doi=10.1016%2fj.radphyschem.2023.110933&partnerID=40&md5=657348b65ca99c9c5b798dd72fa010c1
Copper decorated graphyne as a promising nanocarrier for cisplatin anti-cancer drug: A DFT study	Deb J., Department of Physics, Assam University, Assam, Silchar, 788011, India, Advanced Computation and Data Sciences	Physical Sciences	Applied Surface Science	2023	8	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149779023&doi=10.1016%2fj.apsusc.2023.156885&partnerID=40&md5=b14bfd8c5b71d5fe77058403fe5f1a3c
Spectroscopic Investigation of Structural Perturbations in CsPbCl3 Perovskite Nanocrystals: Temperature- and Excitati	Shukla A., Institute of Nano Science and Technology, SAS Nagar, Sector 81, Punjab, Mohali, 140306, India; Kaur G., Institut	Chemical Sciences	ACS Photonics	2023	2	2330-4022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162867259&doi=10.1021%2facsphotonics.3c00345&partnerID=40&md5=6157e5b7ad9520e7e3472428633c6662
Ligand engineering with heterocyclic aromatic thiol doped carbon quantum dots	Anthony A.M., Department of Physical Chemistry, School of Chemical Science, University of Madras, Guindy Campus, Chen	Physical Sciences	Carbon	2023	5	0008-6223	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158913979&doi=10.1016%2fj.carbon.2023.118086&partnerID=40&md5=e4034a0795cbb9baf2ff6be096c0331f
Ultrasound assisted seed preparation and subsequent application for desupersaturation of calcium sulphate as a mea	Banakar V.V., Chemical Engineering Department, Institute of Chemical Technology, N.P. Marg, Matunga, Mumbai, 400 019	Engineering Sciences	Journal of Environmental Chemical Engineering	2023	0	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156161424&doi=10.1016%2fj.jece.2023.110026&partnerID=40&md5=3f7c4ec4273347f546f9aba384c6b204
Ti-decorated nitrogen-rich BeN4 monolayer for reversible hydrogen storage: DFT investigations	Trivedi R., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai,	Physical Sciences	Applied Surface Science	2023	15	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149651480&doi=10.1016%2fj.apsusc.2023.156806&partnerID=40&md5=3ca0c9edbc83e88ca3f16414c6770c20
Coupled Ion-Conduction Mechanism for Enhanced Ionic Conductivity in Mg2B2O5 Nanowires Enabled Poly(ethylene o	Sharma S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Chemical Sciences	Journal of Physical Chemistry C	2023	2	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164379736&doi=10.1021%2facs.jpcc.3c02575&partnerID=40&md5=8fc3131b23edfe123de23e5e6e6ab79a
Single-Molecule Orientation Imaging Reveals Two Distinct Binding Configurations on Amyloid Fibrils	Sarkar A., Radiation & Photochemistry Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	Journal of Physical Chemistry Letters	2023	5	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160964876&doi=10.1021%2facs.jpclett.3c00823&partnerID=40&md5=2f8c7b4b9c515adcc9d4ff5e8ea48c92
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Post-synthetic modulation of UiO-66-NH2 with a cobaloxime catalyst for efficient hydrogen production	Sk S., Department of Energy & Environmental Engineering, CSIR-Indian Institute of Chemical Technology, Hyderabad, 5000	Chemical Sciences	Energy Advances	2023	5	2753-1457	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164335119&doi=10.1039%2fd3ya00151b&partnerID=40&md5=97c9cb7066d1a9235306f45ba2b2497c
Investigation of Photoelectrocatalytic and Magnetic Properties of Sr2YbRu1-xTaxO6 (x = 0, 0.25, 0.5, 0.75, and 1)	Sarkar A., Department of Chemistry, Indian Institute of Technology Delhi, New Delhi, 110016, India; Das A., Department o	Chemical Sciences	Inorganic Chemistry	2023	1	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163920654&doi=10.1021%2facs.inorgchem.2c04256&partnerID=40&md5=2bcac781a62202ef770b42ae331880ad

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Sorption behavior studies of Cs and its migration in soil samples around Visakhapatnam, India	Maity S., Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Sa	Chemical Sciences; Engineering Sciences	Environmental Monitoring and Assessment	2023	1	0167-6369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159702086&doi=10.1007%2fs10661-023-11320-8&partnerID=40&md5=94101f148daae14efe2408f61b63d473
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An alternate left-right symmetric model with Dirac neutrinos	Maharathy S.P., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, BAR	Physical Sciences	European Physical Journal C	2023	0	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161161353&doi=10.1140%2fepjc%2fs10052-023-11653-1&partnerID=40&md5=733fadcf296261308a456bee2ad2a513
Investigation of the Thermal Properties of Alkali Metal Thorium Phosphates and Their Application for the Sorption of	Patkare G., Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Shafeeq M., Fuel	Chemical Sciences	European Journal of Inorganic Chemistry	2023	2	1434-1948	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152666684&doi=10.1002%2fejic.202300140&partnerID=40&md5=f17dd6e0f8ff1a3112b01f414f352a8a
Determination of thermochemical properties of lead vanadates	Aiswarya P.M., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nati	Chemical Sciences	Journal of Thermal Analysis and Calorimetry	2023	0	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153041954&doi=10.1007%2fs10973-023-12116-1&partnerID=40&md5=246789142350e44fe492c61e18297bee
Thermal Expansion and Elastic Properties of Th–6U–4Zr Alloy	Kumar U., Post Irradiation Examination Division, Bhabha Atomic Research Centre (BARC), Mumbai, 400085, India, Homi Bh	Chemical Sciences	Transactions of the Indian Institute of Metals	2023	0	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148092442&doi=10.1007%2fs12666-022-02839-4&partnerID=40&md5=cec7019a067d2cac9f3ae784da7d09ea
Chitosan based radiation crosslinked and grafted matrix: An environment friendly adsorbent for dye uptake	Kumar S., Government V.Y.T. PG Autonomous College; Durg, Chhattisgarh, India; Tiwari A., Government V.Y.T. PG Autonor	Chemical Sciences	Radiation Physics and Chemistry	2023	5	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150072986&doi=10.1016%2fj.radphyschem.2023.110876&partnerID=40&md5=b75826be33fe1ea17a98b22321013b4c
Contrasting complexation behaviour of zwitterionic amyloid probe, SYPRO orange with β-cyclodextrin and captisol	Mora A.K., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Hom	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	0	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151468243&doi=10.1016%2fj.jphotochem.2023.114712&partnerID=40&md5=c10af7498eae365a5f5d2742429f1fe5
Sorption of long-lived 94Nb on magnetite: spectroscopic and electrochemical investigation of the associated mechani	Ghosh M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Yadav A.K., Atomic and	Chemical Sciences; Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	0	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151376258&doi=10.1007%2fs10967-023-08867-8&partnerID=40&md5=bd74c57c3df449bc35eb761a5b7ce006
A 2D Cu(ii) coordination polymer constructed with 2,5-pyridinedicarboxylic acid linker: synthesis, structural analysis a	Karmakar G., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute	Chemical Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166168796&doi=10.1039%2fd3nj01906c&partnerID=40&md5=941cf703706bff5fea6ccbc3d47e70e9
Polyethylene terephthalate track etched membrane for recovery of helium from helium-nitrogen system	Nailwal B.C., Desalination & Membrane Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085	Engineering Sciences; Physical Sciences	Express Polymer Letters	2023	0	1788-618X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153562567&doi=10.3144%2fexpresspolymlett.2023.44&partnerID=40&md5=e6f181c1f234a16652ac61cc56642ae8
Study of physico-chemical properties of Cu2NiSnS4 thin films	Kolhe P., Department of Physics, Fergusson College (Autonomous), Maharashtra, Pune, 411004, India; Musmade B.B., Dep	Engineering Sciences	Modern Physics Letters B	2023	0	0217-9849	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150154490&doi=10.1142%2fS0217984923400079&partnerID=40&md5=4e3b3084545141effd3625c205e3e8fe
Self-assembly modulation in star block copolymers by amphiphilic diol: A scattering insight	Patel A., Department of Chemistry, Navyug Science College, Rander Road, Surat- 395009, Gujarat, India; Ray D., Solid State	Physical Sciences	Journal of Molecular Liquids	2023	4	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151304373&doi=10.1016%2fj.molliq.2023.121726&partnerID=40&md5=2d7f51c24b4b2430f9a5812011d2d065
Encapsulation of curcumin in alginate microbeads (AMB) for control release of curcumin	Shaikh S.A.M., Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Barik A.,	Chemical Sciences	Journal of Chemical Sciences	2023	6	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156216897&doi=10.1007%2fs12039-023-02159-0&partnerID=40&md5=abe83180f3a340e084a0c07c0e0f1b46
Study of thermal, structural, microstructural, vibrational and elastic properties of MnxMg0.8–xZn0.2Fe2O4 (0.1 ≤ x≤ 0	Prasad S.A.V., Nanomaterials and Nanomagnetism Research Laboratory, Department of Physics, Sasi Institute of Technolo	Physical Sciences	Ceramics International	2023	9	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151261364&doi=10.1016%2fj.ceramint.2023.03.170&partnerID=40&md5=af05349d0d76e584b3f7a4d996559c02
Biochemical separation of Cetuximab-Fab from papain-digested antibody fragments and radiolabeling with 64Cu for p	Chakravarty R., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi	Chemical Sciences; Engineering Sciences	Applied Radiation and Isotopes	2023	1	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151260318&doi=10.1016%2fj.apradiso.2023.110795&partnerID=40&md5=6ec2c17e2f762fd2caa6c250628dad91
Successive, overlapping transitions and magnetocaloric effect in Te doped Ni-Mn-Sn Heusler alloys	Archana R., International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Tamilnadu, Chenna	Physical Sciences	Journal of Alloys and Compounds	2023	2	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149723035&doi=10.1016%2fj.jallcom.2023.169434&partnerID=40&md5=bf8c77b46ebf28dbf159164c89fa9b0e
Establishment of ex vivo calibration curve for X-ray induced “dicentric + ring” and micronuclei in human peripheral ly	Vijayalakshmi J., Department of Human Genetics, Sri Ramachandra Institute of Higher Education and Research (DU), Chen	Life Sciences; Physical Sciences	Heliyon	2023	0	2405-8440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161046382&doi=10.1016%2fj.heliyon.2023.e17068&partnerID=40&md5=a235b416b193516df6af99a2fa72e062
Assessment of Macronutrients and Physicochemical Parameters of Agricultural Soils in Nawanshahr-Hoshiarpur Distri	Shikha D., Departmet of Physics, Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, 140 118, India; Dadwal V., Dep	Chemical Sciences	Indian Journal of Pure and Applied Physics	2023	1	0019-5596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182353370&doi=10.56042%2fijpap.v61i6.2408&partnerID=40&md5=450383beb6db42dd3c0d35119aed39f9
Measurement of Direct-Photon Cross Section and Double-Helicity Asymmetry at s =510 GeV in p → + p → Collisions	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State University, A	Physical Sciences	Physical Review Letters	2023	6	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164137210&doi=10.1103%2fPhysRevLett.130.251901&partnerID=40&md5=e5364ce9a7c3d18bcc65c7bb1fcb08bb
A Single Step Acid Assisted Microwave Digestion Method for the Complete Dissolution of Bauxite and Quantitation of	Prasad A.D., National Centre for Compositional Characterisation of Materials, Bhabha Atomic Research Centre, ECIL Post,	Chemical Sciences	Geostandards and Geoanalytical Research	2023	4	1639-4488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152527250&doi=10.1111%2fggr.12481&partnerID=40&md5=d4337651483b818f7a2c353eebccaf7d
Calibration free laser ablation molecular isotopic spectrometry (CF-LAMIS) for boron isotopic composition determinat	Mohan A., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400, India; Banerjee A., Fuel Chemistry Division, Bha	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	3	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164362780&doi=10.1039%2fd3ja00122a&partnerID=40&md5=e7b147de1eca21d0e4d5cde2e2d3efc5
Sol-gel mediated synthesis and characterization of hierarchically porous Fe2O3/SiO2 monolithic catalyst for high temp	Kumar N., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Banerjee A.M., Chemistry Division	Chemical Sciences; Physical Sciences	Catalysis Communications	2023	1	1566-7367	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158892477&doi=10.1016%2fj.catcom.2023.106686&partnerID=40&md5=273f17969cf6ad460a2b21b0a09bbe84
Targeting HER2-receptors with 177Lu-labeled triazole stapled cyclic peptidomimetic	Kumar Sharma A., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National	Chemical Sciences; Life Sciences	Bioorganic Chemistry	2023	4	0045-2068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152677633&doi=10.1016%2fj.bioorg.2023.106503&partnerID=40&md5=9809dc35a143285eaf0698e2dad0bd76
Measurements of continuous spectra of photons from 4/6 MeV dual energy e-LINAC	Kumar A., Nuclear Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Mishra G., Nuclear	Physical Sciences	Radiation Physics and Chemistry	2023	0	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151247795&doi=10.1016%2fj.radphyschem.2023.110930&partnerID=40&md5=25870c178aa5d7e5baff510a8ca410a7
4E analysis and optimization of novel ejector-enhanced organic Rankine cycles by introducing new economic models	Srivastava M., Department of Mechanical Engineering, Indian Institute of Technology (B.H.U.), UP, Varanasi, 221005, India	Engineering Sciences	Thermal Science and Engineering Progress	2023	5	2451-9049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153677566&doi=10.1016%2fj.tsep.2023.101855&partnerID=40&md5=7dc62c38213e0c74ac1136f12d6f8adc
Understanding the correlation of microscopic structure and macroscopic properties of multi-component glass through	Sahu P., Chemical Engineering Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute,	Chemical Sciences	Journal of Chemical Sciences	2023	4	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152552569&doi=10.1007%2fs12039-023-02143-8&partnerID=40&md5=1b2915d8ec593dd14d14bc8840c2fffa
Experimental evidence of large collective enhancement of nuclear level density and its significance in radiative neutro	Santhosh T., Nuclear Physics Division, Bhabha Atomic Reserch Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Na	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154617088&doi=10.1016%2fj.physletb.2023.137934&partnerID=40&md5=89e3c3f6690bbd609febde8467c24b6e
Interplay between the Pore Network Modifications and Dynamics of Confined Polyethyleneimine in Self-Assembled P	Sharma S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Chemical Sciences; Physical Sciences	Journal of Physical Chemistry C	2023	2	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160694763&doi=10.1021%2facs.jpcc.3c01327&partnerID=40&md5=f854f828eff59ba20b1b6e2c46677e48
Anisotropy study of hydrogen diffusion along different directions of Zr-2.5%Nb alloy pressure tube using neutron ima	Shukla S., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, Mu	Engineering Sciences; Physical Sciences	Journal of Nuclear Materials	2023	3	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151243617&doi=10.1016%2fj.jnucmat.2023.154414&partnerID=40&md5=178bc4d8c247bfaeefbf7e88cd6f1889
Transverse single-spin asymmetry of midrapidity π0 and η mesons in p+Au and p+Al collisions at sNN =200 GeV	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State University, A	Physical Sciences	Physical Review D	2023	0	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163488281&doi=10.1103%2fPhysRevD.107.112004&partnerID=40&md5=e2b3b81153f83523d1bf787995ca509f
Design and development of low density, high strength ZrNbAlVTi high entropy alloy for high temperature applications	Chakraborty P., Materials Science Division, Bhabha Atomic Research Center, Mumbai, India; Sarkar A., Mechanichal Metal	Chemical Sciences; Engineering Sciences	International Journal of Refractory Metals and Hard Materials	2023	15	0263-4368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152234618&doi=10.1016%2fj.ijrmhm.2023.106222&partnerID=40&md5=5095650a2a3a8ccbd69058c82ae6aced
Surface modification of multiwalled carbon nanotubes network through high energy electron beam and its implicatio	Chaudhary N., Accelerator & Pulse Power Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabh	Chemical Sciences; Physical Sciences	Materials Science and Engineering: B	2023	3	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152142629&doi=10.1016%2fj.mseb.2023.116464&partnerID=40&md5=846574a89961972d7ad4bca676ae2ee7
Selective Extraction of Thorium(IV) from Uranium and Rare Earth Elements Using Tetraphenylethane-1,2-diylbis(phos	Saha A., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Kumari K., Radioana	Chemical Sciences; Physical Sciences	Inorganic Chemistry	2023	7	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163921144&doi=10.1021%2facs.inorgchem.3c00359&partnerID=40&md5=f9d27f880bce75e50a35c47da92a4b44
Comparison of 99mTc-methylenediphosphonate and 68Ga-BPAMD PET/computed tomography imaging in bone meta	Vatsa R., Department of Nuclear Medicine, Postgraduate Institute of Medical Education and Research, Chandigarh, India;	Chemical Sciences; Engineering Sciences	Nuclear Medicine Communications	2023	2	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159267831&doi=10.1097%2fMNM.0000000000001685&partnerID=40&md5=c9bafcc3281bebc82f2d31403b374162
Anisotropic electrical properties of 200 MeV Ag+15 ion irradiated manganite films	Udeshi B., Department of Physics, Saurashtra University, Rajkot, 360005, India; Hirpara B., Department of Physics, Saurash	Physical Sciences	Materials Chemistry and Physics	2023	0	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151238792&doi=10.1016%2fj.matchemphys.2023.127688&partnerID=40&md5=a3aa0ceebe6442a96d668db24329a719
High-Throughput Screening of the CoRE-MOF-2019 Database for CO2 Capture from Wet Flue Gas: A Multi-Scale Mode	Kancharlapalli S., Department of Chemical and Biological Engineering, Northwestern University, Evanston, 60208, IL, Unite	Chemical Sciences	ACS Applied Materials and Interfaces	2023	17	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162905248&doi=10.1021%2facsami.3c04079&partnerID=40&md5=15c806fe9d52c7f0a25c5ca6a125da03
Biogenic synthesis, characterization and application of silver nanoparticles as biostimulator for growth and rebaudiosi	Laha S., Crop Research Unit (Genetics and Plant Breeding), Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Benga	Life Sciences	Industrial Crops and Products	2023	14	0926-6690	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150880222&doi=10.1016%2fj.indcrop.2023.116520&partnerID=40&md5=55931ee1ccaf2a2ed5897c498661c0f5
Solution processable polypyrrole nanotubes as an alternative hole transporting material in perovskite solar cells	Jha P., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institut	Physical Sciences	Materials Today Communications	2023	3	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153177409&doi=10.1016%2fj.mtcomm.2023.105994&partnerID=40&md5=60e07127bac2761f22f94dd4fbe521c1
Structural characterization, defect evolution and luminescence properties of natural CaF2 under 10 MeV electron irra	Banerjee R.H., Materials Science Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Alexander	Chemical Sciences; Engineering Sciences	Ceramics International	2023	6	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151451167&doi=10.1016%2fj.ceramint.2023.03.261&partnerID=40&md5=d9876624e8140d766629bc3b7bed9086
Effects of hydrogen bonding on intramolecular/intermolecular proton-coupled electron transfer using a Ruthenium-a	Dey A., Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Campus Road, West	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	0	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151480361&doi=10.1016%2fj.jphotochem.2023.114709&partnerID=40&md5=032faef137decdb9cca1b66b532572f7
Unusual Spin States in Noble Gas Inserted Noble Metal Halocarbenes, FNgCM (Ng = Kr, Xe, Rn; M = Cu, Ag, Au)	Kuntar S.P., Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai, 400 094, India, Bio-Scie	Chemical Sciences	Journal of Physical Chemistry A	2023	1	1089-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163668842&doi=10.1021%2facs.jpca.3c02163&partnerID=40&md5=7adac8fe3829fec0c0f3b0c85f8cca79
Magneto-dielectric signature of Gd3+-substituted PbMg1/3Nb2/3O3 ceramics	Pandey A.H., Metallurgical Engineering and Materials Science, Indian Institute Technology of Bombay, Mumbai, 400076, I	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	0	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161966170&doi=10.1007%2fs10854-023-10769-0&partnerID=40&md5=82c3023980a27e64190df0effd836b98
Transition metal atoms anchored 2D holey graphyne for hydrogen evolution reaction: Acumen from DFT simulation	Chodvadiya D., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Gujarat, Vadodara	Physical Sciences	International Journal of Hydrogen Energy	2023	20	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148377143&doi=10.1016%2fj.ijhydene.2023.01.246&partnerID=40&md5=3201a07e475c81a36cb45eb3884da49a
Investigation of the low- and medium-spin level structure in As 77	Mondal A.K., Department of Physics, Siksha Bhavana, Visva-Bharati University, West Bengal, Santiniketan, 731 235, India,	Engineering Sciences	Physical Review C	2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164203198&doi=10.1103%2fPhysRevC.107.064320&partnerID=40&md5=2be498108cf7dcd01462c90e488472fb
Bioactive compounds in Layacha brown rice (Oryza sativa L.) improve immune responses in mice via activation of tran	John S., Department of Genetics and Plant Breeding, Indira Gandhi Krishi Vishwavidyalaya, Raipur, 492012, India, Radiatio	Life Sciences	Food Bioscience	2023	1	2212-4292	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161037108&doi=10.1016%2fj.fbio.2023.102785&partnerID=40&md5=8ed2d9d7201f33757582b8b5df9ad1b2
Electronic structure and reactivity of dehydrobenzo[n]annulene incorporated two-dimensional metal-organic framew	Kancharlapalli S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, Mu	Chemical Sciences	Journal of Chemical Sciences	2023	0	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160003130&doi=10.1007%2fs12039-023-02165-2&partnerID=40&md5=f4fa74960777a2259d0a902c16684556
Phylogenomics of transcriptionally active AP2/ERF and bHLH transcription factors and study of their promoter regions	Godbole R.C., Department of Botany, Savitribai Phule Pune University, Pune, 411007, India; Kadam S.B., Department of Bo	Life Sciences	Genome	2023	0	0831-2796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169504105&doi=10.1139%2fgen-2023-0009&partnerID=40&md5=5f14aa20c8548821964e08b812aed627
Topological phonons and low lattice thermal conductivity of Li2CaX (X = Sn and Pb) type Heusler compounds	Sharma V.K., Department of Physics, Indian Institute of Technology Hyderabad, Kandi, Telangana, Sangareddy, 502285, In	Physical Sciences	Materials Today Communications	2023	0	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161314028&doi=10.1016%2fj.mtcomm.2023.106289&partnerID=40&md5=7cd7e54775c31d27896f126dabe97ee1
Pluronic Induced Interparticle Attraction and Re-entrant Liquid-Liquid Phase Separation in Charged Silica Nanoparticle	Kumar S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ganguly R., Chemistry Div	Chemical Sciences; Physical Sciences	Langmuir	2023	5	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163260916&doi=10.1021%2facs.langmuir.3c00491&partnerID=40&md5=8c2bbac349779a31b613a6cfa86ec41a
Selective detection of Cd (II) and Cr (VI) ions using rGO functionalized metal doped SnO2 nanocomposites	Choudhari U., Department of Electronic and Instrumentation Science, Savitribai Phule Pune University, Pune, 411007, Indi	Physical Sciences	Microchemical Journal	2023	6	0026-265X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152098071&doi=10.1016%2fj.microc.2023.108728&partnerID=40&md5=7ee309c2c8a6cbf654906b5e4ce05e65
Gamma Phase Stability in U–Mo Alloys	Rakesh R., Metallic Fuels Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Engineering Sciences	Transactions of the Indian Institute of Metals	2023	0	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150522178&doi=10.1007%2fs12666-023-02911-7&partnerID=40&md5=02d18ad0e6503153637ff15f2613913a
A dual responsive ionic liquid-based polymeric hydrogel: a promising drug delivery vehicle for the treatment of breast	Pansuriya R., Ionic Liquids Research laboratory, Department of Chemistry, Sardar Vallabhbhai National Institute of Techno	Physical Sciences	New Journal of Chemistry	2023	8	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166101742&doi=10.1039%2fd3nj01914d&partnerID=40&md5=7ed292abe67b5c1ad9a82d6d1842f728
Experimentation, modeling and optimisation studies of an integrated-packed bed reactor (PBR) for the decompositio	Sujeesh S., Chemical Technology Division, Bhabha Atomic Research Centre (BARC), Mumbai, 400085, India, Homi Bhabha	Engineering Sciences	International Journal of Hydrogen Energy	2023	2	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152673904&doi=10.1016%2fj.ijhydene.2023.02.085&partnerID=40&md5=ef2aae11be6c4e2ea084762f93b6d486
Polyacrylonitrile support impregnated with amine-functionalized graphitic carbon nitride/magnetite composite nanof	Tripathy M., Department of Chemistry, NIT Rourkela, Odisha, 769008, India; Padhiari S., Department of Chemistry, NIT Ro	Chemical Sciences	Journal of Colloid and Interface Science	2023	4	0021-9797	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149738325&doi=10.1016%2fj.jcis.2023.02.104&partnerID=40&md5=91628df947de83e99d6f3c36da789be4
Glutathione-Capped Hollow Silver Nanoparticles: Optimization of Surface Plasmon Resonance, Photothermal Effect, a	Bhavsar C., Department of Pharmaceutics, SVKM’s Dr Bhanuben Nanavati College of Pharmacy, Vile Parle West, Mumbai,	Chemical Sciences	ACS Applied Nano Materials	2023	2	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162902393&doi=10.1021%2facsanm.3c00921&partnerID=40&md5=773afe81c9477a3f0b30686c02997890
Efficient Charge Transfer in the Perovskite Quantum Dot-Hemin Biocomposite: Is This Effective for Optoelectronic Ap	Sayyad U.S., Institute of Chemical Technology Mumbai, Maharashtra, Jalna, 431203, India; Burai S., Institute of Chemical T	Chemical Sciences	Journal of Physical Chemistry Letters	2023	5	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162900492&doi=10.1021%2facs.jpclett.3c00894&partnerID=40&md5=f163ed4b86fd6bb9aa30bd6ea0971c8e
Experimental observation of spin glass state in the highly disordered quaternary Heusler alloy FeRuMnGa	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata, 700064, India,	Physical Sciences	Physical Review B	2023	11	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158875146&doi=10.1103%2fPhysRevB.107.184408&partnerID=40&md5=33be01623e50aeaca3349bb6150c2119
A combined powder x-ray and neutron diffraction studies on (1-x) NaNbO3-x Na0.50Bi0.50TiO3 solid solution	Jayakrishnan V.B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nat	Physical Sciences	Journal of Solid State Chemistry	2023	4	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151029503&doi=10.1016%2fj.jssc.2023.123996&partnerID=40&md5=8bbcdb26e3a056d6e223a9702758eafa
Acid-Resistant Luminescent Si/UiO-66-Amidoxime (AO) Nanostructures for Rapid and Efficient Recovery of U(VI): Expe	Vaddanam V.S., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India, Mate	Chemical Sciences	ACS Applied Nano Materials	2023	5	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161018172&doi=10.1021%2facsanm.3c00477&partnerID=40&md5=973bb6110081dbc57047e42679fd42cb
Structure, rheology, and 3D printing of salt-induced κ-carrageenan gels	Patel P., Department of Chemical engineering, Dr. Kiran C. Patel Centre for Sustainable Development, Indian Institute of T	Physical Sciences	Materials Today Communications	2023	6	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150418713&doi=10.1016%2fj.mtcomm.2023.105807&partnerID=40&md5=1aa6c0c9d63798fa605cbf8b46063ca4
Amphiphilic interaction-mediated ordering of nanoparticles in Pickering emulsion droplets	Sen D., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Insti	Chemical Sciences; Physical Sciences	Soft Matter	2023	3	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160423737&doi=10.1039%2fd2sm01544g&partnerID=40&md5=86c5c0f3cb790599433c3d2e4d4bf102
Influence of ion irradiation on the surface electronic structure of epitaxial lanthanum nickelate films	Sharma V., Centre for Nanoscience and Nanotechnology, Block-II, South Campus, Panjab University, Sector-25, Chandigar	Physical Sciences	Surfaces and Interfaces	2023	1	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150467045&doi=10.1016%2fj.surfin.2023.102776&partnerID=40&md5=ca14199959f0da6c2336e015b2fa62b3
Insights into Plasmon-Induced Dimerization of Rhodanine-A Surface-Enhanced Raman Scattering Study	Kumar N., Infrared Laser Spectroscopy Section, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Maiti	Chemical Sciences	Journal of Physical Chemistry A	2023	2	1089-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160199766&doi=10.1021%2facs.jpca.3c00902&partnerID=40&md5=c6b921884ffe84e9783f08ea41d600f4
Determination of Curcumin on Functionalized Carbon Nano Tube Modified Electrode and Probing its Interaction with	Sahoo S., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Satpati A.K., A	Chemical Sciences	Journal of Analysis and Testing	2023	6	2096-241X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144967041&doi=10.1007%2fs41664-022-00242-y&partnerID=40&md5=eeca0e7d8d0d723a26fae589e9af096d
Redox Potentials of Uranyl Ions in Macrocyclic Complexes: Quantifying the Role of Counter-Ions	Sundararajan M., Theoretical Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, I	Chemical Sciences	ACS Omega	2023	3	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160906528&doi=10.1021%2facsomega.3c01244&partnerID=40&md5=154c14297ff98fb1cad1977eef397cf1
Coupling Single-Ni-Atom with Ni-Co Alloy Nanoparticle for Synergistically Enhanced Oxygen Reduction Reaction	Saifi S., Department of Sciences & Humanities, Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Uttar Pradesh	Physical Sciences	Inorganic Chemistry	2023	10	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160856286&doi=10.1021%2facs.inorgchem.3c00584&partnerID=40&md5=214215c4cfa1f32922a3d164f808fcbb
Malabaricone C, a constituent of spice Myristica malabarica, exhibits anti-inflammatory effects via modulation of cell	Patwardhan R.S., Radiation Biology and Health Sciences Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400	Life Sciences	Journal of Biosciences	2023	1	0250-5991	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151043784&doi=10.1007%2fs12038-023-00329-3&partnerID=40&md5=c5ba5635ec9901025a398b90008d8d4c
Cation–Oxygen Bond Covalency: A Common Thread and a Major Influence toward Air/Water-Stability and Electroche	Kumar B.S., Advanced Batteries and Ceramics Laboratory, Department of Metallurgical Engineering and Materials Science,	Physical Sciences	Advanced Energy Materials	2023	11	1614-6832	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152065785&doi=10.1002%2faenm.202204407&partnerID=40&md5=ffeb639221e8669a98a3862b02a378de
Compatible and energy conserving multi-material arbitrary Lagrangian Eulerian scheme for multi-group radiation hyd	Sijoy C.D., Computational Analysis Division, Bhabha Atomic Research Centre (BARC), Visakhapatnam, India, Homi Bhabha	Physical Sciences	Computer Physics Communications	2023	1	0010-4655	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148684473&doi=10.1016%2fj.cpc.2023.108695&partnerID=40&md5=62498fa87eb0e2e79e2bd177a191f600
Ni3InSb: Synthesis, Crystal Structure, Electronic Structure, and Magnetic Properties	Kuila S.K., Department of Chemistry, IIT Kharagpur, Kharagpur, 721302, India; Harshit N., Department of Chemistry, IIT Kh	Physical Sciences	Inorganic Chemistry	2023	1	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159577340&doi=10.1021%2facs.inorgchem.3c00428&partnerID=40&md5=66642017ab6de4cba984c5a8040f3a23
Application of Multi Parameter Path Length Method for Resilience (MP-PLMR) to Engineering Systems	Prasad M., Bhabha Atomic Research Centre, Mumbai, 400 085, India; Gopika V., Bhabha Atomic Research Centre, Mumba	Engineering Sciences	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B	2023	0	2332-9017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144108024&doi=10.1115%2f1.4055290&partnerID=40&md5=195a78e4ca9dd2af5a028ab8ea2d7516
A Conceptual Catalytic Receiver Reactor for Solar Thermal Sulfuric Acid Decomposition	Tripathi V.M., Hydrogen Energy and Catalysis Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 4000	Chemical Sciences	Energy Technology	2023	2	2194-4288	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150190163&doi=10.1002%2fente.202201197&partnerID=40&md5=8f020b556ba63cc1b57b178e3edd2275
Theoretical studies on the mechanism, kinetics, and degradation pathways of auxin mimic herbicides by •OH radical i	Upadhyaya H.P., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, HBNI, Mumbai, Trombay, 400 085	Chemical Sciences	Structural Chemistry	2023	2	1040-0400	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138163350&doi=10.1007%2fs11224-022-02055-2&partnerID=40&md5=a9d524b1bff0c7d149a9ad04457ce771
Experimental investigation of the structural features of polycarbonate (PC) filled with bismuth nitrate pentahydrate (	Mirji R., Department of Physics, Karnatak University's Karnatak Science College, Karnataka, Dharwad, 580 001, India; Lobo	Chemical Sciences	Applied Radiation and Isotopes	2023	2	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149860387&doi=10.1016%2fj.apradiso.2023.110773&partnerID=40&md5=2cdcce3ca6b2102ab44b8343e7822b7a
Pressure-induced antiferromagnetic-tetragonal to nonmagnetic-collapse-tetragonal insulator-metal transition in ThM	Sen S., Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, Ville	Physical Sciences	Journal of Materials Science	2023	1	0022-2461	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159449815&doi=10.1007%2fs10853-023-08556-7&partnerID=40&md5=0c88bf49ac6a0d390da662ddb9be2f24
FOIL ACTIVATION TECHNIQUE-A TOOL FOR THE EVALUATION OF PHOTO-NEUTRON DOSE IN RADIOTHERAPY	Sathian D., Radiological Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai, 400071, India, Homi Bha	Physical Sciences	Radiation protection dosimetry	2023	0	1742-3406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159553841&doi=10.1093%2frpd%2fncad054&partnerID=40&md5=7fa5f3cfd3f65b5613bc7418828ed412
Polymer-mediated tuning of the monomer-aggregate equilibrium of a coumarin derivative for ratiometric sensing of	Mal D.K., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Chittela R.K., Applied Genomics Se	Life Sciences	Organic and Biomolecular Chemistry	2023	2	1477-0520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161725293&doi=10.1039%2fd3ob00547j&partnerID=40&md5=f7e1248190d0d3fab25d1395cb6d2550
Self-assembly generation triggered in highly hydrophilic Pluronics® by sugars/ polyols	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gujarat, Sur	Physical Sciences	Journal of Molecular Liquids	2023	2	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150050197&doi=10.1016%2fj.molliq.2023.121614&partnerID=40&md5=f772ce34a7d120416b0203fac5bbb575
Phase relations and lattice parameter trends in Nd3+ −substituted UO2 system under reducing and oxidizing conditio	Nandi C., Radiometallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Phatak R., Fuel Chemistry D	Physical Sciences	Journal of Nuclear Materials	2023	5	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150926781&doi=10.1016%2fj.jnucmat.2023.154396&partnerID=40&md5=06041cbcd8bfcdb9afce4dbd1408416c
Nanocomposites of ZnO Nanostructures and Reduced Graphene Oxide Nanosheets for NO2 Gas Sensing	Pathak A., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Inst	Physical Sciences	ACS Applied Nano Materials	2023	2	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156194801&doi=10.1021%2facsanm.3c00117&partnerID=40&md5=6e8b66e25d729f7624f56c8fd0b56c83
Generation of Photoinduced Phenalenyl-Based Radicals: Towards Designing Reductive C −C Coupling Catalysis	Datta P., Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Nadia, Mohanpur,	Chemical Sciences	ChemPhotoChem	2023	5	2367-0932	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150646374&doi=10.1002%2fcptc.202300033&partnerID=40&md5=11d5986d0a9c7d4b9b27d85cf6582f53
Gamma-irradiation of inulin improves its biological functionality and feasibility as a functional ingredient in synbiotic f	Sudesh, Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Maurya D.K., Radiation Biology & Hea	Life Sciences	Food Chemistry	2023	6	0308-8146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145652359&doi=10.1016%2fj.foodchem.2022.135217&partnerID=40&md5=55a11d9582f71c600e2b94cb0ac55dfc

Experimental and Theoretical Findings of the Concerted Effect of Dual Quantum Dots on a Graphene Matrix for Energ	Mohanty B., Materials Chemistry Department, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, 75101	Physical Sciences	Energy and Fuels	2023	3	0887-0624	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159607509&doi=10.1021%2facs.energyfuels.3c00915&partnerID=40&md5=1d1d0ffa744ca7ba4aee0aeadea7578c
Magnetoelastic coupling with inverse magnetocaloric effect observed in Sr2YRuO6	Saha P., Condensed Matter Physics Division, Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of H	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	2	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151788474&doi=10.1016%2fj.jmmm.2023.170682&partnerID=40&md5=e60fe6722319a589323876883eac4ba6
Generation of map on natural environmental background absorbed dose rate in India	Mishra M.K., Health, Safety and Environment Group, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; J	Chemical Sciences; Engineering Science	Journal of Environmental Radioactivity	2023	4	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149639474&doi=10.1016%2fj.jenvrad.2023.107146&partnerID=40&md5=869b8849eaec66453147698410b96d8b
Effect of Co doping on structural and magnetic properties of kagome like La based cuprate francisite Cu3La(SeO3)2O2	Manna P., Department of Physics, University of Calcutta, 92 A.P.C. Road, Kolkata, 700009, India; Kanthal S., Department o	Physical Sciences	Journal of Applied Physics	2023	2	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159853978&doi=10.1063%2f5.0143157&partnerID=40&md5=9ea7e05e411734fde615c2ef38a1eec2
Thioflavin-T -Incorporated Cerium-ATP Coordination Polymer Nanoparticles: A Promising System for Detection of Ura	Ghosh M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Chemical Sciences	Langmuir	2023	1	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159789402&doi=10.1021%2facs.langmuir.3c00228&partnerID=40&md5=47ba5d324b61d91fa324e4a04bb07b78
Upconverted Nanophosphors for Increasing Efficiency in a Dye-Sensitized Solar Cell	Chouryal Y.N., School of Chemical Science and Technology, Department of Chemistry, Dr. Harisingh Gour University (A Cen	Chemical Sciences	ACS Applied Energy Materials	2023	6	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154611400&doi=10.1021%2facsaem.3c00424&partnerID=40&md5=51d81566d528138f8d3fa713ce800bf3
Improvement of high current performance of Li ion batteries with TiO2 thin film anodes by transition metal doping	Bhasin V., Atomic and Molecular Physics, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Chemical Sciences; Physical Sciences	Journal of Alloys and Compounds	2023	8	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149719232&doi=10.1016%2fj.jallcom.2023.169118&partnerID=40&md5=9e40d64be0ebbb2d5e4f981fef5d5462
2D BN-biphenylene: structure stability and properties tenability from a DFT perspective	Singh M., Department of Physics, Indian Institute of Technology Bombay, Powai, Mumbai, 400076, India; Chakraborty B., I	Physical Sciences	Physical Chemistry Chemical Physics	2023	7	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161698734&doi=10.1039%2fd3cp00776f&partnerID=40&md5=0f90ac57a5733cd5d6c2f199a278ad4a
Pore anisotropy in shale and its dependence on thermal maturity and organic carbon content: A scanning SAXS study	Bahadur J., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National In	Physical Sciences	International Journal of Coal Geology	2023	4	0166-5162	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159854146&doi=10.1016%2fj.coal.2023.104268&partnerID=40&md5=c8c43e4c33a3aac6b850a4ddf3a49b94
Alginate Encapsulation of Shoot Tips and Their Regeneration for Enhanced Mass Propagation and Germplasm Exchang	Subrahmanyeswari T., Crop Research Unit (Genetics and Plant Breeding), Bidhan Chandra Krishi Viswavidyalaya, West Ben	Life Sciences	Sugar Tech	2023	10	0972-1525	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134518677&doi=10.1007%2fs12355-022-01194-4&partnerID=40&md5=3e4b65492a2e475764b87ae364db86e7
Flow synthesis of intrinsically radiolabeled and renal-clearable ultrasmall [198Au]Au nanoparticles in a PTFE microcha	Chakravarty R., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi I	Chemical Sciences; Engineering Science	Chemical Engineering Journal Advances	2023	2	2666-8211	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147229659&doi=10.1016%2fj.ceja.2023.100456&partnerID=40&md5=62e84d0ecf62ff46371dc3daae685524
Evidence of vacancy ordered structures in PuO2−x and AmO2−x from first-principles calculations	Ghosh P.S., Glass and Advanced Materials Division, Bhabha Atomic Research Centre, Mumbai, 400, India, Homi Bhabha Na	Chemical Sciences; Physical Sciences	Physical Chemistry Chemical Physics	2023	1	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160011236&doi=10.1039%2fd3cp00971h&partnerID=40&md5=939ba71b02a503e19084b91ba224ce82
Red light-activable biotinylated copper(II) complex-functionalized gold nanocomposite (Biotin-Cu@AuNP) towards tar	Musib D., Department of Chemistry, National Institute of Technology Manipur, Langol, Imphal West, 795004, India; Upadh	Chemical Sciences; Medical and Health	Journal of Inorganic Biochemistry	2023	8	0162-0134	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150308210&doi=10.1016%2fj.jinorgbio.2023.112183&partnerID=40&md5=93bb1e253706d943c8f1860213354862
Development of a new thermo-mechanical processing route for Nb-5Mo-1Zr-0.1C (wt%) alloy	Vishwanadh B., Materials Science Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Kumar N.N., Materia	Engineering Sciences	Journal of Alloys and Compounds	2023	6	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146997909&doi=10.1016%2fj.jallcom.2023.168860&partnerID=40&md5=4636b5415400ea77baef14715b720010
Temperature-dependent anomalous viscosity of aqueous solutions of imidazolium-based ionic liquids	Kaushik D., Department of Physics, School of Natural Sciences, Shiv Nadar Institution of Eminence, NH 91, Tehsil Uttar Pra	Physical Sciences	Soft Matter	2023	2	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163239965&doi=10.1039%2fd3sm00333g&partnerID=40&md5=ed1caac707ee839c64bcb6f13a201e3c
Selenite reduction and biogenesis of selenium-nanoparticles by different size groups of aerobic granular sludge under	Sudharsan G., Biofouling and Biofilm Processes Section, WSCD, Chemistry Group, Bhabha Atomic Research Centre, Tamil N	Life Sciences	Journal of Environmental Management	2023	7	0301-4797	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149999217&doi=10.1016%2fj.jenvman.2023.117482&partnerID=40&md5=752dc4ce87aeedbb4cd4b2e5952ec676
DFT stimulation and experimental insights of chiral Cu(ii)-salen scaffold within the pocket of MWW-zeolite and its cata	Lakhani P., Applied Chemistry Department, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Bar	Physical Sciences	Physical Chemistry Chemical Physics	2023	8	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160002815&doi=10.1039%2fd3cp00857f&partnerID=40&md5=90d9899c10303c38aec697d39a524cc9
Output feedback Model Reference Adaptive Control of nuclear reactor	Reddy P.M.S., Homi Bhabha National Institute, Mumbai, 400094, India; Shimjith S.R., Homi Bhabha National Institute, Mu	Engineering Sciences	Nuclear Engineering and Design	2023	2	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151054909&doi=10.1016%2fj.nucengdes.2023.112276&partnerID=40&md5=16dd345aa40a5a10cafe0bf800049706
Time and magnetic field dependent magnetic order in Ca3Co2 O6 revealed by resonant x-ray scattering	Yusuf S.M., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National I	Physical Sciences	Physical Review B	2023	2	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158816807&doi=10.1103%2fPhysRevB.107.184406&partnerID=40&md5=7f547a5606fe9514a518816e53369801
A New Series of D1-A-D2-type ESIPT-TICT-AIE Active Orange-to-red Emissive Unsymmetrical Azines: Their All-througho	Bhosle A.A., Department of Chemistry, BITS-Pilani, K. K. Birla Goa Campus NH 17B, Bypass Road, Zuarinagar, Goa, Sancoale	Chemical Sciences	Chemistry - An Asian Journal	2023	5	1861-4728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159781665&doi=10.1002%2fasia.202300048&partnerID=40&md5=b9c6e605248aff0c4590096080e841c7
Correlation of micro-structure with the opto-electronic properties of the sol-gel derived powder Sn1-xCdxO2 nanopar	Ali S.I., Department of Physics, University of Burdwan, Golapbag, West Bengal, Burdwan, 713104, India; Dutta D., Radioch	Chemical Sciences	Materials Chemistry and Physics	2023	6	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150356222&doi=10.1016%2fj.matchemphys.2023.127627&partnerID=40&md5=6092b74773889ec84dda8340206adf9d
Efficient Removal of Uranyl Ions Using PAMAM Dendrimer: Simulation and Experiment	Maity T., Center for Condensed Matter Theory, Department of Physics, Indian Institute of Science, Bangalore, 560012, Ind	Chemical Sciences	Langmuir	2023	5	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159620548&doi=10.1021%2facs.langmuir.3c00332&partnerID=40&md5=b0b2ee87ae3ff8ff578750791ebcd797
An Isothiazolanthrone-Based Self-Assembling Anticancer Color-Changing Dye for Concurrent Imaging and Monitoring	Gour N., Department of Chemistry, Indrashil University, Mehsana, Gujarat, Kadi, 382740, India; Kshtriya V., Department o	Chemical Sciences	Chemistry - An Asian Journal	2023	1	1861-4728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151455872&doi=10.1002%2fasia.202300044&partnerID=40&md5=d82c9296a0a8534ce2c01e42b6b155aa
Synthesis of PEI functionalized silica microsphere loaded polymeric network for simultaneous removal of Cr (III) & Cr (	Singh S., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Basu H., Analyt	Chemical Sciences	Materials Today Communications	2023	4	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149335055&doi=10.1016%2fj.mtcomm.2023.105706&partnerID=40&md5=d424dc9dc1100095d150c365c69bbe6c
Two-temperature model for ultrafast melting of Au-based bimetallic films interacting with single-pulse femtosecond l	Aeaby C., Theoretical Physics Section, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Physical Sciences	Physical Review B	2023	3	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158814910&doi=10.1103%2fPhysRevB.107.195402&partnerID=40&md5=b09ff154ca9e988619c663bfbac14286
Experimental and theoretical study of the Cu 65 (n,p) Ni 65 reaction cross section from reaction threshold up to 25 Me	Singh R.K., Department of Physics, Faculty of Science, The M. S. University of Baroda, Vadodara, 390002, India; Singh N.L.,	Physical Sciences	Physical Review C	2023	1	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161300478&doi=10.1103%2fPhysRevC.107.054607&partnerID=40&md5=ddcd2be80a2c9358efc772774f8ecbac
Properties of alginate-like exopolymers recovered from flocculent and granular microbial sludges of different biologic	Sarvajith M., Biofouling and Biofilm Processes Section, WSCD, Bhabha Atomic Research Centre, Tamil Nadu, Kalpakkam, 6	Life Sciences	Separation and Purification Technology	2023	12	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149334006&doi=10.1016%2fj.seppur.2023.123460&partnerID=40&md5=9cd2ce003847d70567ff102af9cd3614
Integrative Metatranscriptomic Analysis Reveals Disease-specific Microbiome–host Interactions in Oral Squamous Cel	Jain V., Oral Microbiome Research Laboratory, Department of Oral Health Sciences, Maurice H. Kornberg School of Dentis	Life Sciences	Cancer Research Communications	2023	2	2767-9764	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185193995&doi=10.1158%2f2767-9764.CRC-22-0349&partnerID=40&md5=2e53ad13c236fe7c3facd768a165fcf3
Experimental and Numerical Analysis of Pressure Gradient and Flow Characteristics of Cemented Paste Backfill Based	Panchal S., Department of Mining Engineering, National Institute of Technology, Nagpur, 440010, India; Deb D., Departme	Chemical Sciences	Journal of The Institution of Engineers (India): Series D	2023	0	2250-2122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137080110&doi=10.1007%2fs40033-022-00378-2&partnerID=40&md5=f1ff625c9ff4a8da9839e31771999f02
Cooper Basin REM gas shales after CO2 storage or acid reactions: Metal mobilisation and methane accessible pore ch	Pearce J.K., Centre for Natural Gas, University of Queensland, QLD, Australia, School of Earth and Environmental Sciences,	Physical Sciences	International Journal of Coal Geology	2023	4	0166-5162	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159856072&doi=10.1016%2fj.coal.2023.104271&partnerID=40&md5=05c76dd6cda1de2f63103b19652087fb
Adsorption of rare earth elements in carboxylated mesoporous carbon	Saha D., Chemical Engineering Department, Widener University, 1 University Place, 19013, PA, United States; Bhasin V., A	Physical Sciences	Separation and Purification Technology	2023	10	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150302690&doi=10.1016%2fj.seppur.2023.123583&partnerID=40&md5=ee13653cd8a16b40742e32ca16e4a6dc
Modification of surface characteristics of functionalized multi-walled carbon nanotubes containing mixed matrix mem	Mistry P., Macromolecular Materials Laboratory, Applied Chemistry Department, Faculty of Technology and Engineering, T	Physical Sciences	Desalination and Water Treatment	2023	1	1944-3994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166470522&doi=10.5004%2fdwt.2023.29589&partnerID=40&md5=e34445b80cb404ca8d7bf4d4ea61ba1c
Depth distribution analysis of alloying and impurity elements in Ni-Ti alloy thin films using secondary ion mass spectro	Karki V., Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute	Physical Sciences	Thin Solid Films	2023	0	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151784362&doi=10.1016%2fj.tsf.2023.139836&partnerID=40&md5=e943c033bb2b3b3143fd21f167e988ce
Supramolecular association of a diguanidine derivative with a porphyrin-cyclodextrin conjugate and its binding to G-Q	Alexander A., Centre for Nanoscience and Genomics, Karunya Deemed University, Tamil Nadu, Coimbatore, 641114, India	Chemical Sciences	Journal of Molecular Structure	2023	0	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147545668&doi=10.1016%2fj.molstruc.2023.135026&partnerID=40&md5=1ec09de4e52aa32f4a70b021977aee20
Experimental assessment of hydrogen removal rate for passive auto catalytic recombiners	Sharma S.K., Homi Bhabha National Institute, Mumbai, India, Nuclear Power Corporation of India Limited, Mumbai, India;	Engineering Sciences	Nuclear Engineering and Design	2023	2	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150439566&doi=10.1016%2fj.nucengdes.2023.112274&partnerID=40&md5=941a52b34447678e7a3e5c4a47ac531a
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A rationale for the rapid extraction of ultra-low-level uranyl ions in simulated bioassays regulated by Mn-dopants ove	Mandal P., Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai, 40085, India, Homi Bhabha Natio	Chemical Sciences	RSC Advances	2023	2	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161337012&doi=10.1039%2fd3ra01957h&partnerID=40&md5=089418834ba98d02fa2050834e8ca2f4
High power balanced TEM horn antenna for ultra wide band radiator	Singh S.K., Department of Atomic Energy, Homi Bhabha National Institute, Mumbai, India, Department of Atomic Energy,	Physical Sciences	Microwave and Optical Technology Letters	2023	1	0895-2477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145282137&doi=10.1002%2fmop.33599&partnerID=40&md5=c272246ef16c578559e20ecfc6beb4ed
A robust lyophilized kit for convenient one-step formulation of [68Ga]Ga-DOTA-E −[c(RGDfK)]2 in hospital radiopharm	Das S., Radiopharmaceuticals Program, Board of Radiation and Isotope Technology, Navi Mumbai, India, Homi Bhabha Na	Chemical Sciences; Engineering Science	Applied Radiation and Isotopes	2023	0	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149396156&doi=10.1016%2fj.apradiso.2023.110725&partnerID=40&md5=32919c0145bf23ee128ae1ad4d17237f
MnxWO4 Nanostructure-Based Catalysts for Single-Step Oxidation of Cyclohexane and Methane to Oxygenates	Prabu M., Catalysis and Inorganic Chemistry Division, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pune, 41	Physical Sciences	ACS Applied Nano Materials	2023	4	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156212492&doi=10.1021%2facsanm.3c00319&partnerID=40&md5=c140999daf7a6e19a95b84c3e2c2829e
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Role of Crystal Structure on the Ionic Conduction and Electrical Properties of Germanate Compounds A2Cu3Ge4O12(A	Chikara K.S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Bera A.K., Solid State P	Physical Sciences	ACS Applied Electronic Materials	2023	2	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154553357&doi=10.1021%2facsaelm.3c00176&partnerID=40&md5=89dc3a9072fda845c1599c18c2c88b67
A Highly Porous and Flexible Carbon Nanotube Array Coated with Gold Nanoparticles: Application in Non-Enzymatic U	Nechiyil D., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India; Prakash J., Materials Group, Bhabh	Chemical Sciences; Engineering Science	ChemistrySelect	2023	7	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159055247&doi=10.1002%2fslct.202300029&partnerID=40&md5=8951c44dd51d079428f5fe1f621c2248
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K+-doped P6 crystals of NIR-upconverting NaYF4:Yb3+/Ho3+ conform to the ‘strain-intensity’ relationship	Swain A., Department of Chemistry, National Institute of Technology, Rourkela, 769008, India; Verma P., Department of C	Physical Sciences	CrystEngComm	2023	1	1466-8033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162228946&doi=10.1039%2fd3ce00363a&partnerID=40&md5=e4282bdd7235de2e34456343338abba6
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Fast ion conduction and stable [Na-Si-P] glass-ceramic solid electrolyte mixed with hafnium and scandium ions: Applic	Krishna Katta V., Department of Physics, School of Science, GITAM Deemed to be University, Telangana, Hyderabad, 5023	Chemical Sciences	Journal of Electroanalytical Chemistry	2023	1	1572-6657	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151530334&doi=10.1016%2fj.jelechem.2023.117392&partnerID=40&md5=0edbfb905e05bda7ff6f0c334fdd44fe
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Synthesis, Characterization and in vitro Antifungal Action of Gum Ghatti Capped Copper Oxide Nanoparticles	Kora A.J., National Centre for Compositional Characterisation of Materials (NCCCM), Bhabha Atomic Research Centre (BAR	Life Sciences	Biointerface Research in Applied Chemistry	2023	4	2069-5837	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128879063&doi=10.33263%2fBRIAC132.138&partnerID=40&md5=60239fbf53f43cf374bcd1bdbd76a101
Assessing techno-economic uncertainties in nuclear power-to-X processes: The case of nuclear hydrogen production v	Bhattacharyya R., Board of Studies in Applied Systems Analysis, Homi Bhabha National Institute (HBNI), Mumbai, India, Ch	Engineering Sciences	International Journal of Hydrogen Energy	2023	14	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146348747&doi=10.1016%2fj.ijhydene.2022.11.315&partnerID=40&md5=8951b578b16bbb6b961831367955c2b4
Delineating the role of defect and compositions in luminescent ZnO-ZnGa2-xAlxO4:Cr3+ micro composites towards ef	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences; Physical Sciences	Journal of Luminescence	2023	5	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147198404&doi=10.1016%2fj.jlumin.2023.119730&partnerID=40&md5=426481195df3f1bf9b37c0d2fcd2b78c
Development of a BODIPY-based ratiometric fluorescence off-on dosimeter for gamma radiation	Choudhary M.K., Bio-Organic Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mula S., Bio-Organic Divis	Chemical Sciences	New Journal of Chemistry	2023	4	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158904746&doi=10.1039%2fd3nj01036h&partnerID=40&md5=d36462e377429ecb8e6c9706cbd5af15
Next generation gamma ray shielding blocks developed using alumina industry waste	Arya R., CSIR-Advanced Materials and Processes Research Institute (CSIR-AMPRI), Bhopal, 462026, India, Academy of Scien	Physical Sciences	Construction and Building Materials	2023	3	0950-0618	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149396773&doi=10.1016%2fj.conbuildmat.2023.130895&partnerID=40&md5=ed12cdfbf073cdeffa60f98f74183f91
Molecular precursor mediated selective synthesis of phase pure cubic InSe and hexagonal In2Se3 nanostructures: new	Karmakar G., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400-085, India, Homi Bhabha National Institut	Chemical Sciences	Dalton Transactions	2023	6	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158863312&doi=10.1039%2fd3dt00234a&partnerID=40&md5=cb5dbd07741a046cb50a5b8d8b96226f
Highly Efficient Extraction Chromatography Resin Containing Hexa-n-Octyl Nitrilotriacetamide (HONTA) for Selective R	Gujar R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ansari S.A., Radiochemistry	Chemical Sciences	Industrial and Engineering Chemistry Research	2023	4	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151824158&doi=10.1021%2facs.iecr.2c04516&partnerID=40&md5=2b3a1a5c3ac389e7f3214988be8631b0
Structural Changes in Liposomal Vesicles in Association with Sodium Taurodeoxycholate	Kumar D., Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER), Raebareli,	Physical Sciences	AAPS PharmSciTech	2023	3	1530-9932	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151628064&doi=10.1208%2fs12249-023-02550-7&partnerID=40&md5=aea740984151c7077afa747828e6ebf3
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Effect of annealing environment on the luminescence and structural properties of pure CePO4 and Tb: CePO4 nanowi	Tripathi S., Beamline Development and Application Section, Bhabha Atomic Research Centre, Mumbai, 400085, India, BAR	Physical Sciences	Journal of Luminescence	2023	2	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145773352&doi=10.1016%2fj.jlumin.2022.119666&partnerID=40&md5=e177070906cf59821cb610d0b4641ed3
Process temperature-dependent interface quality and Maxwell-Wagner interfacial polarization in atomic layer deposi	Padhi P.S., Oxide Nano Electronics Lab., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Technolo	Physical Sciences	Nanoscale	2023	7	2040-3364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153872781&doi=10.1039%2fd3nr00909b&partnerID=40&md5=d3c3566e9a6df312e0faf4c6fd724e67
Phytochemical profiling of Nothapodytes nimmoniana to understand camptothecin biosynthesis using tandem mass s	Godbole R.C., Department of Botany, Savitribai Phule Pune University, Pune, 411007, India; Pable A.A., Department of Mi	Life Sciences	South African Journal of Botany	2023	0	0254-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150059619&doi=10.1016%2fj.sajb.2023.03.008&partnerID=40&md5=05223242eeb96af3dcb7eb43f0d756b7
Defect-Engineered 3D Nanostructured MoS2 for Detection of Ammonia Gas at Room Temperature	Rajbhar M.K., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Odisha, Jatni, 752050, India; De S., Sc	Physical Sciences	ACS Applied Nano Materials	2023	8	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151393242&doi=10.1021%2facsanm.2c05361&partnerID=40&md5=d43f17ef276259bf4fb0129a97acb9b8
Environmental isotope constraints and hydrogeochemical evolution of groundwater in the semi-arid national capital e	Gupta S., School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, 110067, India, Central Ground Water	Chemical Sciences	Urban Climate	2023	7	2212-0955	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150165743&doi=10.1016%2fj.uclim.2023.101481&partnerID=40&md5=c473aa2a7a070acc5c556d0df687185e
Angiogenesis Imaging of Adrenocortical Carcinoma with Ga -68-NODAGA-RGD Positron Emission Tomography: Openir	Verma P., Radiation Medicine Centre, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India, Clinical Nuclear Med	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2023	0	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164685410&doi=10.4103%2fijnm.ijnm_186_22&partnerID=40&md5=dbb720400e63c8dee841029694145768
Harnessing CRISRP-Cas9 as an anti-mycobacterial system	Sodani M., Radiation Medicine Centre, Medical Group, Bhabha Atomic Research Centre, C/O Tata Memorial Hospital, Mah	Life Sciences	Microbiological Research	2023	1	0944-5013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147847766&doi=10.1016%2fj.micres.2023.127319&partnerID=40&md5=085c3380a783f264a022f8695ced7e65
How is UVR8 relevant in plants? New evidence	Mishra V., Plant Physiology Laboratory, Department of Botany, C.M.P. Degree College, A Constituent Post Graduate Colleg	Life Sciences	Plant Growth Regulation	2023	0	0167-6903	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143732124&doi=10.1007%2fs10725-022-00939-1&partnerID=40&md5=0e655751b58c56e4c965fb20b0435df0
Density functional theoretical assessment of titanium metal for adsorption of hydrogen, deuterium and tritium isotop	Boda A., Chemical Engineering Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 400085, India, Homi Bha	Chemical Sciences	Theoretical Chemistry Accounts	2023	0	1432-881X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153857273&doi=10.1007%2fs00214-023-02988-9&partnerID=40&md5=ed76b76a80e854bf36e31b7f03933d2d
Systematics and mechanisms of α production with weakly and strongly bound projectiles	Parkar V.V., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Inst	Physical Sciences	European Physical Journal A	2023	2	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156186273&doi=10.1140%2fepja%2fs10050-023-01011-w&partnerID=40&md5=42bf2b396d284286de658295698b4b28
Combined experimental and DFT investigation of temozolomide sensing properties of 2D − 2D interface of rich oxyger	Rajkumar C., School of Materials Science and Engineering, Yeungnam University, Gyeongsan, 38541, South Korea; Veeraku	Physical Sciences	Journal of Environmental Chemical Engineering	2023	1	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148547796&doi=10.1016%2fj.jece.2023.109459&partnerID=40&md5=003ec10ada97259c5baff09d5590d7f9
Theoretical study on the gas phase hydroxyl radical reaction with tetrahydrothiophene, tetrahydrofuran, thiophene a	Upadhyaya H.P., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, HBNI, Trombay, Mumbai, 400 085	Chemical Sciences	Chemical Physics Letters	2023	2	0009-2614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149007974&doi=10.1016%2fj.cplett.2023.140385&partnerID=40&md5=2ed25f98ffb86712a30af9596d90ff39
Influence of guide tubes on configuration and heat-up behaviour for PHWR specific suspended debris bed – An analyt	Rajaganesh S., Homi Bhabha National Institute, Mumbai, 400094, India; Majumdar P., Reactor Safety Division, Bhabha Ato	Engineering Sciences	Nuclear Engineering and Design	2023	1	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148540768&doi=10.1016%2fj.nucengdes.2023.112219&partnerID=40&md5=2f98f79ba18b3d2fb74219489c2eb9c2
Phonon anharmonicity and equation of state parameters of orthovanadate Mg3(VO4)2: Raman Spectroscopy and X-ra	Kesari S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Inst	Physical Sciences	Solid State Sciences	2023	3	1293-2558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152225191&doi=10.1016%2fj.solidstatesciences.2023.107186&partnerID=40&md5=87edefe3972df10d33b6ed01641f24e5
Electronic spectroscopy of trans-2-hexenal and 3-hexanol: Experimental and computational studies	Das A.K., Atomic and Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha I	Physical Sciences	Journal of Quantitative Spectroscopy and Radiative Transfer	2023	1	0022-4073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147846707&doi=10.1016%2fj.jqsrt.2023.108509&partnerID=40&md5=091fe5de5fd06328f823b270a6d3e864
Phosphorous/Fluorine Co-doped Biomass-derived Carbon for Enhanced Sodium-ion and Lithium-ion Storage	Dutta D.P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Institute,	Chemical Sciences	ChemNanoMat	2023	4	2199-692X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152286109&doi=10.1002%2fcnma.202300077&partnerID=40&md5=8797b7404b675374012f1d0d37cc7191
De novo granulation of sewage-borne microorganisms: A proof of concept on cultivating aerobic granular sludge with	Sarvajith M., Biofouling and Biofilm Processes Section, WSCD, Chemistry Group, Bhabha Atomic Research Centre, Kalpakk	Life Sciences	Environmental Research	2023	7	0013-9351	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148338668&doi=10.1016%2fj.envres.2023.115500&partnerID=40&md5=7b93330fbd7b8c7ae70b0f36036a4ca8
Deoxyglucose-conjugated persistent luminescent nanoparticles for theragnostic application in fibrosarcoma tumor mo	Sharma K.S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Melwani P.K., Radiation Biology	Chemical Sciences; Life Sciences	RSC Advances	2023	1	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159093665&doi=10.1039%2fd3ra01169k&partnerID=40&md5=6fac218ba9ed38a92d4feda1e31b29cd
Estimation of an empirical formula for efficiency of a BEGe type detector using machine learning based algorithm	Dey R., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, Mumbai	Chemical Sciences; Physical Sciences	Radiation Physics and Chemistry	2023	0	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145964484&doi=10.1016%2fj.radphyschem.2023.110761&partnerID=40&md5=24b592faa5707258bad8ef48e0500112
Hierarchical Polyoxometallate Confined in Woven Thin Films for Single-Cluster Catalysis: Simplified Electrodes for Far-	Kirti, CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, 364002, India, Academy of Scientific and Inno	Physical Sciences	ACS Catalysis	2023	4	2155-5435	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151330730&doi=10.1021%2facscatal.3c00544&partnerID=40&md5=6a49721bab9949320aa1edaa4983e466
Estimation of rare earth elements in Indian coal fly ashes for recovery feasibility as a secondary source	Sandeep P., Environmental Monitoring and Assessment Division, Health Safety and Environment Group, Bhabha Atomic R	Chemical Sciences; Engineering Science	Journal of Hazardous Materials Advances	2023	10	2772-4166	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152178482&doi=10.1016%2fj.hazadv.2023.100257&partnerID=40&md5=97783dd381f97a67c5b100bad3dd6a14

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Application of Drug Aggregation to Solubilize Antimicrobial Compound and Enhancing its Bioavailability	Mavani A., Department of Chemistry, National Institute of Technology Nagaland, Chumukedima, Nagaland, Dimapur, 7971	Physical Sciences	Applied Biochemistry and Biotechnology	2023	2	0273-2289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145104915&doi=10.1007%2fs12010-022-04298-5&partnerID=40&md5=f067f23536dafeabb30814c5772857e3
Crystallographic structural variations in nano-crystalline Sc2O3 under pressure	Yadav D., Pressure, Vacuum & Ultrasonic Metrology Section, Physico-Mechanical Metrology Division, CSIR-National Physic	Physical Sciences	Physica Scripta	2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151515704&doi=10.1088%2f1402-4896%2facc2f7&partnerID=40&md5=39526361a711257af03d57b4e52ad7af
Additive energy functions have predictable landscape topologies	Story B., Department of Mathematics, Colorado State University, Fort Collins, 80523, CO, United States, NIMBioS, Universi	Chemical Sciences	Journal of Chemical Physics	2023	0	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153687407&doi=10.1063%2f5.0140667&partnerID=40&md5=d558d4ea0414bedd713b48b041ff416c
Equations of State and Crystal Structures of KCaPO4, KSrPO4, and K2Ce(PO4)2 under High Pressure: Discovery of a Ne	Errandonea D., Departamento de Física Aplicada-ICMUV, MALTA Consolider Team, Universidad de Valencia, Dr. Moliner 5	Chemical Sciences	Crystal Growth and Design	2023	2	1528-7483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149119211&doi=10.1021%2facs.cgd.2c01547&partnerID=40&md5=ffd37fa6f83bd1549f960d649f493d81
Carbonate treated coffee powder (CTCP) for selective sorption of Pu4+ over Am3+, Np4+, NpO22+, and PuO22+ from	Patil P., Product Development Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Sarathbabu M., Product	Chemical Sciences	Applied Radiation and Isotopes	2023	2	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147858088&doi=10.1016%2fj.apradiso.2023.110695&partnerID=40&md5=730b56c230c0a059c444a8ddcf188902
Thermodynamic investigation of ZnMoO4 (s) and Zn3Mo2O9 (s) compounds	Aiswarya P.M., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nati	Chemical Sciences	Thermochimica Acta	2023	3	0040-6031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150255156&doi=10.1016%2fj.tca.2023.179486&partnerID=40&md5=51bbbbcd59e4d8659e48fbca080f6236
Thidiazuron-mediated callogenesis and biosynthesis of anti-cancerous monoterpene indole alkaloid camptothecin in N	Kadam S.B., Department of Botany, Savitribai Phule Pune University, Pune, 411007, India; Godbole R.C., Department of Bo	Life Sciences	South African Journal of Botany	2023	2	0254-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151708784&doi=10.1016%2fj.sajb.2023.03.022&partnerID=40&md5=7c745862600dbbd5b6946bf5b859ce27
Decomposition kinetics of sodium amalgam in fixed bed of WC-coated tubular SS-304 packing: Modelling and validatio	Manivannan S., Alkali Material and Metal Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mandal D., A	Engineering Sciences	Asia-Pacific Journal of Chemical Engineering	2023	0	1932-2135	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150706658&doi=10.1002%2fapj.2893&partnerID=40&md5=2d8e5ef63239a50b13b7231ebce1d635
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Utilization of host assisted aggregation-induced emission of ANS dye for ATP sensing	Kanti Mal D., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Nilaya Jonnalgadda P., Laser ar	Life Sciences; Physical Sciences	Journal of Molecular Liquids	2023	8	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150381228&doi=10.1016%2fj.molliq.2023.121402&partnerID=40&md5=b8ad3ef775fb42f29f7abb579cedcf7c
Mitochondria-Directing Fluorogenic Probe: An Efficient Amyloid Marker for Imaging Lipid Metabolite-Induced Protein	Pandey S.P., Department of Biotechnology, Mithibai College of Arts, Chauhan Institute of Science and Amrutben Jivanlal C	Chemical Sciences	Analytical Chemistry	2023	5	0003-2700	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152124155&doi=10.1021%2facs.analchem.2c05466&partnerID=40&md5=dc3811615ee8ba39eec0d7683c7fb294
Free radical induced degradation and computational studies of hydroxychloroquine in aqueous solution	Rath M.C., Radiation & Photochemistry Division, Mumbai, 400 094, India, Homi Bhabha National Institute, Mumbai, 400 0	Chemical Sciences	Radiation Physics and Chemistry	2023	3	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149771067&doi=10.1016%2fj.radphyschem.2023.110785&partnerID=40&md5=a8cd155d6f4ed198903e807d2def6b5a
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Effect of phase interfaces to dimple pattern	Das A., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400 085, India	Chemical Sciences	Materials Letters	2023	3	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147605648&doi=10.1016%2fj.matlet.2023.133954&partnerID=40&md5=8605e6e94f609062dceea62e43f9158a
Single-Wall-Carbon-Nanotube- VSe2 Nanohybrid for Ultrafast Visible-To-Near-Infrared Third-Order Nonlinear Optical L	Kumar V., Department of Physics, Indian Institute of Science Education and Research Bhopal, Bhopal, 462066, India; Mand	Physical Sciences	Physical Review Applied	2023	3	2331-7019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158846065&doi=10.1103%2fPhysRevApplied.19.044081&partnerID=40&md5=221b4c5e98c204da6ceb407e32bc9318
Ab-initio study of C2/c, Cmca-12, Pbcn and P6122 phases of solid hydrogen	Gorai S., Theoretical Physics Section, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Ins	Physical Sciences	Physica B: Condensed Matter	2023	0	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150469786&doi=10.1016%2fj.physb.2023.414772&partnerID=40&md5=df3e5368ef939fef7ed5e19fc5ce9e5a
Performance of small- and wide-angle x-ray scattering beamline at Indus-2 synchrotron	Das A., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Bahadur J., Solid State Physi	Physical Sciences	Review of Scientific Instruments	2023	3	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153188705&doi=10.1063%2f5.0121310&partnerID=40&md5=abe44fcddde6a34c113a3f56871dfeb9
Two-Dimensional Layered Structures of Group-V Elements as Transparent Conductors: Insight from a First-Principles S	Behera G., Department of Energy Science and Engineering, IIT Bombay, Powai, Mumbai, 400076, India; Kangsabanik J., De	Physical Sciences	Physical Review Applied	2023	1	2331-7019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161101939&doi=10.1103%2fPhysRevApplied.19.054068&partnerID=40&md5=969e761bda327285f74fde83d2895002
γ-Resistant Microporous CAU-1 MOF for Selective Remediation of Thorium	Gumber N., Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences; Physical Sciences	ACS Omega	2023	9	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151277597&doi=10.1021%2facsomega.2c08274&partnerID=40&md5=f478be3d85d8459be202d757a051e588
Measurement of dose enhancement factor for Xoft Axxent electronic brachytherapy device using nanoparticle-embed	Kakade N.R., Radiological Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Na	Engineering Sciences; Medical and Healt	Journal of Cancer Research and Therapeutics	2023	0	0973-1482	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159283135&doi=10.4103%2fjcrt.jcrt_207_21&partnerID=40&md5=93f0c0d7294741a19b9c94f3f8527cf9
Fabry-Perot Interferometric Pressure Sensor With Thermally Stretched Ridged Metal Diaphragm for 0-1000-mbar Ran	Ghildiyal S., Bhabha Atomic Research Centre, Mumbai, 400 085, India; Ranjan P., Bhabha Atomic Research Centre, Mumba	Engineering Sciences	IEEE Sensors Journal	2023	0	1530-437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153409194&doi=10.1109%2fJSEN.2023.3262808&partnerID=40&md5=59b87f618bc100da8e7e3f5101c24bf1
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Laterally Grown Strain-Engineered Semitransparent Perovskite Solar Cells with 16.01% Efficiency	Ghosh T., Materials Science Centre, Indian Institute of Technology, Kharagpur, 721 302, India; Mane P., Seismology Divisio	Physical Sciences	ACS Applied Materials and Interfaces	2023	6	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151320882&doi=10.1021%2facsami.2c20124&partnerID=40&md5=3cd460faa3604fbc7a534b1f87905d1f
Studies on diurnal variation of atmospheric tritium concentration at a sampling location near to PHWR site in Semi-Ar	Nankar D.P., Environmental Survey Laboratory, Environmental Studies Section, Environmental Monitoring and Assessmen	Engineering Sciences	Journal of Environmental Radioactivity	2023	2	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147328996&doi=10.1016%2fj.jenvrad.2023.107123&partnerID=40&md5=8eb8aa183ad173b5f6068c47098975bf
Interaction study of molten uranium with multilayer SiC/Y2O3 and Mo/Y2O3 coated graphite	Sharma S.K., Atomic Fuels Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Saify M.T., Atomic Fuels Divi	Engineering Sciences	Nuclear Engineering and Technology	2023	1	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151668682&doi=10.1016%2fj.net.2022.12.025&partnerID=40&md5=41d6c579a1152556e9e0a623cfa866d0
Visible light sensitive Au–TiO2 nanocomposites formed by effective attachment of Au with TiO2 nanoparticles using li	Chaturvedi A., Laser Material Processing Division, Raja Ramanna Center for Advanced Technology, M.P, Indore, 452013, In	Physical Sciences	Optical Materials	2023	2	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151569630&doi=10.1016%2fj.optmat.2023.113732&partnerID=40&md5=dc58250c2ef905ffbb597dfd4de805c8
Nucleation-Growth Versus Spinodal Decomposition in Fe-Cr Alloys: An Experimental Verification by Atom Probe Tomo	Sarkar S.K., Materials Science Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National In	Engineering Sciences; Physical Sciences	Microscopy and Microanalysis	2023	2	1431-9276	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171619271&doi=10.1093%2fmicmic%2fozac052&partnerID=40&md5=a7e92fbbcc8ba61aea0269e93f7591ad
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Au ion beam engineered MXene incorporated TiO2 photoanodes for quantum dot sensitized solar cells	Singh I., Department of Physics, Guru Nanak Dev University, Amritsar, 143005, India; Bhullar V., Department of Physics, Gu	Physical Sciences	Materials Science and Engineering: B	2023	8	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147909466&doi=10.1016%2fj.mseb.2023.116342&partnerID=40&md5=54d67fa436fd9097f23068a24a3e0897
Assessment of Elements in Curcuma caesia Rhizome through Various Instrumentation Techniques	Atom R.S., Department of Chemistry, Waikhom Mani Girls' College, Manipur, Thoubal, 795 138, India, Department of Che	Chemical Sciences	Agricultural Science Digest	2023	1	0253-150X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160227588&doi=10.18805%2fag.D-5658&partnerID=40&md5=535cae2dd29a21d1eb4459fcda46f7e3
Studies on application of indirect mode of ultrasound for feed brine pretreatment as fouling/scaling mitigation on hea	Banakar V.V., Chemical Engineering Department, Institute of Chemical Technology, N.P. Marg, Matunga, Mumbai, 400 019	Engineering Sciences	Chemical Engineering and Processing - Process Intensification	2023	0	0255-2701	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150249414&doi=10.1016%2fj.cep.2023.109345&partnerID=40&md5=c0ab5250065383e21ac1b683996a40d5
MXene supported nickel-cobalt layered double hydroxide as efficient bifunctional electrocatalyst for hydrogen and ox	Navjyoti, Department of Physics, Guru Nanak Dev University, Punjab, Amritsar, 143005, India; Sharma A.K., Centre for Sus	Physical Sciences	Journal of Alloys and Compounds	2023	17	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146084588&doi=10.1016%2fj.jallcom.2023.168779&partnerID=40&md5=116cee6d959ca62aee60673ef9262194
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Defect assisted magneto-tunable photoresponse in ZnO-rGO/La0.7Sr0.3MnO3/ITO heterojunctions	Deb D., Department of ECE, Koneru Lakshmaiah Education Foundation, AP, Vaddeswaram, 522302, India, Department of P	Physical Sciences	Materials Science and Engineering: B	2023	3	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147605105&doi=10.1016%2fj.mseb.2023.116353&partnerID=40&md5=ca86a02ea0f7818553a92207ac444929
2D-IR Spectroscopy of Nitrosyl Stretch of Sodium Nitroprusside Reveals the Elusive Two Anomalous Regions in the DM	Mora A.K., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha	Chemical Sciences	Journal of Physical Chemistry B	2023	0	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153992764&doi=10.1021%2facs.jpcb.3c01193&partnerID=40&md5=524a80d540e0d5541e0521db799683ab
Influence of γ'Nand ϵ'Nphases on the properties of AISI 304L after low-temperature plasma nitrocarburizing	Sah J.V., Institute for Plasma Research, Gujarat, Gandhinagar, 382016, India, Homi Bhabha National Institute, BARC Trainin	Engineering Sciences; Physical Sciences	Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films	2023	3	0734-2101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150170124&doi=10.1116%2f6.0002346&partnerID=40&md5=b35e7989af28adf21a07042e3fef2a2e
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Solid solution of Cr3+ doped ZnGa2O4 and Zn2SnO4 to create cation inversion and its role on persistent deep red emi	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	Journal of Luminescence	2023	8	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146439329&doi=10.1016%2fj.jlumin.2023.119697&partnerID=40&md5=9391f3381470accf0609b05bdef9073a
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Microfluidic solvent extraction of no-carrier-added 64Cu from irradiated Zn target for radiopharmaceutical preparatio	Chakravarty R., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi	Chemical Sciences; Engineering Sciences	Chemical Engineering Journal Advances	2023	3	2666-8211	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145228915&doi=10.1016%2fj.ceja.2022.100433&partnerID=40&md5=0458da4f8da6c31295ee4ee810484718
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Pristine and metal decorated biphenylene monolayer for enhanced adsorption of nitrobenzene: A DFT approach	Lakshmy S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University,	Physical Sciences	Applied Surface Science	2023	23	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143789770&doi=10.1016%2fj.apsusc.2022.155995&partnerID=40&md5=1ff301c4708ee5b1cf62ae2ecc9ac688
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Growth, structural, optical, and thermal behavior of bibenzyl organic single crystal for scintillator applications	Ramprasath R.H., Department of Materials Science, School of Technology, Central University of Tamil Nadu, Tamil Nadu, T	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	3	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148689487&doi=10.1007%2fs10854-023-10013-9&partnerID=40&md5=05508a237799a74d8e90fefb61a2ae8e
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On synthesis, stability and superconductivity of ThNb2H12under pressure: ab-inito calculations	Sahoo B.D., Applied Physics Division Bhabha Atomic Research Centre, Mumbai, India; Joshi K.D., Applied Physics Division B	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145224770&doi=10.1016%2fj.jpcs.2022.111193&partnerID=40&md5=389ba0b316c9c2e3bf1dc7d5ba72a1b0
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Experimental investigations on magnetic pulse crimping of copper lug	Ali N., Homi Bhabha National Institute, Mumbai, India; Sharma S.K., Homi Bhabha National Institute, Mumbai, India, Pulse	Engineering Sciences	Engineering Research Express	2023	2	2631-8695	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150483074&doi=10.1088%2f2631-8695%2facc0da&partnerID=40&md5=371c4d979ac35a08a9a68f359f93e7df
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DivIVA Phosphorylation Affects Its Dynamics and Cell Cycle in Radioresistant Deinococcus radiodurans	Chaudhary R., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India, Life Sciences, Homi Bhabha Na	Life Sciences	Microbiology Spectrum	2023	3	2165-0497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158008421&doi=10.1128%2fspectrum.03141-22&partnerID=40&md5=930a84f3800e9697104d6c041be0d1b9
Metachronous Adenocarcinoma of the Lung in the Setting of Metastatic Gastric Neuroendocrine Tumor: Value of Eluc	Loharkar S., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Homi Bhabha N	Medical and Health Sciences	Journal of Nuclear Medicine Technology	2023	0	0091-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149999623&doi=10.2967%2fjnmt.121.263415&partnerID=40&md5=b5ffed7adeab6105638ef79ba976b6c2
Experimental and theoretical revelation of a unique band topology in Sb2Te3 topological insulator by substitution of C	Pal D., Department of Physics, Indian Institute of Technology (BHU), Varanasi, 221005, India; Sharma B.B., High Pressure &	Physical Sciences	Materials Science and Engineering: B	2023	0	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147453125&doi=10.1016%2fj.mseb.2023.116347&partnerID=40&md5=447d635dde4fae7710b68c529d143f09
Enhancement in Photoelectrochemical Efficiency and Modulation of Surface States in BiVO4 through the TiO2 Outer L	Sharma A., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences	Journal of Physical Chemistry C	2023	7	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149127113&doi=10.1021%2facs.jpcc.2c08039&partnerID=40&md5=d1c358865762b483449626cef683628e
Harvesting Plasmonic Near-Infrared Photons by Hot Hole Transfer in Nonstoichiometric-Semiconductor Plasmonic Het	Ghorai N., Institute of Nano Science and Technology, Knowledge City, Sector 81, SAS Nagar, Punjab, Mohali, 140306, India	Chemical Sciences	ACS Photonics	2023	1	2330-4022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149871922&doi=10.1021%2facsphotonics.2c01897&partnerID=40&md5=2c437bd326b9181b6e74b42f23e83049

Comparative Phenotypic, Genomic, and Transcriptomic Analyses of Two Contrasting Strains of the Plant Beneficial Fu	Pachauri S., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, India, Ho	Life Sciences	Microbiology Spectrum	2023	1	2165-0497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153349973&doi=10.1128%2fspectrum.03024-22&partnerID=40&md5=063c603657d3edd557a8f934781af95e
Improved Power Factor in Highly Textured n-Type Ag2Se Flexible Films	Sarkar P., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400085, India, Technical Physics Division, Bhabha Ato	Chemical Sciences; Physical Sciences	ACS Applied Electronic Materials	2023	4	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148945374&doi=10.1021%2facsaelm.2c01709&partnerID=40&md5=83bdd782772839edc9acf7b9aec91101
Magnetoimpedance effect in electrodeposited NiFe/Cu wire using trisodium citrate additive in plating bath	Tandon P., Natural Sciences, Indian Institute of Information Technology, Design and Manufacturing, Madhya Pradesh, Jab	Engineering Sciences	Journal of Magnetism and Magnetic Materials	2023	1	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147603023&doi=10.1016%2fj.jmmm.2023.170490&partnerID=40&md5=d59557dd45575ef59c0813ba63a02a33
Pressure-induced electride phase formation in calcium: A key to its strange high-pressure behavior	Modak P., High Pressure & Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, Ind	Physical Sciences	Physical Review B	2023	2	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152110719&doi=10.1103%2fPhysRevB.107.125152&partnerID=40&md5=88d96ba1924be21c2b37eb84297f8ceb
Insights into the CO2 Capture Characteristics within the Hierarchical Pores of Carbon Nanospheres Using Small-Angle	Maity A., Department of Chemical Sciences, Tata Institute of Fundamental Research, Mumbai, 400005, India; Singh S., Dep	Physical Sciences	Langmuir	2023	4	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150460604&doi=10.1021%2facs.langmuir.2c03474&partnerID=40&md5=87b6836969407c478b7900021bf65570
False-Positive 68Ga-DOTATATE PET/CT Findings in Hereditary Hypophosphatemia-Osteomalacia Mimicking Culprit Les	Parghane R.V., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Homi Bhabh	Medical and Health Sciences	Journal of Nuclear Medicine Technology	2023	1	0091-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149999098&doi=10.2967%2fjnmt.121.263776&partnerID=40&md5=8b74f2c8288cdfb38c2eea1ae7430b24
Unassisted and Efficient Actinide/Lanthanide Separation with Pillar[5]arene-Based Picolinamide Ligands in Ionic Liquid	Cai Y., Key Laboratory of Radiation Physics and Technology of the Ministry of Education, Institute of Nuclear Science and T	Chemical Sciences	Industrial and Engineering Chemistry Research	2023	7	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149924370&doi=10.1021%2facs.iecr.3c00382&partnerID=40&md5=7fe5539427be306ed8df8089032fecf1
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Sensitive turn-off detection of nitroaromatics using fluorescent tetraphenylethylene phosphonate derivative	Malegaonkar J.N., Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Telangana, H	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	3	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146085542&doi=10.1016%2fj.jphotochem.2022.114530&partnerID=40&md5=c1cd15e301b70752622b0bc9c5357ae1
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Green emitting plastic scintillator with neutron/gamma pulse shape discrimination for fast neutron detection	Alex L., Centre for Crystal Growth, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Tamilnadu, K	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	1	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148694085&doi=10.1007%2fs10854-023-10018-4&partnerID=40&md5=0a5496ea9bd670d6a2409e0e6f9ec7c3
Electrochemical capacitance and cubic-rhombohedral phase transition of sodium intercalated ferrimagnetic mangane	Bhatt P., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Ins	Chemical Sciences; Physical Sciences	Sustainable Materials and Technologies	2023	5	2214-9937	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143866722&doi=10.1016%2fj.susmat.2022.e00532&partnerID=40&md5=a9b5f1ce78347317a8b88ee22f6fea6b
Tensile Behavior of Alloy 690 in the Dynamic Strain Aging Regime	Sourabh K., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400094, India, Mechanical Metallurgy Division, Bh	Engineering Sciences	Journal of Materials Engineering and Performance	2023	2	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139514899&doi=10.1007%2fs11665-022-07314-1&partnerID=40&md5=2fa0806fefacb438c75bb78d2f54bc88
Redox-labelled detection probe enabled immunoassay for simultaneous detection of multiple cancer biomarkers	Chellachamy Anbalagan A., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Sawan	Chemical Sciences	Microchimica Acta	2023	3	0026-3672	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147834393&doi=10.1007%2fs00604-023-05663-9&partnerID=40&md5=557cb1f1a1ada6d7a68e315a87edd2dd
Room temperature d 0 ferromagnetism in carbon doped LaH3: insights from density functional theory simulations	Sharma P., Department of Physics, Indian Institute of Technology Bombay, Mumbai, 400076, India; Shukla A., Department	Physical Sciences	Journal of Physics D: Applied Physics	2023	0	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148684470&doi=10.1088%2f1361-6463%2facb721&partnerID=40&md5=990adfaf22d4819d8284bc44c96395ae
Improving constraints on gluon spin-momentum correlations in transversely polarized protons via midrapidity open-h	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State University, A	Physical Sciences	Physical Review D	2023	2	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151320125&doi=10.1103%2fPhysRevD.107.052012&partnerID=40&md5=676ed58e08338990a54ba9c9b468f4dd
Effect on structure, stability, and H+ irradiation on Nd3+/Ru4+-loaded iron phosphate glass for nuclear applications	Joshi A.C., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Chemical Science, Homi Bhabha National I	Chemical Sciences; Physical Sciences	Journal of the American Ceramic Society	2023	2	0002-7820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143829534&doi=10.1111%2fjace.18914&partnerID=40&md5=bbf030735154300597bdf101660d90ff
Battery-powered FPGA-based embedded system for ultrasonic pipe inspection and gauging systems	Kumar N.P., Homi Bhabha National Institute (HBNI), Mumbai, 400094, India, Bhabha Atomic Research Centre (BARC), Mur	Engineering Sciences	Review of Scientific Instruments	2023	4	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151049325&doi=10.1063%2f5.0142236&partnerID=40&md5=f7f1563b4c4ced778379b3607da9cb17
A combined study on structural, magnetic and specific heat on double perovskite iridates Ln2CoIrO6 [Ln = Pr, Nd]	Datta R., School of Physical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, 700032, India; Pr	Physical Sciences	Journal of Physics Condensed Matter	2023	2	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147234855&doi=10.1088%2f1361-648X%2facafc8&partnerID=40&md5=045bfed6ac60fb3b03a9f68ba63ff869
Transparency of the γ(n,p)π- reaction in nuclei	Das S., Nuclear Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nationa	Physical Sciences	Physical Review C	2023	1	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151336430&doi=10.1103%2fPhysRevC.107.035201&partnerID=40&md5=62c9e23cd0be178421f561e1e2c9a5f4
Kinetic study of graphene oxide synthesis by electrochemical exfoliation of graphite	Biranje P.M., Department of Chemical Engineering, Institute of Chemical Technology, Mumbai, 400019, India; Patwardhan	Chemical Sciences; Engineering Sciences	Journal of Industrial and Engineering Chemistry	2023	7	1226-086X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143884056&doi=10.1016%2fj.jiec.2022.11.053&partnerID=40&md5=a60dbc766e7843ca4026f9a2a9770108
Porosity control of CNT aerogel and its conversion to CNT fiber in floating catalyst chemical vapour deposition	Alexander R., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India; Kaushal A., Materials Group, Bha	Chemical Sciences; Engineering Sciences	Journal of Porous Materials	2023	3	1380-2224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139591185&doi=10.1007%2fs10934-022-01358-3&partnerID=40&md5=c9f1426a2e71b5ab215492fbb2d8acf6
Fenton reaction by H2O2 produced on a magnetically recyclable Ag/CuWO4/NiFe2O4 photocatalyst	Kumar U., Department of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221005, India; S	Chemical Sciences	Catalysis Science and Technology	2023	10	2044-4753	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151009312&doi=10.1039%2fd3cy00102d&partnerID=40&md5=e94146468f30b52e50be7b7f349c08c7
Origin of the long-range ferrimagnetic ordering in cubic Mn(Co)Cr2 O4 spinels	Das A., Department of Physics, Indian Institute of Technology Kharagpur, West Bengal, 721302, India; Pal P., Department (	Physical Sciences	Physical Review B	2023	4	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151308184&doi=10.1103%2fPhysRevB.107.L100414&partnerID=40&md5=5646c74745a2dc8d2f4373e588ea862b
Phase matching in quantum search algorithm	Chowdhury S.R., Beam Technology Development Group, Bhabha Atomic Research Centre, Mumbai, 400085, India; Baruah	Engineering Sciences	EPL	2023	0	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148911004&doi=10.1209%2f0295-5075%2facba41&partnerID=40&md5=93290a37e4c2c46f65409876f34ea0ae
Molecular mapping of two recessive genes controlling resistance to bacterial leaf pustule disease in soybean (Glycine	Totade S.P., Homi Bhabha National Institute, Mumbai, India, Nuclear Agriculture and Biotechnology Division, Bhabha Ator	Life Sciences	Plant Breeding	2023	0	0179-9541	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147453975&doi=10.1111%2fpbr.13079&partnerID=40&md5=4e450f6364db386e8e5e11c3e118dfb3
Electric-Field Emission Mechanism in Q-Carbon Field Emitters	Haque A., Electrical Engineering, Ingram School of Engineering, Texas State University, San Marcos, 78666, TX, United Stat	Physical Sciences	ACS Omega	2023	5	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149124212&doi=10.1021%2facsomega.2c07576&partnerID=40&md5=3ebb4a4ff68b071121ea76909cf0bebb
Internal nitridation of Alloy 690 during creep deformation at 1100 °C	Sourabh K., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400 094, India, Mechanical Metallurgy Division, Bl	Engineering Sciences	Materials Science and Engineering: A	2023	2	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148043793&doi=10.1016%2fj.msea.2023.144719&partnerID=40&md5=d066e65e5a146e79bcdd5aea84f99641
Development of DNA Bio-chip for Detection of Mutations of rpoB, embB and inhA Genes in Drug-Resistant Mycobacte	Jain B., Radiation Medicine Centre, Bhabha Atomic Research Centre, Parel, Mumbai, India, Homi Bhabha National Institute	Life Sciences	Indian Journal of Clinical Biochemistry	2023	3	0970-1915	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85292281617&doi=10.1007%2fs12291-022-01044-w&partnerID=40&md5=21220a2d07cb0b8d7352a9432099ea56
Coupling of topological interface states in 1D photonic crystal	Sharma R., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Jena S., Atomic	Physical Sciences	Optical Materials	2023	5	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147258936&doi=10.1016%2fj.optmat.2023.113508&partnerID=40&md5=67e5f74f82e2dda7ddb2c8618b2d6dc1
Evolution of dislocations and grain boundaries during multi-axial forging of tantalum	Kedharnath A., Mechanical Metallurgy Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Division of Engir	Engineering Sciences; Physical Sciences	International Journal of Refractory Metals and Hard Materials	2023	9	0263-4368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147089349&doi=10.1016%2fj.ijrmhm.2023.106120&partnerID=40&md5=8ce27a1cc874b80814d3b65527d78666
Comparing fatigue life prediction capability of critical plane models using multiaxial test database on 17 materials	Arora P., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India; Gupta S.K., Reactor Safety Division, Bha	Engineering Sciences	Fatigue and Fracture of Engineering Materials and Structures	2023	3	8756-758X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146355373&doi=10.1111%2fffe.13928&partnerID=40&md5=06a62afaf847d2035e3e0a3351c26549
Biochemical characterization of clinically relevant mutations of human Translin	Pillai V., Applied Genomics Section, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nati	Life Sciences	Molecular and Cellular Biochemistry	2023	0	0300-8177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138083458&doi=10.1007%2fs11010-022-04556-4&partnerID=40&md5=503e2318aaa841d957792fee3bdcf1aa
Electron beam assisted recycling of polyurethane (PU) sponge: Turning it into a superabsorbent for wastewater treatr	Jha A., Homi Bhabha National Institute, Mumbai, India, Isotope and Radiation Application Division, Bhabha Atomic Resear	Chemical Sciences	Journal of Applied Polymer Science	2023	6	0021-8995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145311390&doi=10.1002%2fapp.53545&partnerID=40&md5=54f9956e12b8147bc54efc6e63f5547b
Shell effect driven fission modes in fragment mass and total kinetic energy distribution of Hg ∗ 192	Kumar R., Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand, Roorkee, 247667, India; Maiti M.	Physical Sciences	Physical Review C	2023	4	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151360987&doi=10.1103%2fPhysRevC.107.034614&partnerID=40&md5=2f70ded182223828e02c7a04ecfd2324
Purification of hetero-oligomeric protein variants using a modified tandem affinity purification approach	Parui A.L., Integrated Biophysics and Structural Biology Lab, ACTREC – Tata Memorial Centre, Navi Mumbai, 410210, India	Life Sciences	STAR Protocols	2023	1	2666-1667	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146298258&doi=10.1016%2fj.xpro.2022.102036&partnerID=40&md5=0630a24511fe9e1364203bdf298b79ee
Numerical investigation on convective heat transfer in a pool with submerged heat source under seismic condition	Chauhan S.P., Homi Bhabha National Institute, Mumbai, 400085, India; Kumar N., Reactor Engineering Division, Bhabha At	Engineering Sciences	Journal of Thermal Analysis and Calorimetry	2023	0	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146645744&doi=10.1007%2fs10973-022-11938-9&partnerID=40&md5=c505ca7d607a5c09b8a77a440c141e38
Applications of Energy Dispersive X-Ray Fluorescence Spectrometry and Direct Current Arc Atomic Emission Spectrosc	Sharma V., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Department of Nuclear and	Chemical Sciences	ChemistrySelect	2023	0	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151562395&doi=10.1002%2fslct.202204901&partnerID=40&md5=ab9458350cccc5a585099a97657ded69
Potency of Extended X-ray Absorption Fine Structure Spectroscopy toward the Determination of Individual Bond Grün	Basu R., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Physical Sciences	ACS Applied Energy Materials	2023	1	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148674653&doi=10.1021%2facsaem.2c04031&partnerID=40&md5=40f7327dfe1562728cd39a3ff282cd67
Structural and magnetic properties of LaVO3 - Absence of anomalous diamagnetism	Anas M., Department of Physics, Indian Institute of Technology Roorkee, Roorkee, 247667, India; Jain A., Solid State Physi	Physical Sciences	Ceramics International	2023	0	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145327047&doi=10.1016%2fj.ceramint.2022.11.138&partnerID=40&md5=fb419dee4d690c9d42eb7c39212c7ce5
[99mTc]Tc-HYNIC-RM2: A potential SPECT probe targeting GRPR expression in prostate cancers	Vats K., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Mumbai, India; Chakraborty A., Radiation Medic	Chemical Sciences; Life Sciences	Nuclear Medicine and Biology	2023	1	0969-8051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150050665&doi=10.1016%2fj.nucmedbio.2023.108331&partnerID=40&md5=ddbf9d1cf4bfd8798368acdec50c1d0d
Remarkable enhancement in durability of ZrCo alloy against hydrogen induced disproportionation by Ti and Nb co-sub	Jat R.A., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai-400 085, India; Rawat D., Pro	Chemical Sciences	International Journal of Hydrogen Energy	2023	5	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143965934&doi=10.1016%2fj.ijhydene.2022.11.086&partnerID=40&md5=b773f4ac8eee62e8e6419ee51690d80f
Temperature Dependent Crystal Structure of Nd2CuTiO6: An In Situ Low Temperature Powder Neutron Diffraction Stu	Kumar N., UGC-DAE Consortium for Scientific Research Mumbai Centre, Bhabha Atomic Research Centre, Mumbai, 40008	Chemical Sciences	Crystals	2023	1	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152384500&doi=10.3390%2fcryst13030503&partnerID=40&md5=63b5c0dd5d67fcac4744c7d74205f358
Studies on synthesis and densification of niobium diboride using carbothermic reduction and hot pressing	Arati D.S., Materials Processing & Corrosion Engineering Division, Materials Group, Bhabha Atomic Research Centre, Mum	Chemical Sciences; Engineering Sciences	International Journal of Refractory Metals and Hard Materials	2023	3	0263-4368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146592042&doi=10.1016%2fj.ijrmhm.2023.106119&partnerID=40&md5=9217d09de9f89ee680b00f9786315b89
Structural investigation of Ayurveda Lauha (Iron) Bhasma	Tiwari M.K., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, Inc	Physical Sciences	Journal of Ayurveda and Integrative Medicine	2023	0	0975-9476	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148578525&doi=10.1016%2fj.jaim.2023.100690&partnerID=40&md5=33ae928767184ca236e30c7e8a1b3939
Investigating neutron transfer in the Li 6 + Sn 124 system	Parkar V.V., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Inst	Physical Sciences	Physical Review C	2023	4	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149663751&doi=10.1103%2fPhysRevC.107.024602&partnerID=40&md5=ca6e4fa4932e7a0b353ce225b57a7b3d
Two-dimensional short-range spin-spin correlations in the layered spin- 32 maple leaf lattice antiferromagnet Na2Mn	Saha B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149630831&doi=10.1103%2fPhysRevB.107.064419&partnerID=40&md5=13909468255112cfb22fdc3546bca763
Reactor physics calculation and measurement during first approach to criticality of Apsara-U research reactor	Singh T., Reactor Physics and Nuclear Enginnering Section, Research Reactor Services Division, Reactor Group, Bhabha Ato	Physical Sciences	Annals of Nuclear Energy	2023	0	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145261611&doi=10.1016%2fj.anucene.2022.109636&partnerID=40&md5=a85f851317287acdf1b32ececcb26f0b
Chemical characterization of automobile windshield glass samples for major, minor, and trace elemental concentratio	Sharma V., Department of Nuclear and Radiochemistry, Kishinchand Chellaram College, Mumbai, 400020, India, Radioche	Chemical Sciences	RSC Advances	2023	5	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148657813&doi=10.1039%2fd3ra00069a&partnerID=40&md5=6ef2ba580bb12a6a16cb294767156bcd
Insight into the negative magnetization and anomalous exchange-bias in DyFe5Al7 through neutron depolarization an	Deepak, Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Physical Sciences	Journal of Physics Condensed Matter	2023	2	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144365851&doi=10.1088%2f1361-648X%2faca24d&partnerID=40&md5=373d8aaad8537c012a2593675cca83ec
Multiple Magnetic Phases and Anomalous Hall Effect in Sb1.9Fe0.1Te2.85S0.15 Topological Insulators	Pal D., Department of Physics, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221005, India; Verma A	Physical Sciences	Journal of Physical Chemistry C	2023	0	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147214819&doi=10.1021%2facs.jpcc.2c06655&partnerID=40&md5=d037b1cbcce358c81d47de9c8e90411c
Defect-Induced Adsorption Switching (p- to n- Type) in Conducting Bare Carbon Nanotube Film for the Development c	Prakash J., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, An	Chemical Sciences; Engineering Sciences	ACS Omega	2023	2	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148060597&doi=10.1021%2facsomega.2c07314&partnerID=40&md5=fa71bd9bb5edea4df458d2797f206f8a
NtcA, LexA and heptamer repeats involved in the multifaceted regulation of DNA repair genes recF, recO and recR in t	Pradhan M., Cyanobacterial Stress Biology and Biotechnology Section, Molecular Biology Division, Bhabha Atomic Researc	Life Sciences	Biochimica et Biophysica Acta - Gene Regulatory Mechanisms	2023	0	1874-9399	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146277733&doi=10.1016%2fj.bbagrm.2023.194907&partnerID=40&md5=1436fd624a90af25847dfd5f43f8a623
Pressure-Induced Monoclinic to Tetragonal Phase Transition in RTaO4 (R = Nd, Sm): DFT-Based First Principles Studies	Banerjee S., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085,	Physical Sciences	Crystals	2023	3	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149207875&doi=10.3390%2fcryst13020254&partnerID=40&md5=ea82284d71265d64a2d4de637d0bf98e
Probable maximum tropical cyclone parameters for east and west coast of India	Kumar D.S., Homi Bhabha National Institute (HBNI), Mumbai, India; Behera M.R., Department of Civil Engineering, Indian I	Engineering Sciences; Physical Sciences	Natural Hazards	2023	1	0921-030X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144867321&doi=10.1007%2fs11069-022-05773-2&partnerID=40&md5=3d167fd1219d36061130782cafbba069
Structure and stability of Au, Au2 and Au8 cluster on Ni(111) supported h-BN sheet: Role of size and support towards	Banerjee S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute	Chemical Sciences	Physica E: Low-Dimensional Systems and Nanostructures	2023	3	1386-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142176143&doi=10.1016%2fj.physe.2022.115561&partnerID=40&md5=f3cb49f6378e21d47a074ce49d8a5d90
Metal-decorated γ-graphyne as a drug transporting agent for the mercaptopurine chemotherapy drug: a DFT study	Pallikkara Chandrasekharan S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma (	Physical Sciences	Physical Chemistry Chemical Physics	2023	6	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151003800&doi=10.1039%2fd2cp05379a&partnerID=40&md5=da466265cf26e83fb07ff5c6fcf0dbfc
Crystallization kinetics and structural studies of Li1.25Al0.5Ge1.5P2.75Mo0.25O12 (LAGPM) glass/glass-ceramics base	Das A., Glass & Advanced Materials Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences; Physical Sciences	Materials Chemistry and Physics	2023	2	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145668294&doi=10.1016%2fj.matchemphys.2022.127291&partnerID=40&md5=7287e059dfe71e1dc5e165c867c66439
Silver nanoparticles-immobilized-radiation grafted polypropylene fabric as breathable, antibacterial wound dressing	Mehta K., University School of Basic and Applied Sciences, Guru Gobind Singh Indraprastha University, Dwarka, New Delhi	Chemical Sciences	Radiation Physics and Chemistry	2023	3	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143334849&doi=10.1016%2fj.radphyschem.2022.110683&partnerID=40&md5=be85c2becd8e5263f90cea2a939a6f22
Inverse 'intra-lattice' charge transfer in nickel-molybdenum dual electrocatalysts regulated by under-coordinating the	Parvin S., Department of Chemical Sciences and Centre for Advanced Functional Materials, Indian Institute of Science Edu	Physical Sciences	Chemical Science	2023	2	2041-6520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149245686&doi=10.1039%2fd2sc04617b&partnerID=40&md5=99c61b18bb6793f9d4f0423db2e62b6e
Expansion of a finite-size photoplasma in an electrostatic field with M-type electrode configuration using a novel adap	Singh P., Homi Bhabha National Institute, Trombay, Mumbai, 400094, India; Sridhar G., Homi Bhabha National Institute, T	Engineering Sciences; Physical Sciences	Current Applied Physics	2023	4	1567-1739	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145654176&doi=10.1016%2fj.cap.2022.12.007&partnerID=40&md5=3e6f528dc6a34c0c140208be273c48d7
Defect-Engineering of 2D Dichalcogenide VSe2 to Enhance Ammonia Sensing: Acumens from DFT Calculations	Sanyal G., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Kaur S.P., D	Physical Sciences	Biosensors	2023	6	2079-6374	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148965065&doi=10.3390%2fbios13020257&partnerID=40&md5=e1f351a0e7ce699759db73855869e0c1
Bulk and monolayer thermoelectric and optical properties of anisotropic NbS2Cl2	Natarajan A.R., Department of Physics, Indian Institute of Technology Hyderabad, Kandi, Telangana, Sangareddy, 502285,	Physical Sciences	Materials Today Communications	2023	0	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146055912&doi=10.1016%2fj.mtcomm.2022.105309&partnerID=40&md5=465eeda6d8d7792fcfe819cf086b6160
Experimental Investigation and Crystal Plasticity Simulation with Damage for Single Crystal Copper Subjected to Tensil	Paik S., Homi Bhabha National Institute, Mumbai, 400094, India; Naveen Kumar N., Materials Science Division, Bhabha Atc	Engineering Sciences	Metals and Materials International	2023	4	1598-9623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139152522&doi=10.1007%2fs12540-022-01256-y&partnerID=40&md5=353988fe2b773721d25174b47c3dae95
High-Pressure X-ray Diffraction Study of Orthorhombic Ca2Zr5Ti2O16	Garcia-Sanchez T., Departamento de Ingeniería Eléctrica, MALTA Consolider Team, Universitat Politècnica de València, Ca	Chemical Sciences	Journal of Physical Chemistry C	2023	3	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146672294&doi=10.1021%2facs.jpcc.2c08011&partnerID=40&md5=258d9417728187b094966ffacf4302b9
Structure of water in poly(vinyl alcohol)-based ferrogels: effect of carbonyl iron concentration	Lawrence M.B., Department of Physics, St. Xavier's College, Goa, Mapusa, 403508, India; Rao R., Solid State Physics Divisio	Physical Sciences	Journal of Polymer Research	2023	3	1022-9760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147325937&doi=10.1007%2fs10965-023-03477-0&partnerID=40&md5=2d5f61ad6b674a072e545c7e996800e1
Non-invasive mixing time estimation in unbaffled stirred tank: An ultrasonic approach	Mukherjee D., Control Instrumentation Division, Bhabha Atomic Research Centre, Mumbai, India; Sen N., Chemical Engine	Engineering Sciences	AIChE Journal	2023	3	0001-1541	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144011197&doi=10.1002%2faic.17966&partnerID=40&md5=4ed18002fea178acf4a2ea0d765d2fcc
Evolution of the valence state of Ru metal ions in correlation with the structural and electronic properties of double p	Dani S., Department of Physics, Indian Institute of Technology, Punjab, Roopnagar, 140001, India; Pandit R., Department o	Chemical Sciences	Journal of Materials Chemistry C	2023	4	2050-7534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150191100&doi=10.1039%2fd2tc05072b&partnerID=40&md5=e88f20487dc3eefda35acf66a06ede42
Magnetic studies of Mn2+substituted Zn-ferrite nanoparticles: Role of secondary phases, bond angles and magnetocr	Deepty M., Nanomaterials and Nanomagnetism Research Laboratory, Department of Physics, Sasi Institute of Technology	Physical Sciences	Solid State Communications	2023	10	0038-1098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147250245&doi=10.1016%2fj.ssc.2023.115077&partnerID=40&md5=336cce5671bda76d2103c66a623e1e99
Measurements of second-harmonic Fourier coefficients from azimuthal anisotropies in p+p, p+Au, d+Au, and He 3 +A	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State University, A	Physical Sciences	Physical Review C	2023	3	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149675672&doi=10.1103%2fPhysRevC.107.024907&partnerID=40&md5=2a2a457942fcc431502f23940448676d
Assessment of ionic site distributions in magnetic high entropy oxide of (Mn0·2Fe0·2Co0·2Ni0·2Zr0.2)3O4 and its cata	Shaw S.K., Department of Metallurgical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi, 2	Physical Sciences	Physica B: Condensed Matter	2023	6	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146052633&doi=10.1016%2fj.physb.2023.414653&partnerID=40&md5=3b027fe5a45ea75f274af54acb621d2b
Ferrimagnetic (α-Mn3O4/MnO)@rGO nanocomposite as potential adsorbent for organic pollutant dye	Gangwar A., Department of Metallurgical Engineering, Indian Institute of Technology (BHU), Uttar Pradesh, Varanasi, 221	Chemical Sciences	Applied Surface Science	2023	10	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142727895&doi=10.1016%2fj.apsusc.2022.155778&partnerID=40&md5=cfc2994f9d09e0524d60badeb20990e3
Anomalous Viscosity, Aggregation, and Non-Ergodic Phase of Laponite® RD in a Water–Methanol Binary Solvent	Tiwari P., Soft Condensed Matter Laboratory, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, I	Physical Sciences	Clays and Clay Minerals	2023	0	0009-8604	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158010983&doi=10.1007%2fs42860-023-00229-5&partnerID=40&md5=0b783565a86696f158de5954497b5d37
Fluorination-Induced Asymmetry in Vacancy-Ordered Brownmillerite: Route to Multiferroic Behavior	Aich P., School of Materials Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, 700032, India; D	Life Sciences	Chemistry of Materials	2023	1	0897-4756	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147505110&doi=10.1021%2facs.chemmater.2c02776&partnerID=40&md5=58cef9975940ea3a3c1854f47a762b71
A review of the synthesis, properties, and applications of 2D transition metal dichalcogenides and their heterostructu	Joseph S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Ke	Physical Sciences	Materials Chemistry and Physics	2023	47	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146632486&doi=10.1016%2fj.matchemphys.2023.127332&partnerID=40&md5=daf433244d52e3d96fb1705a77522098
Pristine and transition metal decorated holey graphyne monolayer as an ammonia sensor: insights from DFT simulatic	Lakshmy S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University,	Physical Sciences	Journal of Physics D: Applied Physics	2023	12	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146496478&doi=10.1088%2f1361-6463%2facae2e&partnerID=40&md5=68e4a5e5c33eae67449f9d7bf3f43233
Mechanistic and evolutionary insights into alkaline phosphatase superfamily through structure-function studies on Sp	Bihani S.C., Protein Crystallography Section, Radiation Biology & Health Sciences Division, Bhabha Atomic Research Centre	Life Sciences	Archives of Biochemistry and Biophysics	2023	0	0003-9861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147112730&doi=10.1016%2fj.abb.2023.109524&partnerID=40&md5=57a3289178e045dad13e936a8c751135
Dynamics of hydrogen bond reorganization in the S1(ππ*) state of 9-Anthracenecarboxaldehyde	Ghosh R., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	1	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141980509&doi=10.1016%2fj.jphotochem.2022.114379&partnerID=40&md5=a875128bf3c27d21c50915c534f299d5
Experimental study of different innovative measurement methodologies applied to a canned pulsed eddy current test	Shyam T.V., Reactor Engineering Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, HomiBhabh	Engineering Sciences	Insight: Non-Destructive Testing and Condition Monitoring	2023	1	1354-2575	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149285124&doi=10.1784%2finsi.2023.65.2.80&partnerID=40&md5=83dca4fa414da250211f9cca647681f1
Effect of magnetic phase coexistence on spin-phonon coupling and magnetoelectric effect in polycrystalline Sm0.5Y0.	Raut S., Department of Physics and Astronomy, NIT Rourkela, Sundargarh, Odisha, Rourkela, 769008, India; Chakravarty S.	Physical Sciences	Physica B: Condensed Matter	2023	1	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146217296&doi=10.1016%2fj.physb.2022.414593&partnerID=40&md5=1d83162ca3b10227793a2c26fc3439c2
Prediction of donor-acceptor-type novel noble gas complexes in the triplet electronic state	Kuntar S.P., Homi Bhabha National Institute, Training School complex, Anushaktinagar, Mumbai, 400094, India, Bio-Scienc	Chemical Sciences	Physical Chemistry Chemical Physics	2023	2	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149066508&doi=10.1039%2fd2cp05813h&partnerID=40&md5=117b2cdffa0098621eaac39459a25cf1
Functionalized Fluorescent Nanostructures Generated from Self-Assembly of a Cationic Tripeptide Direct Cell-Selectiv	Sivagnanam S., Department of Chemistry, SRM Institute of Science and Technology, SRM Nagar, Potheri, Tamil Nadu, Katt	Chemical Sciences	ACS Applied Bio Materials	2023	5	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148069368&doi=10.1021%2facsabm.2c00996&partnerID=40&md5=1c5c23bc56f0fba0dada35f8b4d34852
68Ga-Labeled Trastuzumab Fragments for ImmunoPET Imaging of Human Epidermal Growth Factor Receptor 2 Expres	Suman S.K., Radiopharmaceuticals Division, Bhabha Atomic Research Centre (BARC), Mumbai, India, Homi Bhabha Nationa	Life Sciences	Cancer Biotherapy and Radiopharmaceuticals	2023	1	1084-9785	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147389742&doi=10.1089%2fcbr.2022.0042&partnerID=40&md5=0cc8118d47abe7bb87abf4554dd33c53
Gate Opening Induced High Pore Volume Expansion in Flexible Zeolitic Imidazole Frameworks during CO2 Adsorption:	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Homi Bhabha Nation	Chemical Sciences	Journal of Physical Chemistry C	2023	6	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147266212&doi=10.1021%2facs.jpcc.2c07284&partnerID=40&md5=642562deb5948a984dc4227cfb2bcfc3

Investigation of flow dynamics of molten glass in different solar glass production units using radiotracer method	Goswami S., Isotope and Radiation Application Division, Bhabha Atomic Research Research Centre, Mumbai, 400085, Indi	Chemical Sciences	Applied Radiation and Isotopes	2023	1	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146435914&doi=10.1016%2fj.apradiso.2023.110662&partnerID=40&md5=29e2032fbbc2312232c91a77368ac251
Simulation study to assess the effectiveness of gamma radiation for inactivation of viruses on food packaging materia	Tripathi J., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Saxena S., Food Technolog	Life Sciences	Radiation Physics and Chemistry	2023	3	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143542578&doi=10.1016%2fj.radphyschem.2022.110678&partnerID=40&md5=3239fa3c190d9d1eff456dc5e7c01216
Modulation of Surface Ti-O Species in 2D-Ti3C2TX MXene for Developing a Highly Efficient Electrocatalyst for Hydroge	Navjyoti N., Department of Physics, Guru Nanak Dev University, Amritsar, 143005, India; Sharma V., Department of Physic	Physical Sciences	Langmuir	2023	14	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148416612&doi=10.1021%2facs.langmuir.2c02845&partnerID=40&md5=3e7ecf9cf3ed6a67788480474c5e12f3
Low- pT direct-photon production in Au+Au collisions at sNN =39 and 62.4 GeV	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State University, A	Physical Sciences	Physical Review C	2023	6	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149624348&doi=10.1103%2fPhysRevC.107.024914&partnerID=40&md5=047077f04340f37eb7d07491351ccc15
Pressure tuning of structure, magnetic frustration, and carrier conduction in the Kitaev spin liquid candidate Cu2IrO3	Pal S., Department of Physics, Indian Institute of Science, Bengaluru, 560012, India; Malavi P., Department of Physics, Indi	Physical Sciences	Physical Review B	2023	3	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148328833&doi=10.1103%2fPhysRevB.107.085105&partnerID=40&md5=f518029deeb6e5308e6d9ec997730f80
Diglycolamides as highly efficient carrier ligands for actinide transport in supported liquid membranes	Ansari S.A., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mohapatra P.K., Radiochen	Chemical Sciences	Desalination and Water Treatment	2023	2	1944-3994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151476612&doi=10.5004%2fdwt.2023.29277&partnerID=40&md5=0d03c9069cbc0a2b3852c3a350da5b0b
Machine learning approach for label-free rapid detection and identification of virus using Raman spectra	Alexander R., Glass & Advanced Materials Division, Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, Ir	Chemical Sciences; Engineering Science	Intelligent Medicine	2023	3	2096-9376	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147124485&doi=10.1016%2fj.imed.2022.10.001&partnerID=40&md5=023547fa293223565f648652ae0d48e5
Defects and doping engineered two-dimensional o-B2N2 for hydrogen evolution reaction catalyst: Insights from DFT s	Chodvadiya D., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Gujarat, Vadodara	Physical Sciences	International Journal of Hydrogen Energy	2023	20	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142742498&doi=10.1016%2fj.ijhydene.2022.10.211&partnerID=40&md5=326f2d14502fbf5d1bd286da25937e35
Boron carbide thin film surface characterization after graphitic carbon removal using low-pressure oxygen gas RF plas	Yadav P.K., Soft X-ray Applications Lab, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, India; Gupta R.K.	Physical Sciences	Applied Optics	2023	0	1559-128X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147842831&doi=10.1364%2fAO.482981&partnerID=40&md5=160e4afc5a3a04d77295ce580f4c9f04
A DFT study on the reaction pathway involved in the metal-ion-templated synthesis of benzo-21-crown-7(B21C7) fron	Sisodiya D.S., Department of Chemistry, Birla Institute of Technology and Science (BITS), Goa, Pilani, India; Ali S.M., Chemi	Chemical Sciences	Journal of Physical Organic Chemistry	2023	1	0894-3230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144025207&doi=10.1002%2fpoc.4471&partnerID=40&md5=ae5bbb07c718357710d752268df0ceb7
A highly sensitive method for uranium quantification in water samples at ultra-trace level by total reflection X-ray fluo	Sanyal K., Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences	Talanta	2023	4	0039-9140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145425443&doi=10.1016%2fj.talanta.2022.124129&partnerID=40&md5=72119d028584be58380dab12437ac1ec
Thermal neutron as a potential mutagen for induced plant mutation breeding: radiosensitivity response on wheat and	Kadam S.T., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 4000	Physical Sciences	Genetic Resources and Crop Evolution	2023	2	0925-9864	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137042625&doi=10.1007%2fs10722-022-01461-z&partnerID=40&md5=250fa2407d66c7e058ea3e26049a8f08
Solvation Structure and Dynamics of Aqueous Solutions of Au+ Ions: A Molecular Dynamics Simulation Study	Saha S., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Homi Bhabha N	Chemical Sciences	Journal of Solution Chemistry	2023	0	0095-9782	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146608822&doi=10.1007%2fs10953-022-01234-3&partnerID=40&md5=9af194d58ccb432e521f775043f9f721
An FPGA-based automated approach for identification and setting of the single electron response threshold voltage in	Sharma M.K., Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha N	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	1	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144581648&doi=10.1016%2fj.nima.2022.167925&partnerID=40&md5=102fa4791dcecda5cdf8be251b5a2798
Exudation of microplastics from commonly used face masks in COVID-19 pandemic	Bhangare R.C., Environmental Monitoring and Assessment Division, Health Safety and Environment Group, Bhabha Atomi	Chemical Sciences; Physical Sciences	Environmental Science and Pollution Research	2023	15	0944-1344	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144218829&doi=10.1007%2fs11356-022-24702-1&partnerID=40&md5=8b7fa0bc24cc1b63f60f2770cb322f53
Investigating Cr dealloying and Li ingress in Ni-Mo-Cr alloys with different Mo/Cr ratio exposed to FLiNaK salt	Banerjee R.H., Materials Science Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Singh V., M	Engineering Sciences	Corrosion Science	2023	8	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145296549&doi=10.1016%2fj.corsci.2022.110929&partnerID=40&md5=4e4493c12a8bf39e6cd06b6b13b42ec7
Withaferin A, a steroidal lactone, selectively protects normal lymphocytes against ionizing radiation induced apoptosi	Checker R., Radiation Biology & Health Sciences Division, Bio-science Group, Bhabha Atomic Research Centre, Mumbai, Tr	Life Sciences	Toxicology and Applied Pharmacology	2023	3	0041-008X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147565006&doi=10.1016%2fj.taap.2023.116389&partnerID=40&md5=68a576c0ca07637ac0868d4199cf870d
Interstitial Zinc Boosted Light Tunability, Afterglow, and Ultrabright White Emission in Zinc Germanate (Zn2GeO4)	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	ACS Applied Electronic Materials	2023	15	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147556928&doi=10.1021%2facsaelm.2c01759&partnerID=40&md5=f8f0af93b9133b2ad05f7092fff541ab
Highly Stable Electrochemical Supercapacitor Performance of Self-Assembled Ferromagnetic Q-Carbon	Karmakar S., Electrical Engineering, Ingram School of Engineering, Texas State University, San Marcos, 78666, TX, United S	Physical Sciences	ACS Applied Materials and Interfaces	2023	12	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147595812&doi=10.1021%2facsami.2c20202&partnerID=40&md5=59c785e962ea7c1dcfffa9653dbad013
High thermoelectric performance of layered LaAgX O (X=Se,Te) from electrical and thermal transport calculations	Natarajan A.R., Department of Physics, Indian Institute of Technology Hyderabad, Kandi, Telangana, Sangareddy, 502285,	Physical Sciences	Physical Review Materials	2023	5	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149673571&doi=10.1103%2fPhysRevMaterials.7.025405&partnerID=40&md5=f6ae8a210d0908991ec674b131c44ac0
Pressure-Induced Structural Phase Transitions in the Chromium Spinel LiInCr4O8 with Breathing Pyrochlore Lattice	Varma M., Experimentalphysik II, Augsburg University, Augsburg, 86159, Germany; Krottenmüller M., Experimentalphysik	Physical Sciences	Crystals	2023	1	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149198127&doi=10.3390%2fcryst13020170&partnerID=40&md5=b0e1ddfe8fe18cf28cd9ba1a948823ae
Studies of Transient Photoplasma Evolution in an Electrostatic Field: Single Particle Motion to Its Collective Behavior	Jana B., Bhabha Atomic Research Centre, Advanced Tunable Laser Application Facility, Beam Technology Development Gr	Engineering Sciences	IEEE Transactions on Plasma Science	2023	1	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148452224&doi=10.1109%2fTPS.2022.3233808&partnerID=40&md5=2584f7a47f61b9eb0f20a15ffa21142b
Ultrafast isomerization vs bond twisting process – role of a proton	Santra S., UM-DAE Centre for Excellence in Basic Sciences, Kalina Campus, Mumbai University, Mumbai, 400 098, India; M	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	0	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143873194&doi=10.1016%2fj.jphotochem.2022.114474&partnerID=40&md5=7a6098c7b17d35c0fe97b265f7889cb9
Simulation of coupled flow and contaminant transport in an unconfined aquifer using the local radial point interpolati	Swetha K., Homi Bhabha National Institute (HBNI), Mumbai, India; Eldho T.I., Department of Civil Engineering, Indian Instit	Engineering Sciences	Hydrogeology Journal	2023	3	1431-2174	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142297152&doi=10.1007%2fs10040-022-02558-6&partnerID=40&md5=9518a03f171058e538792b1a2b4a1fcc
Probing reaction mechanisms through residual cross section measurement for 7Li+Zn system	Singh A., Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand, Roorkee, 247667, India; Maiti M., D	Chemical Sciences	Physica Scripta	2023	5	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147330934&doi=10.1088%2f1402-4896%2facb299&partnerID=40&md5=de5e547eee90f31921b04822a0f40ba8
Mitochondriotropic Derivative of Ethyl Ferulate, a Dietary Phenylpropanoid, Exhibits Enhanced Cytotoxicity in Cancer	Patil A.S., Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh Mar	Life Sciences	Applied Biochemistry and Biotechnology	2023	2	0273-2289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142365302&doi=10.1007%2fs12010-022-04252-5&partnerID=40&md5=725db6861921b943890ef9627c042167
Excitation Frequency Effect on Breast Cancer Cell Death by Atmospheric Pressure Cold Plasma	Chaturvedi Misra V., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, In	Life Sciences; Physical Sciences	Plasma Chemistry and Plasma Processing	2023	6	0272-4324	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146953922&doi=10.1007%2fs11090-023-10312-3&partnerID=40&md5=a35344672f25ac810c190b2c3e246ae0
Accurate Determination of the Bandgap Energy of the Rare-Earth Niobate Series	Garg A.B., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, I	Physical Sciences	Journal of Physical Chemistry Letters	2023	28	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148030523&doi=10.1021%2facs.jpclett.3c00020&partnerID=40&md5=59e67cae9980001aad9a255f135c9549
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Deciphering the Role of Gamma Ray Induced Radicals in the Thermoluminescence Process of a Neutral to Cool Dayligh	Mohapatra M., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Chemical Sciences	ACS Applied Optical Materials	2023	0	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186240490&doi=10.1021%2facsaom.2c00126&partnerID=40&md5=4e7323979fb794636e3f9ec9633ef4b0
Dynamic Response of Single Crystal Al, Cu & Ni Upon Impact : MD and Ab-Initio Calculations	Madhavan S., CAD, Bhabha Atomic Research Centre, Andhrapradesh, Visakhapatnam, 531011, India; Mishra V., CAD, Bhab	Physical Sciences	Journal of Dynamic Behavior of Materials	2023	5	2199-7446	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141980300&doi=10.1007%2fs40870-022-00356-5&partnerID=40&md5=abae45708eb7c73ab6b75052fd80b357
Miniaturized double transit magnetic field measurement probe using the Faraday rotation principle	Kanchi S., Homi Bhabha National Institute, Mumbai, 400094, India, Pulsed Power & Electro-Magnetics Division, Bhabha At	Engineering Sciences; Physical Sciences	Applied Optics	2023	0	1559-128X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147245764&doi=10.1364%2fAO.479671&partnerID=40&md5=92b91fe2feb47a0d0b0ac824f6a8217a
G-quadruplex binding affinity variation on molecular encapsulation of ligands by porphyrin-tethered cyclodextrin	Alexander A., Centre for Nanoscience and Genomics, Karunya Deemed University, Tamil Nadu, Coimbatore, 641114, India	Chemical Sciences	Journal of Molecular Liquids	2023	0	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146147748&doi=10.1016%2fj.molliq.2023.121233&partnerID=40&md5=43411429468cb4331306fe72ca08ed4f
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In View of “On-Site” Nuclear Forensics and Assay of Fissile Materials in Sealed Packages by High-Resolution γ-Ray Spec	Kumar S., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Patra S., Radiocher	Chemical Sciences	Analytical Chemistry	2023	1	0003-2700	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147426376&doi=10.1021%2facs.analchem.2c04110&partnerID=40&md5=473c67ba13ec74fdc44491d7d7592956
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Transcription coupled DNA repair protein UVSSA binds to DNA and RNA: Mapping of nucleic acid interaction sites on h	Mistry H., Radiation Biology & Health Science Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Nat	Life Sciences	Archives of Biochemistry and Biophysics	2023	2	0003-9861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146086036&doi=10.1016%2fj.abb.2023.109515&partnerID=40&md5=1a5011a37cdc1b38892b23b08f669576
Understanding the Effects of Tetrahedral Site Occupancy by the Zn Dopant in Li-NMCs toward High-Voltage Compositi	Sharma A., Advanced Batteries & Ceramics Laboratory (formerly, High Temperature and Energy Materials Laboratory), De	Physical Sciences	ACS Applied Materials and Interfaces	2023	6	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145987535&doi=10.1021%2facsami.2c15054&partnerID=40&md5=f152dfb0de68dc1b08ded24673d9d7ce
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Structural and vibrational properties of GdTaO4under compression: An insight from experiment and first principles sir	Banerjee S., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085,	Physical Sciences	Journal of Applied Physics	2023	3	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146400286&doi=10.1063%2f5.0132944&partnerID=40&md5=bd19469edc95b11e56bfd50c82b6e5fc
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Sequestration of Np4+ and NpO22+ ions by using diglycolamide-functionalized azacrown ethers in C8mim·NTf2 ionic l	Gujar R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Verma P.K., Radiochemistry	Chemical Sciences	Journal of Molecular Liquids	2023	7	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143735192&doi=10.1016%2fj.molliq.2022.120872&partnerID=40&md5=e7cf61ec5c29984071348b03aab66b9c
New approach for efficient separation of U and Mo using a task-specific ionic liquid from hydrochloric acid medium: e	Pathak S., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Srivastava A., Radiochemistr	Chemical Sciences	New Journal of Chemistry	2023	5	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149031051&doi=10.1039%2fd2nj06324g&partnerID=40&md5=146819bb491bcf536faf8bdd84e3c7aa
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LET spectrometry for p+nat(Li+C) system at different proton energies using CR-39: Development of autoLET code for a	Sahoo G.S., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Paul S., Health Physics Divis	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	1	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144078644&doi=10.1016%2fj.nima.2022.167896&partnerID=40&md5=0804e898f5d12cd2864ca7715fb0ea1a
Interaction of lanthanide and actinide with BaHfO3 perovskite: A case study with cerium and uranium	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, Mu	Chemical Sciences; Physical Sciences	Journal of the American Ceramic Society	2023	5	0002-7820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139875920&doi=10.1111%2fjace.18813&partnerID=40&md5=264ebec5841869c7e777031f4d5c7765
Reversible hydrogen adsorption in Ti-functionalized porous holey graphyne: Insights from first-principles calculation	Dewangan J., Indian Institute of Technology Bombay, Mumbai, India; Mahamiya V., Indian Institute of Technology Bombay	Physical Sciences	Energy Storage	2023	14	2578-4862	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135261107&doi=10.1002%2fest2.391&partnerID=40&md5=f33dab9b8994e4407c1382affa804169
Experimental and theoretical insight into biphasic extractive mass transfer of thorium into ionic liquid phase using chl	Deshmukh S., Department of Chemistry, K.J.Somaiya College of Science and Commerce, India; Bhatt A.M., Department of	Chemical Sciences	Journal of Molecular Liquids	2023	4	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144604929&doi=10.1016%2fj.molliq.2022.121074&partnerID=40&md5=d19fd83c8c073889a7c496b9bead3089
Porosimetry of zeolitic imidazolate frameworks using positron annihilation lifetime spectroscopy	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Utpalla P., Radiochemistry Divi	Chemical Sciences; Physical Sciences	Microporous and Mesoporous Materials	2023	12	1387-1811	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143373373&doi=10.1016%2fj.micromeso.2022.112389&partnerID=40&md5=72f218f15ad5bb1a4ef5366c486cd99a
Fluidization-based chemical vapour deposition for alumina coating on tubular carbon steel substrates—Modelling and	Dabhade P.A., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Mumbai, India; Mandal D., Alkali Materia	Engineering Sciences	Canadian Journal of Chemical Engineering	2023	1	0008-4034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129272797&doi=10.1002%2fcjce.24394&partnerID=40&md5=afecd705b2988699d2fe3a999ade95a8
Reaction-Diffusion-Driven Stoichiometric Gradient in Coevaporated Superconducting NiBi3 Thin Films	Das B., School of Physical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha Nationa	Physical Sciences	Crystal Growth and Design	2023	5	1528-7483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146555557&doi=10.1021%2facs.cgd.2c01150&partnerID=40&md5=36098025963988ee7be83f5c086be7cf
Sugar moiety driven adsorption of nucleic acid on graphene quantum dots: Photophysical, thermodynamic and theore	Maiti S., UGC-DAE Consortium for Scientific Research, Kolkata Centre, III/LB-8 Bidhannagar, Kolkata, 700106, India; Karma	Physical Sciences	Journal of Molecular Liquids	2023	1	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145265284&doi=10.1016%2fj.molliq.2022.121148&partnerID=40&md5=4e4290ed83f7b54ad3b464bf95174797
Transient heat transfer characteristics of submerged heat source under seismic excitation	Chauhan S.P., Homi Bhabha National Institute, Mumbai, India, Mumbai, 400085, India; Chandraker D.K., Reactor Engineer	Engineering Sciences	International Journal of Thermal Sciences	2023	1	1290-0729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139283279&doi=10.1016%2fj.ijthermalsci.2022.107964&partnerID=40&md5=621d999d81686b83fcf6b74e3e0229fb
Band gap and defect engineering of bismuth vanadate using La, Ce, Zr dopants to obtain a photoelectrochemical syste	Prakash J., Materials Group, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, Anushakti N	Chemical Sciences; Engineering Science	Dalton Transactions	2023	2	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147162987&doi=10.1039%2fd2dt03304f&partnerID=40&md5=b056b6a737c6aff5b6fa172b99081cec
Determination of thallium in vegetative plant leaves near industrial areas by high-resolution continuum source electro	Meeravali N.N., National Center for Compositional Characterization of Materials (NCCCM), Bhabha Atomic Research Centr	Chemical Sciences	Spectrochimica Acta - Part B Atomic Spectroscopy	2023	6	0584-8547	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146224151&doi=10.1016%2fj.sab.2022.106613&partnerID=40&md5=6c8b055cff084a41233bc633e163b0b6
Unravelling the Potential of Lutetium-177 Labeled Pertuzumab: Targeting HER 2 Receptors for Theranostic Application	Sharma R., Radiopharmaceuticals Division, Bhabha Atomic Research Centre (BARC), Maharashtra, Mumbai, India, Homi Bh	Life Sciences	International Journal of Radiation Oncology Biology Physics	2023	3	0360-3016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139730176&doi=10.1016%2fj.ijrobp.2022.07.029&partnerID=40&md5=d3ae40b0425bfecddec106c3d66aec90
Bonding of isovalent homologous actinide and lanthanide pairs with chalcogenide donors: effect of metal f-orbital par	Chattaraj S., Health Physics Division, Health, Safety and Environment Group, Bhabha Atomic Research Centre, Mumbai, 40	Chemical Sciences	Structural Chemistry	2023	2	1040-0400	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143369399&doi=10.1007%2fs11224-022-02094-9&partnerID=40&md5=0178779a99c861b285f1f184b4a33be5
Assessing the prospect of XAFS experiments of metalloproteins under in vivo conditions at Indus-2 synchrotron facility	Lahiri D., High Pressure and Synchrotron Radiation Physics, Bhabha Atomic Research Centre, Mumbai, 400085, India; Agra	Life Sciences; Physical Sciences	Journal of Synchrotron Radiation	2023	0	0909-0495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149699728&doi=10.1107%2fS1600577522011791&partnerID=40&md5=4e0c4616c7e6e609d251e0021b487970
On the Propensity of Excess Hydroxide Ions at the Alcohol Monolayer-Water Interface	Bandyopadhyay D., Heavy Water Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Bhanja K., Heavy Wa	Chemical Sciences	Journal of Physical Chemistry B	2023	0	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146394876&doi=10.1021%2facs.jpcb.2c05719&partnerID=40&md5=e33d7eb987c1aab09354849023fcc8aa
Simple, Fast, and Selective Dissolution of Eu2O3 in an Ionic Liquid as a Sustainable Paradigm for Lanthanide-Actinide S	Verma P.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mahanty B., Radiochemist	Chemical Sciences; Physical Sciences	Inorganic Chemistry	2023	8	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144430349&doi=10.1021%2facs.inorgchem.2c02965&partnerID=40&md5=038487ea46c3eb977cce1c08a94114f7
Bioactive fluorcanasite reinforced magnesium alloy-based porous bio-nanocomposite scaffolds with tunable mechani	Garimella A., Engineered Biomedical Materials Research and Innovation Centre (EnBioMatRIC), Department of Mechanica	Physical Sciences	Journal of Biomedical Materials Research - Part B Applied Biomaterials	2023	5	1552-4973	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139457880&doi=10.1002%2fjbm.b.35166&partnerID=40&md5=0ad1d3ad5329fce0498a36d1721a3110
Biodegradable Methane Sulfonic Acid-Based Nonaqueous Dissolution, Estimation, and Recovery: Toward Developmer	Kumar S.S., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Inst	Chemical Sciences	Industrial and Engineering Chemistry Research	2023	0	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145454405&doi=10.1021%2facs.iecr.2c03473&partnerID=40&md5=517ba12e276d19067050ca3ae4a1ecd0
Study on the integrity of prolonged steam oxidized clad column quenched at various reflood rates	Singh A.R., Mechanical Engineering Department, Indian Institute of Technology Bombay, Maharashtra, Mumbai, 400076, I	Engineering Sciences	Nuclear Engineering and Design	2023	0	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145258812&doi=10.1016%2fj.nucengdes.2022.112109&partnerID=40&md5=84f34414b03c42fa2c5c3b3bb93bbcc6
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CO2 hydrogenation to formic acid on Pd-Cu nanoclusters: a DFT study	Chattaraj D., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Majumde	Chemical Sciences	Physical Chemistry Chemical Physics	2023	5	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146304688&doi=10.1039%2fd2cp03805f&partnerID=40&md5=7ea1ebaa94d0d63ab018fa14c1a40d8c
Experimental Investigations on Heat Transfer Deterioration for Vertical Flow of Supercritical Carbon-Dioxide Under Na	Bodkha K., Engineering Sciences Discipline, Homi Bhabha National Institute, Mumbai, 400094, India, Reactor Design & Dev	Engineering Sciences	ASME Journal of Heat and Mass Transfer	2023	1	2832-8450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143974121&doi=10.1115%2f1.4056230&partnerID=40&md5=56c9bd8a549753c5566470a6a6ae3fab
Thermoresponsive phase behavior and nanoscale self-assembly generation in normal and reverse Pluronics®	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gujarat, Sur	Chemical Sciences; Physical Sciences	Colloid and Polymer Science	2023	3	0303-402X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143542462&doi=10.1007%2fs00396-022-05039-0&partnerID=40&md5=dc2131e86a61d5aa4d741f982f4956c9
Remarkable enhancement in CNT fiber synthesis by reducing convection vortex in floating catalyst chemical vapour de	Kaushal A., Materials Group, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha National Institute, Ar	Engineering Sciences	Chemical Engineering Journal	2023	7	1385-8947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144392518&doi=10.1016%2fj.cej.2022.139142&partnerID=40&md5=5cc11534c2b74655f253631982ceac4b
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Understanding the influence of eccentric pressure tube on the thermal behavior of 37-element based PHWR channel	Ajay K., Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee, 247667, I	Engineering Sciences	Annals of Nuclear Energy	2023	1	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142325985&doi=10.1016%2fj.anucene.2022.109533&partnerID=40&md5=34be88a1d31c9cc0b23958569caf0a44
Phase Evolution and Microstructural Behavior in Plasma-sprayed YPO4 Coating upon Thermal Cycling	Bhandari S., HomiBhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Laser and Plasma Technology Divisio	Chemical Sciences; Engineering Science	Journal of Thermal Spray Technology	2023	0	1059-9630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140242719&doi=10.1007%2fs11666-022-01482-1&partnerID=40&md5=4affac5c800aea16da63ca1de5f17f97
High temperature structure and vibrational properties of GdVO4	Anitha M., Materials Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Mumbai, 400 085, I	Chemical Sciences; Physical Sciences	Materials Chemistry and Physics	2023	6	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143320761&doi=10.1016%2fj.matchemphys.2022.127120&partnerID=40&md5=e8380a2c6600509f6958357079374eb4
Steady state performance of molten salt natural circulation loop with different orientations of heater and cooler	Srivastava A.K., Homi Bhabha National Institute, Mumbai, India, Reactor Design and Development Group, BARC, Mumbai,	Engineering Sciences; Life Sciences	Applied Thermal Engineering	2023	6	1359-4311	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138069199&doi=10.1016%2fj.applthermaleng.2022.119318&partnerID=40&md5=8841568cf138c1870dfca4df199d7805
Study of an interesting interplay between thiourea and 4,6-dimethylpyrimidine-2-thiol with palladium(II) phosphine s	Lokhande S.V., Department of Chemistry, K. J. Somaiya College of Science and Commerce, Mumbai, Vidyavihar, 400077, Ir	Chemical Sciences	Polyhedron	2023	2	0277-5387	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144080921&doi=10.1016%2fj.poly.2022.116221&partnerID=40&md5=8b723694ce3481fe9f521e8c7c6047aa
Compositional variation in Gd2Zr2-xHfxO7:Eu3+ pyrochlore by modulating Zr/Hf ratio and their immediate impact on	Jafar M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Ar	Chemical Sciences	Journal of Molecular Structure	2023	0	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139315690&doi=10.1016%2fj.molstruc.2022.134198&partnerID=40&md5=bb980f242284b122b873c12a4498bc8c
An ultrasensitive and selective method for visual detection of heparin in 100 % human plasma	Pandey S.P., Amity Institute of Biotechnology, Amity University, Mumbai-Pune Expressway, Bhatan Panvel, Mumbai, 4102	Chemical Sciences	Talanta	2023	7	0039-9140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141323565&doi=10.1016%2fj.talanta.2022.124040&partnerID=40&md5=26b0f4f6be047b6cbba3779854225d9f
Uranium-Sensitized Luminescence Enhancement in Li2B4O7:U6+,Eu3+and Potential Application towards Color-Tunabl	Reshmi T.P., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Chemical Sciences; Physical Sciences	ACS Applied Optical Materials	2023	12	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163194530&doi=10.1021%2facsaom.2c00025&partnerID=40&md5=ac77fdd3b2f3499b37da3791dcb9754f
Pressure-Induced Phase Transition in MultilayeredVanadium Diselenide Nanosheets	Mishra K.K., Department of Physics, Institute for Functional Nanomaterials, University of Puerto Rico, San Juan, 00936-83	Physical Sciences	Journal of Physical Chemistry C	2023	1	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145445169&doi=10.1021%2facs.jpcc.2c06694&partnerID=40&md5=eecba025d332ba0682e4c8b358100816

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Effect of dopant oxidation states on enhanced low ppm CO sensing by copper doped zinc oxide	Rudra P., CSIR-Central Glass and Ceramic Research Institute, Jadavpur, Kolkata, India; Chakraborty N., CSIR-Central Glass a	Physical Sciences	Materials Chemistry and Physics	2023	8	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143527639&doi=10.1016%2fj.matchemphys.2022.127047&partnerID=40&md5=c99d1692bed81749f135191bd79f6793
Supramolecular interaction of ofloxacin drug with p-sulfonatocalix[6]arene: Metal-ion responsive fluorescence behavi	Siddharthan A., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bha	Chemical Sciences	Journal of Molecular Liquids	2023	3	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144431980&doi=10.1016%2fj.molliq.2022.121047&partnerID=40&md5=40c78932998682b668868033794165d2
Study of bias-induced degradation mechanism in perovskite CH3NH3PbI3-xClx solar cells by electroluminescence spec	Gupta D., Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Na	Physical Sciences	Applied Physics A: Materials Science and Processing	2023	1	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146497774&doi=10.1007%2fs00339-023-06407-5&partnerID=40&md5=f320772f176f0cce2ec1412acc5ab184
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Radiolabeled nanoporous hydroxyapatite microspheres: An advanced material for potential use in radiation synovect	Patra S., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India, Homi Bhabha	Chemical Sciences; Engineering Science	Materials Chemistry and Physics	2023	0	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145210119&doi=10.1016%2fj.matchemphys.2022.127115&partnerID=40&md5=7f14d596af20080322852c95dcfc63e5
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Effect of Laser Energy Density on Phase Evolution in Laser Surface Melted As-Cast Zr–Cu Alloy	Singh V., Homi Bhabha National Institute, Mumbai, 400094, India, Materials Science Division, BARC, Mumbai, 400085, Ind	Engineering Sciences	Transactions of the Indian Institute of Metals	2023	0	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180831835&doi=10.1007%2fs12666-023-03191-x&partnerID=40&md5=d4699c14d8ffb2879f0a04fba965cbee
Sensitivityofseedlinggrowth,fertilityandyieldcontributing traits in rice (Oryza sativa L.) to electron beam and Ethyl Met	Prasannakumari M., Department of Plant Breeding and Genetics, Agricultural College and Research Institute, Tamil Nadu A	Life Sciences	Electronic Journal of Plant Breeding	2023	0	0975-928X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185181340&doi=10.37992%2f2023.1404.180&partnerID=40&md5=0c30415c69ce536d6c2c153f47860030
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Highly efficient and selective 99TcO4– uptake from reprocessing low-level liquid waste using a zirconium-based metal	Patra K., Nuclear Recycle Board, Bhabha Atomic Research Centre, Tarapur, India; Mittal V.K., Nuclear Recycle Board, Bhab	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	1	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172025479&doi=10.1080%2f01496395.2023.2260949&partnerID=40&md5=e6c2ca926f2c5c115ee132e48745263d
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Interrogating a Mixed Actinide Basket Using High-Resolution γ-Ray Spectrometry: A Nuclear Forensic Perspective on P	Patra S., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Mani A.M., Radiochemistry D	Chemical Sciences	Analytical Chemistry	2023	0	0003-2700	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187300535&doi=10.1021%2facs.analchem.3c03779&partnerID=40&md5=f50a34d4acd087f5896a19bb36cdd440
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Cleavable Amphiphilic Biocides with Ester-Bearing Moieties: Aggregation Properties and Antibacterial Activity	De K., Antimicrobial Research Laboratory, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research	Physical Sciences	Langmuir	2023	1	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187273115&doi=10.1021%2facs.langmuir.3c02771&partnerID=40&md5=17516f78ca990f395767d08b1311e84a
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Investigations on CuCl/HCl Electrolysis Using a Pt/C Electrocatalyst-based Membrane Electrode Assembly	Banerjee A.M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, HomiBhabha National Institu	Chemical Sciences	Journal of the Electrochemical Society	2023	1	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180560959&doi=10.1149%2f1945-7111%2fad11ae&partnerID=40&md5=8cbdb4e800edc4d5435b1ea76ebe4044
Effect of pulverisation on sulfide and tin antimonide anodes for sodium-ion batteries	Priyanka P., Department of Physics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbat	Chemical Sciences	Frontiers in Energy Research	2023	1	2296-598X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175566007&doi=10.3389%2ffenrg.2023.1266653&partnerID=40&md5=a9dbcc0d1c673cf24b493a8367ce4d58
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Prussian blue nanoparticles–mediated sensing and removal of 137Cs	Pandey P.C., Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, India; Yadav H.P., Department of C	Chemical Sciences	Frontiers in Environmental Science	2023	2	2296-665X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170713933&doi=10.3389%2ffenvs.2023.1230983&partnerID=40&md5=e7bdfe53d6897b565e5433ffe5a5035e
Cold atmospheric plasma: Its time-dependent effects on the elimination of bacterial colony on periodontal manual sca	Viswanadh V., Department of Periodontology, Government Dental College and Hospital, Maharashtra, Mumbai, India; Gai	Engineering Sciences; Life Sciences; Phy	Journal of Indian Society of Periodontology	2023	0	0972-124X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171574665&doi=10.4103%2fjisp.jisp_309_22&partnerID=40&md5=92e1fc23df693acd48afec81e07f0e30
Development and validation of radiomic signature for predicting overall survival in advanced stage cervical cancer	Jha A.K., Department of Radiation Oncology (Maastro), GROW - School for Oncology and Reproduction, Maastricht Univer	Life Sciences; Medical and Health Scienc	Frontiers in Nuclear Medicine	2023	2	2673-8880	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173508436&doi=10.3389%2ffnume.2023.1138552&partnerID=40&md5=bf6646d663be175eb707cca462ee6f9e
Simulations and experimentation of ultrasonic wave propagation and flaw characterisation for underwater concrete s	Jain H., Homi Bhabha National Institute, Maharashtra, Mumbai, India, Electronics Division, Bhabha Atomic Research Centr	Engineering Sciences	Nondestructive Testing and Evaluation	2023	2	1058-9759	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175093237&doi=10.1080%2f10589759.2023.2274006&partnerID=40&md5=4e4be1592ff6ecb5600a5a914995433c
Damage-Coupled Cyclic Plasticity Model for Prediction of Ratcheting–Fatigue Behavior under Strain and Stress Contro	Das P., Mechanical Engineering Department, Coochbehar Government Engineering College, Coochbehar, 736170, India; K	Engineering Sciences	Journal of Materials Engineering and Performance	2023	2	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173741718&doi=10.1007%2fs11665-023-08754-z&partnerID=40&md5=9814b5a39b5e6cea0428109189d29ee6
A Better Understanding of Solidification of Alloys Through Study of Glass/Crystal Composites	Vishwanadh B., Materials Science Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ghosh C., Physical M	Engineering Sciences; Physical Sciences	Transactions of the Indian Institute of Metals	2023	0	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175336611&doi=10.1007%2fs12666-023-03143-5&partnerID=40&md5=abf995bb1a14053750b48bf5f4d239b0
Evaluation of DNBR with neutronics calculation in LWR systems	Khan S.A., Fuel Cycle Studies Section, Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, India; Ka	Physical Sciences	Nuclear Energy and Technology	2023	0	2452-3038	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181737158&doi=10.3897%2fnucet.9.98452&partnerID=40&md5=63e64fc035329e9feabd141b9ba9f524
Performance evaluation of an indigenously-designed high performance dynamic feeding robotic structure using advar	Parikh P., Institute of Design, Nirma University, Gujarat, Ahmedabad, India; Sharma A., Chitkara University Institute of Eng	Engineering Sciences	International Journal on Interactive Design and Manufacturing	2023	8	1955-2513	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173110445&doi=10.1007%2fs12008-023-01513-3&partnerID=40&md5=0c821df47161bdc857b7042f8b0aa430
Comparative Investigations on Detuning Estimator for Experimental RF Cavity	Keshwani R.T., Homi Bhabha National Institute, Mumbai, 400094, India, Bhabha Atomic Research Centre (BARC), Mumbai	Engineering Sciences; Physical Sciences	IEEE Transactions on Instrumentation and Measurement	2023	1	0018-9456	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171584973&doi=10.1109%2fTIM.2023.3311075&partnerID=40&md5=d68718e8d00ad89620968a558e52571c
Understanding the sorption behavior of tri, tetra and hexavalent f cations on metal–organic framework (MOF), ZIF-67	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Boda A., Chemical Engineering Division,	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	2	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173102754&doi=10.1080%2f01496395.2023.2255740&partnerID=40&md5=225748dfc90124ff32723cd80566a7ee
Efficient Plutonium Extraction and Electrochemical Insights in a Hydrophobic Deep Eutectic Solvent for Radioactive W	Patil S.M., Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nati	Chemical Sciences	Journal of the Electrochemical Society	2023	0	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177993677&doi=10.1149%2f1945-7111%2fad0adc&partnerID=40&md5=de14d6b0ec189930b5dd910a707786e4
Association of Cutibacterium acnes with human thyroid cancer	Trivedi V., Department of Medical Oncology, Tata Memorial Hospital, Maharashtra, Mumbai, India, Homi Bhabha National	Life Sciences; Medical and Health Scienc	Frontiers in Endocrinology	2023	3	1664-2392	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177680490&doi=10.3389%2ffendo.2023.1152514&partnerID=40&md5=76409c1abe4d44d1a96f4e1a21dba55f
Macrophage targeted polymeric curcumin nanoparticles limit intracellular survival of Mycobacterium tuberculosis thr	Gupta P.K., Tuberculosis Immunology and Immunoassay Development Section, Radiation Medicine Centre, Bhabha Atomi	Life Sciences	Frontiers in Immunology	2023	5	1664-3224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168059762&doi=10.3389%2ffimmu.2023.1233630&partnerID=40&md5=65ac7bdf2c03017ce427e3f1314fb745
Parametric optimization of Sm(III) extraction from nitrate media by employing hollow fiber membrane using Taguchi a	Yadav K.K., Rare Earths Development Section, Material's Processing & Corrosion Engineering Division, Materials Group, Bh	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	1	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161930161&doi=10.1080%2f01496395.2023.2224933&partnerID=40&md5=e03fa5cac782861a717506d5164ffbda
Nucleation kinetics of reactive crystallization of ammonium di-uranate	Paik S., Uranium Extraction Division, Bhabha Atomic Research Centre, Mumbai, Trombay, India, Homi Bhabhba National In	Chemical Sciences; Engineering Science	Indian Chemical Engineer	2023	0	0019-4506	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165288308&doi=10.1080%2f00194506.2023.2223605&partnerID=40&md5=ae7dabbcf50f6bf59cd7aad85ead0e18
Development of a New Ground Motion Model for a Peninsular Indian Rock Site	Akella R.K., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India; Agrawal M.K., Reactor Safety Divisio	Engineering Sciences	Proceedings of Engineering and Technology Innovation	2023	0	2413-7146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163928827&doi=10.46604%2fpeti.2023.10526&partnerID=40&md5=2be17174aad565202bb94952146a6295
Functionalized graphene-based material as a nanofiller for high-performance thin film composite seawater reverse os	Bhoje R.S., Department of Chemical Engineering, Institute of Chemical Technology Matunga, Mumbai, India; Ghosh A.K., D	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	1	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168861773&doi=10.1080%2f01496395.2023.2248650&partnerID=40&md5=3e199b0073c0f3d55fa5c9864ed2307f
Developing N,N,N′,N′-tetra (2-ethylhexyl) diglycolamide encapsulated polymeric beads as promising rare earth extract	Choudhury D., Rare Earths Development Section, Material's Processing & Corrosion Engineering Division, Materials Group	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	1	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161905371&doi=10.1080%2f01496395.2023.2224934&partnerID=40&md5=5749de522196fcc9a6d7c0126197a274
Release of an encrypted, highly potent ACE-inhibitory peptide by enzymatic hydrolysis of moth bean (Vigna aconitifoli	Goyal N., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Hajare S.N., Food Technology Divisio	Life Sciences	Frontiers in Nutrition	2023	1	2296-861X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163216614&doi=10.3389%2ffnut.2023.1167259&partnerID=40&md5=b9d2751ef369590452ba4f2c329135b3
Room-Temperature Absorption of Carbon Dioxide on an Improved Soda Lime-Based Absorber	Ghuge N.S., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 85, India, Homi Bha	Engineering Sciences	Industrial and Engineering Chemistry Research	2023	0	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160791392&doi=10.1021%2facs.iecr.3c00121&partnerID=40&md5=110fe11ee57134e0efe6379548d624bf
Palladium-based membranes for potential application in bio-jet fuel production unit	Parashar R., Homi Bhabha National Institute, Bhabha Atomic Research Centre, Mumbai, India, Desalination & Membrane T	Chemical Sciences; Engineering Science	Indian Chemical Engineer	2023	1	0019-4506	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165505722&doi=10.1080%2f00194506.2023.2232386&partnerID=40&md5=5079806ea18c5f78fd525ed929417bda
Sorption of ruthenium on aniline-siloxane composites	Ajith N., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Dalvi A.A., Analytical Chemistry Di	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	0	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164501394&doi=10.1080%2f01496395.2023.2232105&partnerID=40&md5=b109de942b2cc1c83233e9bf64efd294
Effect of Oxygen Ion Irradiation on Nb-1Zr-0.1C Alloy Characterized Using X-Ray Diffraction Line Profile Analysis	Dutta A., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Institute, Tra	Engineering Sciences; Physical Sciences	Nuclear Science and Engineering	2023	0	0029-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161486182&doi=10.1080%2f00295639.2023.2191580&partnerID=40&md5=cbf65abb92acd130ccbde87a113d094a
Decoding transport selectivity of ions in polymer membranes by In-situ impedance spectroscopy	Mani A.M., Chemical Sciences Department, Homi Bhabha National Institute, Mumbai, India, Radiochemistry Division, Bhal	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	0	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161952027&doi=10.1080%2f01496395.2023.2219377&partnerID=40&md5=69a9ca574bd2be411cefced6db2eb5ee
Studies on hydrometallurgical recovery of rare earth elements as mixed fluoride compound from coal fly ash using en	Karan R., Homi Bhabha National Institute, Mumbai, India, Mineral Processing Division, Bhabha Atomic Research Centre, H	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	3	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162965679&doi=10.1080%2f01496395.2023.2227758&partnerID=40&md5=5e7f49b768ec3258bcfa12547282b794
Investigation of tribological and corrosion performance of electroplated hard chromium coating on 17-4 PH steel	Ghosh S.K., Materials Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Maharashtra, Mum	Chemical Sciences	Surface Engineering	2023	2	0267-0844	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169313956&doi=10.1080%2f02670844.2023.2247862&partnerID=40&md5=9039c329f7b307bf2c7422023d3ba5c1
Extraction of Group Velocity Dispersion Curves of Surface Waves Using Continuous Wavelet Transform	Gupta P., Homi Bhabha National Institute, Mumbai, 400094, India; Mukhopadhyay S., Homi Bhabha National Institute, Sei	Engineering Sciences	IEEE Geoscience and Remote Sensing Letters	2023	3	1545-598X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163505318&doi=10.1109%2fLGRS.2023.3287470&partnerID=40&md5=47bf9118a0165b0f60338c2a3b8cdba6
COMPARATIVE ANALYSIS OF MORPHOLOGICAL AND STRUCTURAL CHANGES IN GAMMA AND ELECTRON BEAM IRRAD	Kapoor K., Analytical Science Division, Shriram Institute for Industrial Research, 19 University Road, Delhi, 110007, India; T	Chemical Sciences	Cellulose Chemistry and Technology	2023	1	0576-9787	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160403930&doi=10.35812%2fCelluloseChemTechnol.2023.57.06&partnerID=40&md5=7150d6a345685110a9de84665ed56986
Concurrent influence of geological parameters on the integrated nano-pore structure and discretized pore families of	Bal A., Experimental Rock Deformation Laboratory, Department of Earth Sciences, Indian Institute of Technology Kanpur, I	Physical Sciences	Frontiers in Earth Science	2023	3	2296-6463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166557785&doi=10.3389%2ffeart.2023.1157122&partnerID=40&md5=4cc2d165c93d81549d89d21af51b17a7
In-situ study of rules of nanostructure evolution, severe plastic deformations, and friction under high pressure	Lin F., Department of Aerospace Engineering, Iowa State University, Ames, IA, United States; Levitas V.I., Department of A	Physical Sciences	Materials Research Letters	2023	4	2166-3831	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164769137&doi=10.1080%2f21663831.2023.2231983&partnerID=40&md5=c64c338aed74d3ce4f2f8a84d26b788a
Numerical Study of the Hydride Embrittlement in Zirconium Alloy using XFEM	Jha A., Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee, India; Duh	Engineering Sciences	International Journal of Structural Stability and Dynamics	2023	3	0219-4554	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170691915&doi=10.1142%2fS0219455424400029&partnerID=40&md5=934db4e3468519b490f6d2a3d792f796
Composite Vanadium-Iron Metal Membrane for Hydrogen Recovery in Ammonia Production Unit	Parashar R., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Desalination & Membrane Technol	Chemical Sciences; Engineering Science	Journal of Membrane Science and Research	2023	2	2476-5406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161650699&doi=10.22079%2fJMSR.2022.549300.1534&partnerID=40&md5=d4211cd66a2f2e5550d30b2274c827e9
Separation of fluoride in the presence of large amounts of organic acids by ion chromatography	Arul Suganthi C., Department of Chemistry, Rani Anna Government College for Women, Tamil Nadu, Tirunelveli, India; Ra	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	1	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165633531&doi=10.1080%2f01496395.2023.2240494&partnerID=40&md5=1d9ef282fa321b0049fac75e2d8cc26d
Simultaneous determination of flouride, iodate and iodide by ion chromatography in caustic off-gas scrubber of nucle	Das M.K., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Mishra V.G., Radioanalytica	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	0	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161936201&doi=10.1080%2f01496395.2023.2222226&partnerID=40&md5=2456d770878b0b24bf2c2f2cadb72b78
Separation and determination of trace level terbium in gadolinium matrix by ion interaction chromatography	Mishra V.G., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Das M.K., Radioanalytica	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	0	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162250435&doi=10.1080%2f01496395.2023.2227338&partnerID=40&md5=a248f29e8be0f3feafa6695bb2fa0efb
Selective extraction of zirconium from zirconium nitrate solution in a pulsed stirred column	Pandey G., Homi Bhabha National Institute, Mumbai, India, Chemical Engineering Division, Bhabha Atomic Research Centr	Engineering Sciences	Separation Science and Technology (Philadelphia)	2023	0	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164480993&doi=10.1080%2f01496395.2023.2232102&partnerID=40&md5=651147fd64078d6e39046a006b61a692
Chemical and functional characteristics to detect sugar syrup adulteration in honey from different botanical origins	Brar D.S., Department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology (Deem	Life Sciences	International Journal of Food Properties	2023	12	1094-2912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162019370&doi=10.1080%2f10942912.2023.2218066&partnerID=40&md5=6f815c595645e468d69ea54c9b0be1b6
Label-free optical bio-sensing of non-cancerous and cancerous tissues from mice: Distinct spectroscopic features of th	Gala R., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Gandhi V.V., Radi	Chemical Sciences	Sensors and Diagnostics	2023	0	2635-0998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170685949&doi=10.1039%2fd2sd00154c&partnerID=40&md5=1de376918533a9847d3e56b60b2bac10
Magnetic properties and coupled spin-phonon behavior in quasi-one-dimensional screw-chain compound BaMn2 V2 (	Pal A., Department of Physics, National Sun Yat-sen University, Kaohsiung, 804, Taiwan, Department of Physics, Indian Ins	Physical Sciences	Physical Review Materials	2023	4	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146309819&doi=10.1103%2fPhysRevMaterials.7.014402&partnerID=40&md5=8a1dd0757963e4c85bd1ea00a69ac249
Effect of fluorescent dyes on the scintillation efficiency, improved light yield and radiation hardness of polystyrene-ba	Alex L., Centre for Crystal Growth, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam,	Physical Sciences	Radiation Effects and Defects in Solids	2023	1	1042-0150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146246958&doi=10.1080%2f10420150.2022.2163488&partnerID=40&md5=a6f77e976e4c37c65d6d9a40e2550035
Highly Efficient Pertraction of Tetravalent Neptunium Ions Across a Flat Sheet Supported Liquid Membrane Containin	Mahanty B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Mohapatra P.K., Radiochemistry Di	Chemical Sciences	Solvent Extraction and Ion Exchange	2023	0	0736-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147281890&doi=10.1080%2f07366299.2022.2156798&partnerID=40&md5=2eb0a46db126113fb6ff4d2d5adb9d23
Exploring the effects of organic loading rate and domestic wastewater treatment by algal-bacterial granules under nat	Vincent F., Biofouling and Biofilm Processes Section, WSCD, Chemistry Group, Bhabha Atomic Research Centre, Kalpakkam	Life Sciences	Water Environment Research	2023	2	1061-4303	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145964780&doi=10.1002%2fwer.10831&partnerID=40&md5=687472b0deff333c0b90b5dfa1ab81b7
Development of a single sphere neutron spectrometer using α-Al2O3:C based optically stimulated luminescence dete	Tripathy S.P., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ins	Physical Sciences	Radiation Measurements	2023	4	1350-4487	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143727048&doi=10.1016%2fj.radmeas.2022.106892&partnerID=40&md5=7cd28dbbb31ab7d3ada86a9df8bd6546
Antioxidant and Anti-inflammatory Activities Mediate the Radioprotective Effect of Trianthema portulacastrum L. Extr	Das U., Department of Biochemistry, College of Medicine and JNM Hospital, WBUHS, West Bengal, Kalyani, 741235, India;	Life Sciences	Natural Products Journal	2023	0	2210-3155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153339624&doi=10.2174%2f2210315512666220627154721&partnerID=40&md5=07957d84ee25880a6426824ffd2bb781
Measurement of ϕ -meson production in Cu+Au collisions at sNN =200 GeV and U+ U collisions at sNN =193 GeV	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State University, A	Physical Sciences	Physical Review C	2023	6	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146354911&doi=10.1103%2fPhysRevC.107.014907&partnerID=40&md5=71d796f31f19e75ee4665783890429e3
Thiourea Mitigates Potassium Deficiency in Soybean Varieties Through Redox or ABA Dependent Mechanisms	Sahoo S.A., Department of Plant Molecular Biology and Biotechnology, Indira Gandhi Krishi Vishwavidyalaya, Raipur, 4920	Life Sciences	Journal of Plant Growth Regulation	2023	3	0721-7595	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153097586&doi=10.1007%2fs00344-023-10963-8&partnerID=40&md5=c4066ad57608729a81e5a95b7ed6062b
In-plane magnetic anisotropy and magnetization reversal in phase-separated (La0.5Pr0.5)0.625Ca0.375Mn O3 thin fil	Singh S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Inst	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147194857&doi=10.1103%2fPhysRevB.107.024420&partnerID=40&md5=51cb336b9cadad5945f8e4d408a4323a
Evolution of static charge density wave order, amplitude mode dynamics, and suppression of Kohn anomalies at the h	Rathore R., Laser Plasma Division, Raja Ramanna Centre for Advanced Technology, MP, Indore, 452013, India, Homi Bhabh	Physical Sciences	Physical Review B	2023	5	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146313124&doi=10.1103%2fPhysRevB.107.024101&partnerID=40&md5=8067d12262d2f5c911240ef50aa7026d
Thermal-Hydraulic Transient Analyses for Primary Coolant System of HFRR Using RELAP5	Veluri V.K., Bhabha Atomic Research Centre, Research Reactor Design & Projects Division, Trombay, Mumbai, India; Sengu	Engineering Sciences	Nuclear Technology	2023	3	0029-5450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148246340&doi=10.1080%2f00295450.2022.2156245&partnerID=40&md5=4387a906b3921a294e0c81da4eda9243
Analysis of Ductile-to-Brittle Transition Characteristics of Reactor Pressure Vessel Steels	Gupta C., Bhabha Atomic Research Centre, Mechanical Metallurgy Division, Materials Group, Trombay, Mumbai, 400085,	Engineering Sciences	Nuclear Technology	2023	0	0029-5450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147303948&doi=10.1080%2f00295450.2022.2143730&partnerID=40&md5=213b9c7108630fe0f2bf249bdcb25373
Composite of α-FeOOH and Mesoporous Carbon Derived from Indian Blackberry Seeds as Low-Cost and Recyclable Ph	Dutta D.P., Chemistry Division, Bhabha Atomic Research Centre (BARC), Trombay, Maharashtra, Mumbai, 400085, India; A	Chemical Sciences	Catalysts	2023	1	2073-4344	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146639392&doi=10.3390%2fcatal13010191&partnerID=40&md5=9bf9cad97540e1a87e7fc63502dc18c4
Effect of hybrid immunity, school reopening, and the Omicron variant on the trajectory of the COVID-19 epidemic in I	Mozaffer F., The Institute of Mathematical Sciences, Chennai, India, Homi Bhabha National Institute, BARC Training Schoo	Life Sciences	The Lancet Regional Health - Southeast Asia	2023	6	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143603881&doi=10.1016%2fj.lansea.2022.100095&partnerID=40&md5=19e4ceaef0d4895cb6e869c45227ffb1
Isotope selective three-step photoionization of 174Yb	Suryanarayana M.V., Bhabha Atomic Research Centre, Andhra Pradesh, Visakhapatnam, India; Sankari M., Bhabha Atomic	Physical Sciences	Journal of the Optical Society of America B: Optical Physics	2023	2	0740-3224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145260109&doi=10.1364%2fJOSAB.476224&partnerID=40&md5=e89ab0019019db245c51c10cab4fd322
Curvature modulated structural and magnetic properties of CoO/Co thin films deposited onto 2-D nanosphere array	Tripathi J., Dept. of Physics, ISLE, IPS Academy, Indore, India; Kumar Y., Department of Physics, Manipal University Jaipur,	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	0	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145563836&doi=10.1016%2fj.jmmm.2022.170179&partnerID=40&md5=93f133b92b3106a33bb548f957c21931
Extraction of Np(IV/VI) from nitric acid medium using three different tripodal diglycolamide ligands in ionic liquid: Bat	Gujar R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Verma P.K., Radiochemistry	Chemical Sciences	Journal of Molecular Liquids	2023	2	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145614960&doi=10.1016%2fj.molliq.2022.120922&partnerID=40&md5=b32f0406b3a2c2965304e90579dc66fa
Development of large size fast timing and radiation resistant PVT-based plastic scintillator detector	Alex L., Centre for Crystal Growth, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam,	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	5	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146274203&doi=10.1007%2fs10854-022-09577-9&partnerID=40&md5=c02ec4e179f4b80cee04a2bdaff4bfa5
A method for in situ visualization of Protein-Nascent RNA interactions in single cell using Proximity Ligation Assay (IPN	Das R., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, Trombay, India, Life Sciences, Homi Bhabha	Life Sciences	Transcription	2023	1	2154-1264	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150808083&doi=10.1080%2f21541264.2023.2190296&partnerID=40&md5=d62ce80c836b0b954c0c82838de6e14b
Impedance stabilization by trigger modulation in copper vapor laser	Singh D.K., Homi Bhabha National Institute, Anushaktinagar, Mumbai, India, Beam Technology Development Group, Bhab	Engineering Sciences; Physical Sciences	Optical and Quantum Electronics	2023	3	0306-8919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143653251&doi=10.1007%2fs11082-022-04369-1&partnerID=40&md5=bfc3d3976e736cd290ac51a84d8c7593
Corrosion behaviour of oxide film formed on carbon steel in high temperature alkaline water in the presence of zinc a	Suresh S., Water and Steam Chemistry Division, BARCF, Kalpakkam, India; Bera S., Water and Steam Chemistry Division, B	Physical Sciences	Corrosion Engineering Science and Technology	2023	0	1478-422X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159351528&doi=10.1080%2f1478422X.2023.2212456&partnerID=40&md5=1c36de23b3d4d324d8c708280afb5fd7

Characterization of horse gram mutants for yield, nutrient, and anti-nutrient factors	Sudhagar R., Sugarcane Research Station, Vellore, 635 806, India; Pushpayazhini V., Department of Genetics and Plant Bre	Life Sciences	Journal of Environmental Biology	2023	2	0254-8704	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147163322&doi=10.22438%2fjeb%2f44%2f1%2fMRN-4045&partnerID=40&md5=769bd3eba50ede6ad841ee1466b92bde
Assessment of Biogrowth at Two Different Environments of Nuclear Power Plant Cooling Water System Located at So	Ganesh S., Department of Chemistry, Scott Christian College, Manonmaniam Sundaranar University, Tirunelveli, Nagercoil	Life Sciences	Asian Journal of Chemistry	2023	0	0970-7077	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146441325&doi=10.14233%2fajchem.2023.23971&partnerID=40&md5=f29c3274a11c6468446b1cf5f4a00cea
Engineering ZnO with Cu doping to lower the transition pressure: Experimental and theoretical investigations	Sharma B.B., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085	Physical Sciences	AIP Advances	2023	3	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146640268&doi=10.1063%2f5.0132933&partnerID=40&md5=d9e4589535901f1d9657e5474c16b09d
Estimation of effective thermal conductivity and heat transfer coefficient of lithium orthosilicate pebble bed in carbon	Ghuge N.S., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Trombay, India, Homi Bhabha National Insti	Engineering Sciences	Experimental Heat Transfer	2023	6	0891-6152	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147590296&doi=10.1080%2f08916152.2023.2172090&partnerID=40&md5=361e9bad62472b0542e408f764264704
Interaction between oxidised state of quercetin and bovine serum albumin in presence of surfactant aggregates with	Vigneshwari R., Department of Chemistry, Annamalai University, Tamil Nadu, Chidambaram, India; Anjali S., Department o	Chemical Sciences	Journal of Biomolecular Structure and Dynamics	2023	1	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151068113&doi=10.1080%2f07391102.2023.2192792&partnerID=40&md5=91fda4a6a7d9d7b143149d19f2edbe8e
Hypoxia induces dichotomous and reversible attenuation of T cell responses through reactive oxygen species-depend	Maurya D.K., Radiation Biology & Health Sciences Division, Bio-Science Group, Bhabha Atomic Research Centre, Mumbai,	Life Sciences	Free Radical Research	2023	1	1071-5762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150900298&doi=10.1080%2f10715762.2023.2178918&partnerID=40&md5=b68b8dd16c66c7a2acf75cb109bbbe3d
Induction of stable, room-temperature ferromagnetism in WO3 by doping with K, Li, and Na: Theoretical investigation	Chakraborty B., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Trombay, Mu	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	1	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144017314&doi=10.1016%2fj.jmmm.2022.170244&partnerID=40&md5=a94f7769ae9e47f3f5ec09876be0b2ba
Modifying interprotein interactions for controlling heat-induced protein gelation	Kumar S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National In	Physical Sciences	Physical Review Materials	2023	3	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147541451&doi=10.1103%2fPhysRevMaterials.7.015601&partnerID=40&md5=88d5b6b75cda7a6f2a23f32821685828
Experimental Evaluation of Two-Phase Heat Transfer Coefficient Under Oscillatory Flow Conditions and Correlation De	Kumar R., Homi Bhabha National Institute, Anushakti Nagar, Maharashtra, Mumbai, 400094, India, Reactor Engineering Di	Engineering Sciences	Journal of Nuclear Engineering and Radiation Science	2023	0	2332-8983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144631548&doi=10.1115%2f1.4055090&partnerID=40&md5=82dd4356f4daeabd19d2c06aecbcc5f1
Optimisation of solids concentration in wet rod mill grinding of limestone ore through modelling and simulation	Serajuddin M., Mineral Processing Division, Materials Group, Bhabha Atomic Research Centre (BARC), AMD Complex, Beg	Engineering Sciences	International Journal of Mining and Mineral Engineering	2023	0	1754-890X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153673129&doi=10.1504%2fIJMME.2022.129521&partnerID=40&md5=ec9bc3334ff23e92b99bc867524307c3
Diffusion of Cs+ in compacted Na+/K+–saturated smectite-rich natural clay: role of clay microstructure	Kumar S., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nati	Chemical Sciences; Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	2	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145176984&doi=10.1007%2fs10967-022-08709-z&partnerID=40&md5=fdd0d43eb4641efe57b65c8dcfa2c622
Carbon dioxide absorption in packed bed of lithium orthosilicate pebbles	Ghuge N.S., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Insti	Engineering Sciences	Separation Science and Technology (Philadelphia)	2023	4	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145418410&doi=10.1080%2f01496395.2022.2161397&partnerID=40&md5=a905b7dd6ed93c9c0eed13e170c81a13
Use of modified Madou–Leblond model to predict crack initiation in low alloy steel specimens with different stress sta	Kumar S., Homi Bhabha National Institute, Mumbai, 400 094, India, Reactor Safety Division, Bhabha Atomic Research Cent	Engineering Sciences	Engineering Fracture Mechanics	2023	0	0013-7944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143850273&doi=10.1016%2fj.engfracmech.2022.108946&partnerID=40&md5=5bbe747258a574cddf73785949ccfd74
An ultrathin 2D NiCo-LDH nanosheet decorated NH2-UiO-66 MOF-nanocomposite with exceptional chemical stability	Sk S., Department of Energy & Environmental Engineering, CSIR-Indian Institute of Chemical Technology, Hyderabad, 5000	Physical Sciences	Journal of Materials Chemistry A	2023	28	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158049807&doi=10.1039%2fd3ta00836c&partnerID=40&md5=1a8b3ce8925c2d38090c6e2da60246d1
Separation and determination of boron, chlorine, fluorine and molybdenum in uranium silicide using pyrohydrolysis a	Mishra V.G., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Thakur U.K., Ra	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	5	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144903087&doi=10.1007%2fs10967-022-08638-x&partnerID=40&md5=0f1fbc7fda15323dfe887588fd1b822b
A near infra-red emitting supramolecular dye-polymer assembly as promising platform for protamine sensing	Chakraborty G., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Kant Chi	Chemical Sciences; Life Sciences; Physic	Journal of Molecular Liquids	2023	1	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145558712&doi=10.1016%2fj.molliq.2022.120928&partnerID=40&md5=fab354bec15a436d6720b401682fd991
Enhanced optical and electronic properties of chlorobenzene-assisted perovskite CH3NH3PbI3 −xCl x film incorporate	Gupta D., Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Na	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	1	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145976064&doi=10.1007%2fs10854-022-09516-8&partnerID=40&md5=b790cc5e52244c4ce8e2d875cbfc601b
Genome-wide analysis of bromodomain gene family in Arabidopsis and rice	Abiraami T.V., Molecular Biology Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India; Sanyal R.P., Mol	Life Sciences	Frontiers in Plant Science	2023	1	1664-462X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150703850&doi=10.3389%2ffpls.2023.1120012&partnerID=40&md5=3cecd596f69a4a0067537a957f7f013f
Microstructural and mechanical property evolution of Ar9+ ion irradiated Zr-based alloys–effect of initial microstructu	Devi A., Homi Bhabha National Institute, Mumbai, India; Menon R., Variable Energy Cyclotron Centre, Kolkata, India; Sharr	Chemical Sciences; Engineering Sciences	Radiation Effects and Defects in Solids	2023	0	1042-0150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146673105&doi=10.1080%2f10420150.2022.2163486&partnerID=40&md5=0c0d6ed33463606fc1e2406b9ce285e6
Pressure-induced superconductivity in the weak topological insulator BiSe	Malavi P., Department of Physics, Indian Institute of Science, Bangalore, 560012, India, HP&SRPD, Bhabha Atomic Researc	Physical Sciences	Physical Review B	2023	4	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146643175&doi=10.1103%2fPhysRevB.107.024506&partnerID=40&md5=7377ef5bd1573767fa9473bc85a19796
Chemical characterization of automobile windshield glass samples by nuclear and radio-analytical techniques namely	Sharma V., Department of Nuclear and Radiochemistry, Kishinchand Chellaram College, Mumbai, 400020, India, Radioche	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	4	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159352142&doi=10.1039%2fd3ja00006k&partnerID=40&md5=72f2788d439b69ee26e602073c154e9e
Laser surface melting of 304L SS: increase in resistance to transpassive dissolution and pitting corrosion	Mahanti Ghosal A., Materials Processing & Corrosion Engineering Division, Bhabha Atomic Research Centre, Mumbai, Indi	Engineering Sciences; Physical Sciences	Corrosion Engineering Science and Technology	2023	1	1478-422X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159724059&doi=10.1080%2f1478422X.2023.2212466&partnerID=40&md5=5feb47300be9589a742c9f6fbcb3aeeb
Modeling and Simulation of PGGP Electrode Configuration for Ion-Extraction Process Using 2.5D-PIC Code	Singh P., Homi Bhabha National Institute, Mumbai, 400094, India; Sridhar G., Bhabha Atomic Research Centre, Mumbai, 4	Engineering Sciences; Physical Sciences	IEEE Transactions on Plasma Science	2023	3	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144775274&doi=10.1109%2fTPS.2022.3224771&partnerID=40&md5=86fc965f15ae54a7d2dcf400371c8a79
Understanding substrate-driven growth mechanism of copper silicide nanoforms and their applications	Sen S., Technical Physics Division, BARC, Mumbai, India, Homi Bhabha National Institute, Mumbai, India; Kanitkar P., Tech	Physical Sciences	Materials Science and Technology (United Kingdom)	2023	1	0267-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152934994&doi=10.1080%2f02670836.2023.2199570&partnerID=40&md5=b93bbd6f99266e23324ba7c3133274b1
In situ chamber for studying battery failure using high-speed synchrotron radiography	Pfaff J., Fraunhofer Institute for High-Speed Dynamics, Ernst-Mach-Institut EMI, Efringen-Kirchen, Germany; Fransson M.,	Physical Sciences	Journal of Synchrotron Radiation	2023	7	0909-0495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145540009&doi=10.1107%2fS1600577522010244&partnerID=40&md5=e03473eb5d651dddcda53aefd84a5094
Developing post-modified Ce-MOF as a photocatalyst: a detail mechanistic insight into CO2 reduction toward selective	Karmakar S., Molecular Materials Laboratory, Chemistry and Physics of Material Unit (CPMU), School of Advance Material	Chemical Sciences	Energy and Environmental Science	2023	18	1754-5692	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152097142&doi=10.1039%2fd2ee03755f&partnerID=40&md5=aa6c3790f45323f9a718b71cbf5f2ec4
Recovery of Rare Earth Values from Micro-granite Type Hard Rocks Using Deep Eutectic Solvents	Karan R., Mineral Processing Division, Bhabha Atomic Research Centre, Begumpet, Hyderabad, 500016, India, Homi Bhabh	Chemical Sciences	Transactions of the Indian Institute of Metals	2023	3	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156088879&doi=10.1007%2fs12666-023-02946-w&partnerID=40&md5=f0364e4c5468c50782983faab1074c80
Thermodynamic stability and leaching behaviour of Ba and Th charge-coupled substituted monazite solid solution (La1	Rawat D., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Mishra R.K.,	Chemical Sciences	Thermochimica Acta	2023	1	0040-6031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143879951&doi=10.1016%2fj.tca.2022.179412&partnerID=40&md5=b9d622c51bf30d25b62f52236e0f8031
Development and characterization of gamma ray and EMS induced mutants for powdery mildew resistance in blackgr	Tamilzharasi M., Department of Genetics and Plant Breeding, TNAU, Coimbatore, India; Kumaresan D., Department of Ge	Life Sciences	International Journal of Radiation Biology	2023	1	0955-3002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147670077&doi=10.1080%2f09553002.2023.2173820&partnerID=40&md5=7629ccb9ff3cb78f0fd84eea2a8d9a62
The atypical thioredoxin 'Alr2205', a newly identified partner of the typical 2-Cys-Peroxiredoxin, safeguards the cyano	Banerjee M., Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha	Life Sciences	Biochemical Journal	2023	1	0264-6021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146364136&doi=10.1042%2fBCJ20220524&partnerID=40&md5=b0a7d6951383f732810db1f80f352d82
Magnetite interaction with arsenic during sorptive removal from groundwater: a mechanistic study	Ajith N., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Satpati A.K., Analytical Chemistry	Chemical Sciences	Journal of Environmental Science and Health - Part A Toxic/Hazardous Sub	2023	0	1093-4529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159157924&doi=10.1080%2f10934529.2023.2210486&partnerID=40&md5=de6418f7a2b6c5735aae758cae904882
Genome-wide identification of BONZAI (BON) genes in Glycine max L. and their regulated expression patterns under s	Joshi S., Department of Biotechnology, Modern College of Arts, Science and Commerce (Savitribai Phule Pune University),	Life Sciences	Current Plant Biology	2023	3	2214-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147682055&doi=10.1016%2fj.cpb.2023.100273&partnerID=40&md5=d17ec236e3baea2214c12b4689f4652d
Fractal fatigue crack	Das A., Materials Group, Bhabha Atomic Research Centre (Department of Atomic Energy), Mumbai, India	Chemical Sciences	Philosophical Magazine	2023	0	1478-6435	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150749260&doi=10.1080%2f14786435.2023.2184878&partnerID=40&md5=8e9333d7cd788d554b7b7bf8e81ea9f0
FtsZ phosphorylation brings about growth arrest upon DNA damage in Deinococcus radiodurans	Chaudhary R., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India, Life Sciences, Homi Bhabha Na	Life Sciences	FASEB BioAdvances	2023	5	2573-9832	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141352949&doi=10.1096%2ffba.2022-00082&partnerID=40&md5=4305a115bfb2f3786a318d5cf9422ed1
Binding of human serum albumin with uranyl ion at various pH: an all atom molecular dynamics study	Mishra V., Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Insti	Chemical Sciences	Journal of Biomolecular Structure and Dynamics	2023	1	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138326217&doi=10.1080%2f07391102.2022.2120080&partnerID=40&md5=569cce975234201fd4c281948af89bcc
Evolutionary conservation of protein dynamics: insights from all-atom molecular dynamics simulations of 'peptidase' (	Gaur N.K., Beamline Development and Application Section, Bhabha Atomic Research Centre, Mumbai, India, Division of Bi	Life Sciences; Physical Sciences	Journal of Biomolecular Structure and Dynamics	2023	2	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122503483&doi=10.1080%2f07391102.2021.2021990&partnerID=40&md5=e9b22f4dcadc980cb651965c54efe111
Comparison of the performance of solvent wash reagents used for the primary cleanup of degraded PUREX solvent	Mishra S., Reprocessing Group, IGCAR, Kalpakkam, India; Mukhopadhyaya C., Reprocessing Group, IGCAR, Kalpakkam, Ind	Chemical Sciences	Radiochimica Acta	2023	5	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142928931&doi=10.1515%2fract-2022-0079&partnerID=40&md5=c75ac2fa487964473de9be92cc383cb6
Insights into the presence of multiple RecQ helicases in the ancient cyanobacterium, Nostoc sp. strain PCC7120: bioin	Kumar A., Cyanobacterial Stress Biology and Biotechnology Section, Molecular Biology Division, Bhabha Atomic Research C	Life Sciences	Molecular Genetics and Genomics	2023	1	1617-4615	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140340900&doi=10.1007%2fs00438-022-01963-6&partnerID=40&md5=8a8164f1694b8811c89a62c507bf9116
Conformational, Reactivity Analysis, Wavefunction-Based Properties, Molecular Docking and Simulations of a Benzam	Al-Otaibi J.S., Department of Chemistry, College of Science, Princess Nourah bint Abdulrahman University, Riyadh, Saudi A	Physical Sciences	Polycyclic Aromatic Compounds	2023	5	1040-6638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124736759&doi=10.1080%2f10406638.2022.2039229&partnerID=40&md5=0e8e86076a4dcc0f70ea76543e1f68c4
Effect of Thermal Cycling on Fracture Toughness of Hydrided Zr–2.5Nb PT Material	Narayana Murty T., Mechanical Metallurgy Division, Bhabha Atomic Research Center, Trombay, Mumbai, 400085, India; K	Engineering Sciences	Transactions of the Indian Institute of Metals	2023	0	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137844396&doi=10.1007%2fs12666-022-02752-w&partnerID=40&md5=29faf561e72dc7ace832d596af1806bb
Eutectoid phase transformation in U-Mo-X alloys	Rakesh R., Metallic Fuels Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Engineering Sciences	Journal of Nuclear Materials	2023	1	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141525663&doi=10.1016%2fj.jnucmat.2022.154113&partnerID=40&md5=aded681a780d4cb9bf27b8e2f52df24d
Dinitro Derivative of Naphthalimide as a Fluorescent Probe for Tumor Hypoxia Imaging	Kumari R., Department of Chemistry, Manipal Institute of Technology, Manipal Academy of Higher Education, Karnataka, I	Chemical Sciences; Life Sciences	Polycyclic Aromatic Compounds	2023	0	1040-6638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120959095&doi=10.1080%2f10406638.2021.2009525&partnerID=40&md5=e95f08a9f905c7c8ab1e0a58d87d2eaa
DFT and MD investigations of the biomolecules of phenothiazine derivatives: interactions with gold and water molecu	Al-Otaibi J.S., Department of Chemistry, College of Science, Princess Nourah bint Abdulrahman University, Riyadh, Saudi A	Physical Sciences	Journal of Biomolecular Structure and Dynamics	2023	7	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131805350&doi=10.1080%2f07391102.2022.2068649&partnerID=40&md5=bdb239cc2172813848d6d33b386e09ec
Implication of nuclear analytical techniques for the assessment of coal quality in terms of ash content	Samanta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Department of Atomic Energy, Ho	Chemical Sciences	International Journal of Coal Preparation and Utilization	2023	1	1939-2699	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137687270&doi=10.1080%2f19392699.2022.2118258&partnerID=40&md5=4ceab5eec7e5246533dcd0cc73faaa2f
Effects of elevated temperature steam oxidation and subsequent quenching on light water reactor clad	Singh A.R., Mechanical Engineering Department, Indian Institute of Technology Bombay, Mumbai, 400076, India; Puranik	Engineering Sciences	Progress in Nuclear Energy	2023	3	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143599065&doi=10.1016%2fj.pnucene.2022.104510&partnerID=40&md5=392adbf446eba5efd0e9219caba722bd
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pH tolerant metal ion controlled luminescence behaviour of supramolecular assembly and its application in bioimagin	Prasad N., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha N	Chemical Sciences	Journal of Molecular Liquids	2023	3	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143531716&doi=10.1016%2fj.molliq.2022.120834&partnerID=40&md5=973b435844e901ccc5c66167fe6d96e0
Role of neutron transfer in the reaction mechanism of 9Be+169Tm, 181Ta, 187Re and 197Au systems	M. P., Department of Physics, Rani Channamma University, Belagavi, 591156, India; Parkar V.V., Nuclear Physics Division,	Physical Sciences	Nuclear Physics A	2023	1	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142452676&doi=10.1016%2fj.nuclphysa.2022.122570&partnerID=40&md5=c76536242f31fb1c8088b44a62b30c34
Alpha-cadinol as a potential ACE-inhibitory volatile compound identified from Phaseolus vulgaris L. through in vitro an	Tripathi J., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Gupta S., Food Technology Division	Life Sciences	Journal of Biomolecular Structure and Dynamics	2023	5	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128187442&doi=10.1080%2f07391102.2022.2057359&partnerID=40&md5=03dda0b7a5031ccfff8590438cf5ae68
Unified correlations for the prediction of the slip velocity, characteristic velocity, flooding throughput and flooding slip	Sinha V., Homi Bhabha National Institute, Bhabha Atomic Research Centre, Maharashtra, Trombay, Mumbai, India, Dr. B V	Engineering Sciences	Chemical Engineering Communications	2023	4	0098-6445	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121757382&doi=10.1080%2f00986445.2021.2009811&partnerID=40&md5=74f9e44e643eb779cd8515a88c370a61
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Equilibrium and thermodynamic study of trichloroethylene adsorption on activated carbon in a fluidized bed and its th	Nikam S., Homi Bhabha National Institute, Mumbai, India; Mandal D., Homi Bhabha National Institute, Mumbai, India, Alk	Engineering Sciences	Canadian Journal of Chemical Engineering	2023	0	0008-4034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126016958&doi=10.1002%2fcjce.24381&partnerID=40&md5=7fba55fc60ed45700f070ab77da335ce
Crystal structure analysis of phycoerythrin from marine cyanobacterium Halomicronema	Patel S.N., P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Anand, India; Sonani R.	Life Sciences	Journal of Biomolecular Structure and Dynamics	2023	2	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129204053&doi=10.1080%2f07391102.2022.2055647&partnerID=40&md5=f41fb5694e8cea0a09337bc79c951522
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Prediction of electron beam weld quality from weld bead surface using clustering and support vector regression	Jaypuria S., Indian Institute of Technology Kharagpur, India; Bondada V., Indian Institute of Technology Kharagpur, India; K	Engineering Sciences	Expert Systems with Applications	2023	11	0957-4174	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136617085&doi=10.1016%2fj.eswa.2022.118677&partnerID=40&md5=3509dc7ecc875e5653ae876d29afd8bd
Surfactant Assisted In Situ Synthesis of Nanofibrillated Cellulose/Polymethylsilsesquioxane Aerogel for Tuning Its Ther	Gupta P., Department of Polymer and Process Engineering, Indian Institute of Technology Roorkee, Saharanpur Campus, S	Physical Sciences	Macromolecular Rapid Communications	2023	7	1022-1336	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140393268&doi=10.1002%2fmarc.202200628&partnerID=40&md5=4b27611db89a1f28e38b5cd03a3d79c8
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Acute and sub-acute oral toxicity assessment of 5-hydroxy-1,4-naphthoquinone in mice	Gohil D., Clinical Pharmacology Laboratory, ACTREC, Tata Memorial Centre, Navi Mumbai, India, Homi Bhabha National In	Life Sciences	Drug and Chemical Toxicology	2023	4	0148-0545	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135136951&doi=10.1080%2f01480545.2022.2104306&partnerID=40&md5=dcff718a2696cf8cbbf516b22ad201bf
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A case study on seasonal and annual average indoor radon, thoron, and their progeny level in Kohima district, Nagala	Jamir S., Department of Chemistry, Nagaland University, Lumami, India; Sahoo B.K., Radiological Physics and Advisory Divi	Physical Sciences	Isotopes in Environmental and Health Studies	2023	2	1025-6016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141438998&doi=10.1080%2f10256016.2022.2140147&partnerID=40&md5=8f67a430cdafdb25f3a7027f49426250
Discovery of high-pressure post-perovskite phase in HoCrO3	Mall A.K., Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur, 208016, India, Department of Ap	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	5	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141298157&doi=10.1016%2fj.jpcs.2022.111078&partnerID=40&md5=bfa0419260ec35dafb87e14a0dc400f3
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Novel detection method to rapidly quantify toxic cucurbitacin in Lagenaria siceraria (bottle gourd)	Saurabh C.K., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Ghosh S.K., Food Techn	Life Sciences	Journal of Food Science and Technology	2023	2	0022-1155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139191897&doi=10.1007%2fs13197-022-05600-3&partnerID=40&md5=57412ece78df72c23eb3df91adc63f1a
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Determination of concentrations of some elements in marine consumables from Thane creek area (Mumbai, India) us	Tiwari M., Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai, India; Rathod T	Chemical Sciences; Physical Sciences	International Journal of Environmental Analytical Chemistry	2023	0	0306-7319	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119678025&doi=10.1080%2f03067319.2021.2001464&partnerID=40&md5=4fc25395ea5e35837cf31ee62c72e626
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Pore morphology in thermally-treated shales and its implication on CO2 storage applications: A gas sorption, SEM, an	Chandra D., Computational and Experimental Geomechanics Laboratory, Department of Earth Sciences, Indian Institute of	Physical Sciences	Fuel	2023	32	0016-2361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137563317&doi=10.1016%2fj.fuel.2022.125877&partnerID=40&md5=8e5eb9aeb8fb3c5fc9545131953e2a8d
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pH assisted modulation in the binding affinity for BODIPY-benzimidazole conjugate with anionic cyclodextrin	Chakraborty G., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Chattara	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2023	5	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138364721&doi=10.1016%2fj.jphotochem.2022.114266&partnerID=40&md5=9227625f35aa7107ad766c4c1e249ead
Detection of gamma radiation processed onion during storage using propidium iodide based fluorescence microscopy	Sharma T., Food Technology Division, Bhabha Atomic Research Centre, Homi Bhabha National Institute, Mumbai, 400085,	Life Sciences	Food Chemistry	2023	5	0308-8146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136614930&doi=10.1016%2fj.foodchem.2022.133928&partnerID=40&md5=a4f2504bb1cb0703fde7c53f01a0b234
Human reliability analysis studies from simulator experiments using Bayesian inference	Garg V., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India; Vinod G., Reactor Safety Division, Bhabh	Engineering Sciences	Reliability Engineering and System Safety	2023	17	0951-8320	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138381642&doi=10.1016%2fj.ress.2022.108846&partnerID=40&md5=a55573d74aae0bbd3934bf014b05caa2
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Highly selective carrier mediated transport of plutonium(IV) across a supported liquid membrane using two substitute	Karak A., INRPO, FF, Nuclear Recycle Board, Bhabha Atomic Research Centre, Tarapur, India, Homi Bhabha National Institu	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	2	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141102973&doi=10.1080%2f01496395.2022.2119411&partnerID=40&md5=42b5d9190bfd7c4f24561edc9e54f9c1
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Dirac-Born-Infeld counter-term and black hole thermodynamics	Jatkar D.P., Harish-Chandra Research Institute, Chhatnag Road, Jhunsi, Allahabad, 211019, India, Homi Bhabha National In	Physical Sciences	Progress of Theoretical and Experimental Physics	2023	0	2050-3911	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168705702&doi=10.1093%2fptep%2fptad094&partnerID=40&md5=f66d751ba4f6caba9293e60331bc6cd7
Thermoelectric properties of inversion symmetry broken Weyl semimetal-Weyl superconductor hybrid junctions	Saxena R., Advanced Technology Institute, Department of Physics, University of Surrey, Guildford, GU2 7XH, United Kingd	Physical Sciences	Physical Review B	2023	2	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161188052&doi=10.1103%2fPhysRevB.107.195426&partnerID=40&md5=602f02940d328d2e847d516414031b42
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On Joint Discrete Universality of the Riemann Zeta-Function in Short Intervals	Chakraborty K., Department of Mathematics, Harish Chandra Research Institute Chhatnag Road Jhunsi, Allahabad, 211019	Mathematical Sciences	Mathematical Modelling and Analysis	2023	0	1392-6292	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175583662&doi=10.3846%2fmma.2023.18884&partnerID=40&md5=525fbc714ada80dd271c545178ae665a
Establishing stability of the novel layered ternary tri-chalogenide materials: Emergence of a new generation of earth a	Alam K., Harish-Chandra Research Institute, HBNI, Chhatnag Road, Jhunsi, Allahabad, 211019, India, Department of Chemi	Physical Sciences	Computational Materials Science	2023	2	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171841437&doi=10.1016%2fj.commatsci.2023.112501&partnerID=40&md5=615c6417dc3c7491ff2e5efb404adb1d

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Collider signatures of a scalar leptoquark and vectorlike lepton in light of muon anomaly	Ghosh N., Regional Centre for Accelerator-Based Particle Physics, Harish-Chandra Research Institute, A CI of Homi Bhabha	Physical Sciences	Physical Review D	2023	7	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149488635&doi=10.1103%2fPhysRevD.107.035028&partnerID=40&md5=59e1f4b9868446b50c1fc9ea55b107ae
Compactly generated tensor t-structures on the derived categories of Noetherian schemes	Dubey U.V., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj,	Mathematical Sciences	Mathematische Zeitschrift	2023	0	0025-5874	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150893371&doi=10.1007%2fs00209-023-03250-5&partnerID=40&md5=cec2f8755b4bd647afe1722b710b2754
Coherent states in M-theory: A brane scan using the Taub-NUT geometry	Chakravarty J., Department of Physics, McGill University, Montréal, H3A 2T8, QC, Canada; Dasgupta K., Department of Phy	Physical Sciences	Physical Review D	2023	0	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178271939&doi=10.1103%2fPhysRevD.108.L081902&partnerID=40&md5=194e341822edf40962fc2acc2f816220
Enhancing efficiency of the ternary tri-chalcogenide MnPSe3 towards hydrogen evolution reaction by activating its ba	Megha, Harish-Chandra Research Institute, a CI of HBNI, Allahabad, Prayagraj, 211019, India; Sen P., Harish-Chandra Rese	Physical Sciences	International Journal of Hydrogen Energy	2023	6	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151405605&doi=10.1016%2fj.ijhydene.2023.03.044&partnerID=40&md5=1740530d59ab6f10673769e947c37627
Self-powered NH3 synthesis by trifunctional Co2B-based high power density Zn-air batteries	Gupta D., Department of Chemistry, Indian Institute of Technology Ropar, Punjab, Rupnagar, 140001, India; Kafle A., Depa	Physical Sciences	Journal of Materials Chemistry A	2023	4	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161530035&doi=10.1039%2fd3ta02178e&partnerID=40&md5=5fd84195f914605ab7184753b9e19dec
Pressure Driven Optical Transitions in Columnar-Ordered Cs2AgPdCl5: Phase Transformation-Independent Piezochron	Mir S.H., Materials Theory for Energy Scavenging (MATES) Lab, Harish-Chandra Research Institute (HRI) Allahabad, A CI of	Physical Sciences	Journal of Physical Chemistry C	2023	1	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166583221&doi=10.1021%2facs.jpcc.3c02523&partnerID=40&md5=77ccb4f51dde0a27bc2c93a0e2016079
S-doped C3N5 derived from thiadiazole for efficient photocatalytic hydrogen evolution	Guan X., Global Innovative Centre for Advanced Nanomaterials, School of Engineering, College of Engineering, Science and	Physical Sciences	Journal of Materials Chemistry A	2023	31	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149695091&doi=10.1039%2fd3ta00318c&partnerID=40&md5=3e9ee75a50fbba1813ca2350d5c41fa9
Rational design of Two-Dimensional Buckled-Hexagonal Nb2S2 monolayer as an efficient anode material for Ca-ion Ba	Chowdhury S., Department of Physics, Visva-Bharati, W.B.- 731235, Santiniketan, India; Sen P., Department of Physics, Ha	Physical Sciences	Computational Materials Science	2023	5	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172939882&doi=10.1016%2fj.commatsci.2023.112539&partnerID=40&md5=25b27b4d4bd7bc9d0b4d4784cacea04c
Effect of minimal length on Landau diamagnetism and de Haas–van Alphen effect	Abhishek M., Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India, Harish-Chand	Chemical Sciences	European Physical Journal Plus	2023	1	2190-5444	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158056787&doi=10.1140%2fepjp%2fs13360-023-03975-6&partnerID=40&md5=46163ee2eadb1f06bb115e760536f3ae
Efficient CO2 utilization and sustainable energy conversion via aqueous Zn-CO2 batteries	Kaur S., Department of Chemistry, India; Kumar M., Department of Chemistry, India; Gupta D., Department of Chemistry,	Physical Sciences	Nano Energy	2023	17	2211-2855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147606001&doi=10.1016%2fj.nanoen.2023.108242&partnerID=40&md5=d03ca2317a7674b37c7733ee4252df58
Isolating noise and amplifying the signal using weak quantum measurement and postselection	Ghoshal A., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj,	Physical Sciences	Physical Review A	2023	0	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161177100&doi=10.1103%2fPhysRevA.107.052214&partnerID=40&md5=7a749f6e97060a2aee6ebf8c7bd3a924
Pressure-Driven Band Gap Narrowing in Rb2AgPdCl5: Toward the Shockley-Queisser Limit of Lead-free Double Perovs	Mir S.H., Materials Theory for Energy Scavenging (MATES) Lab, A CI of Homi Bhabha National Institute (HBNI), Harish-Char	Physical Sciences	Journal of Physical Chemistry C	2023	1	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174732578&doi=10.1021%2facs.jpcc.3c03515&partnerID=40&md5=e32a46f8a5beef1f4ec6ef247a39af61
Fick-Jacobs description and first passage dynamics for diffusion in a channel under stochastic resetting	Jain S., Harish-Chandra Research Institute, HBNI, Chhatnag Road, Jhunsi, (Prayagraj), UP, Allahabad, 211019, India; Boyer	Physical Sciences	Journal of Chemical Physics	2023	14	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147723454&doi=10.1063%2f5.0135249&partnerID=40&md5=de86ae12e37253316137d4c9bb1c34d8
Reconstruction of interactions in the ProtoDUNE-SP detector with Pandora	Abud A.A., CERN, The European Organization for Nuclear Research, Meyrin, 1211, Switzerland, University of Liverpool, Liv	Physical Sciences	European Physical Journal C	2023	2	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165264169&doi=10.1140%2fepjc%2fs10052-023-11733-2&partnerID=40&md5=b22642784335e4c7a1e46187f7a022a7
Closing loopholes of measurement-device-independent nonlinear entanglement witnesses	Sen K., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Allahabad, 211	Physical Sciences	Physical Review A	2023	0	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179012155&doi=10.1103%2fPhysRevA.108.052426&partnerID=40&md5=fa74db6b8d34bbefab7c0888b042b602
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Invariance of success probability in Grover's quantum search under local noise with memory	Mandal S.P., Indian Institute of Science Education and Research, Pune, 411 008, India, Harish-Chandra Research Institute,	Physical Sciences	Physical Review A	2023	2	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149772121&doi=10.1103%2fPhysRevA.107.022427&partnerID=40&md5=41590d0c8e4651c0862966058a89266f
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Identification and reconstruction of low-energy electrons in the ProtoDUNE-SP detector	Abud A.A., CERN, The European Organization for Nuclear Research, Meyrin, 1211, Switzerland; Abi B., University of Oxford	Physical Sciences	Physical Review D	2023	2	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162211963&doi=10.1103%2fPhysRevD.107.092012&partnerID=40&md5=a464a96b703222b989580ee107818349
Extraction of product and higher moment weak values: Applications in quantum state reconstruction and entangleme	Sahil, Optics and Quantum Information Group, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 6	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State Physics	2023	1	0375-9601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165638832&doi=10.1016%2fj.physleta.2023.128977&partnerID=40&md5=8c3e40beeda84f69dc545d99fa67bbac
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Unveiling and understanding the remarkable enhancement in the catalytic activity by the defect creation in UIO-66 du	Kar A.K., Catalysis Research Laboratory, Department of Chemistry, Indian Institute of Technology, Ropar, Rupnagar, 14000	Physical Sciences	Applied Catalysis B: Environmental	2023	35	0926-3373	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146480396&doi=10.1016%2fj.apcatb.2023.122385&partnerID=40&md5=b02d78c85b8aff25f7408a5c33787c23
Combining π-Conjugation and Cation −π Interaction for Water-Stable and Photoconductive One-Dimensional Hybrid L	Sheikh T., Department of Chemistry, Indian Institute of Science Education and Research (IISER), Pune, 411008, India; Anilk	Physical Sciences	Journal of Physical Chemistry Letters	2023	9	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148366427&doi=10.1021%2facs.jpclett.2c03861&partnerID=40&md5=f395cbaf8fde42332b5357c86dbdfdde
Hunting ewinos and a light scalar of Z 3-NMSSM with a bino-like dark matter in top squark decays at the LHC	Datta A.K., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj (A	Physical Sciences	Journal of High Energy Physics	2023	3	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176931004&doi=10.1007%2fJHEP11%282023%29081&partnerID=40&md5=fe8a7139ad3de5d14a0b3a1177b579cb
CsPbCl3 → CsPbI3 Exchange in Perovskite Nanocrystals Proceeds through a Jump-the-Gap Reaction Mechanism	Livakas N., Nanochemistry, Istituto Italiano di Tecnologia, Via Morego 30, Genova, 16163, Italy, Dipartimento di Chimica e	Physical Sciences	Journal of the American Chemical Society	2023	10	0002-7863	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171901596&doi=10.1021%2fjacs.3c06214&partnerID=40&md5=c021d9688dc383b92e2e37a76af22bda
Impact of cross-section uncertainties on supernova neutrino spectral parameter fitting in the Deep Underground Neu	Abed Abud A., CERN, The European Organization for Nuclear Research, Meyrin, 1211, Switzerland; Abi B., University of Ox	Physical Sciences	Physical Review D	2023	4	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164022337&doi=10.1103%2fPhysRevD.107.112012&partnerID=40&md5=7e3a4423b3b5b5e4fada2bd51c2559db
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Zinc-Substituted Cobalt Phosphate [ZnCo2(PO4)2] as a Bifunctional Electrocatalyst	Singh D., Faraday Materials Laboratory (FaMaL), Materials Research Centre, Indian Institute of Science, Bangalore, 560012	Physical Sciences	Inorganic Chemistry	2023	1	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166407587&doi=10.1021%2facs.inorgchem.3c01367&partnerID=40&md5=aa0ccdeb45a5f29a57a1031d6371fb03
A class of irreducible modules for loop-Virasoro algebras	Chakraborty P., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayag	Mathematical Sciences	Journal of Algebra and its Applications	2023	1	0219-4988	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129402806&doi=10.1142%2fS0219498823501566&partnerID=40&md5=291a5ec94304b04e397c320a89ff7d46
From the single-atom limit to the mixed-metal phase: finding the optimum condition for activating the basal plane of	Megha N., Harish-Chandra Research Institute, HBNI, Chhatnag Road, Jhunsi, Prayagraj, 211019, India; Sen P., Harish-Chand	Physical Sciences	Physical Chemistry Chemical Physics	2023	1	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163817267&doi=10.1039%2fd3cp01317k&partnerID=40&md5=d4d018d7c08df3e49e4f0cf56a59ac9c
Exclusion principle for nonlocal advantage of quantum coherence	Ghosh P., Harish-Chandra Research Institute, A Ci of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj, 21	Physical Sciences	Physical Review A	2023	2	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167870058&doi=10.1103%2fPhysRevA.108.022410&partnerID=40&md5=54322a0a043e2ff6d749786959a125f2
Young's Inequality for the Twisted Convolution	Ratnakumar P.K., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Prayagraj, 211019, India	Mathematical Sciences	Journal of Fourier Analysis and Applications	2023	0	1069-5869	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175729098&doi=10.1007%2fs00041-023-10051-1&partnerID=40&md5=d4823e3a2978a1b72dca22bba794434d
α -attractor inflation: Models and predictions	Bhattacharya S., Dipartimento di Fisica e Astronomia G. Galilei, Università Degli Studi di Padova, Via Marzolo 8, Padova, 35	Physical Sciences	Physical Review D	2023	5	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161127660&doi=10.1103%2fPhysRevD.107.103530&partnerID=40&md5=cb7ef4aca027c163ac2680592e60fb19
Uncertainty relations in pre- and postselected systems	Sahil, Optics and Quantum Information Group, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 6	Physical Sciences	Physical Review A	2023	0	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172990005&doi=10.1103%2fPhysRevA.108.032206&partnerID=40&md5=fc822ef16dd7cacb1f4b5270aa22b26e
Measurement-device-independent nonlinear entanglement witnesses	Sen K., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Allahabad, 211	Physical Sciences	Journal of Physics A: Mathematical and Theoretical	2023	1	1751-8113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165720534&doi=10.1088%2f1751-8121%2face4a5&partnerID=40&md5=dd187bff8d55596440824b2b7d71db72
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Defects Tune the Strong Metal-Support Interactions in Copper Supported on Defected Titanium Dioxide Catalysts for (	Belgamwar R., Department of Chemical Sciences, Tata Institute of Fundamental Research, Mumbai, 400005, India, Nation	Physical Sciences	Journal of the American Chemical Society	2023	36	0002-7863	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152149799&doi=10.1021%2fjacs.3c01336&partnerID=40&md5=e8c7b4e7476f99007c40298e57f5bd5a
A formal model of Coleman families and applications to Iwasawa invariants	Nuccio Mortarino Majno di Capriglio F.A.E., Université Jean Monnet Saint-Étienne, CNRS, Institut Camille Jordan UMR 520	Mathematical Sciences	Annales Mathematiques du Quebec	2023	0	2195-4755	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164138585&doi=10.1007%2fs40316-023-00217-0&partnerID=40&md5=76a6a1d6bb3afa9953ded783f440bc4f
Estimating phase transition of perturbed J 1 − J 2 Heisenberg quantum chain in mixtures of ground and first excited st	Mondal S., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj, 2	Physical Sciences	New Journal of Physics	2023	2	1367-2630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180367514&doi=10.1088%2f1367-2630%2fad0eef&partnerID=40&md5=136fec477f03daedeb431b28f3d8ee05
Classification of Irreducible Integrable Modules for Extended Affine Lie Algebras with Center Acting Trivially	Tantubay S., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj,	Mathematical Sciences	Journal of Lie Theory	2023	1	0949-5932	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151557557&partnerID=40&md5=993099c9c6a7d7371e64486fe7ef5328
Structure and dynamics of 38-atom Ag-Pt nanoalloys using ANN based-interatomic potential	Ojha A., Department of Chemistry, Indian Institute of Technology Indore, Simrol, Indore, 453552, India; Megha, Harish-Ch	Physical Sciences	Computational and Theoretical Chemistry	2023	2	2210-271X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144465541&doi=10.1016%2fj.comptc.2022.113985&partnerID=40&md5=57fb13f5bdd5ae68d2dcc3bc8a8e1167
Joint statistics of cosmological constant and SUSY breaking in flux vacua with nilpotent Goldstino	Cicoli M., Dipartimento di Fisica e Astronomia, Università di Bologna, via Irnerio 46, Bologna, 40126, Italy, INFN, Sezione d	Physical Sciences	Journal of High Energy Physics	2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145741843&doi=10.1007%2fJHEP01%282023%29013&partnerID=40&md5=495307a4b22436efa2786f9155b78042
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Tensor weight structures and t-structures on the derived categories of schemes; [Structures de poids tensorielles et t-	Dubey U.V., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj,	Mathematical Sciences	Comptes Rendus Mathematique	2023	0	1631-073X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167996960&doi=10.5802%2fcrmath.450&partnerID=40&md5=491e7a79edc756c06f3afa78d02c1778
Incorporation of Bimetallic Sulfide with Carbon Nitride for Advanced Na-Ion Batteries	Lee J.M., Global Innovative Center for Advanced Nanomaterials (GICAN), School of Engineering, College of Engineering, Sc	Physical Sciences	Small	2023	1	1613-6810	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179352613&doi=10.1002%2fsmll.202304587&partnerID=40&md5=002335ddca923057441958fa8932ee56
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Emergent new symmetry from the Higgs shadow	Abdallah W., Department of Mathematics, Faculty of Science, Cairo University, Giza, 12613, Egypt; Barik A.K., Regional Ce	Physical Sciences	Physical Review D	2023	1	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147450937&doi=10.1103%2fPhysRevD.107.015026&partnerID=40&md5=989c150b89bcca9b12ce479d7d090cc1
Optimal quantum resource generation by coupled transmons immersed in Markovian baths	Ray T., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayagraj, 211 0	Physical Sciences	Physical Review A	2023	1	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178110364&doi=10.1103%2fPhysRevA.108.052417&partnerID=40&md5=c3fbc2b413a4ae98f5f12027d5bada1d
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Estimation of coastal tsunami height and arrival time at Kalpakkam	Sen S., Safety, Quality and Resource Management Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakka	Physical Sciences	Indian Journal of Geo-Marine Sciences	2023	0	2582-6727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85196857776&doi=10.56042%2fijms.v52i10.1848&partnerID=40&md5=30d5e7ba0083446d98f30ca0715b76ee
Enhanced sensitivity of partial O-terminated H-diamond for H2S detection at room temperature	Sulthana N.M., Homi Bhabha National Institute, Training School Complex, Anushakti nagar, Mumbai, 400094, India, Mater	Physical Sciences	Diamond and Related Materials	2023	0	0925-9635	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175726892&doi=10.1016%2fj.diamond.2023.110568&partnerID=40&md5=09acf38e2a9b2d618f7a584d843c28af
A low-temperature thin film-based multilayered YSZ electrochemical oxygen sensor with ITO as working electrode	Ravindranath N.A., Novel Chemical Sensor Section, Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycl	Chemical Sciences; Physical Sciences	Electrochimica Acta	2023	0	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171557179&doi=10.1016%2fj.electacta.2023.143052&partnerID=40&md5=87d9cbd24ded76da21b90c3b0943ce41
A combined spectroscopic and theoretical study to investigate the coordination modes of 2,3- and 3,4-pyridine dicarb	Kumar S., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603 10	Chemical Sciences	Journal of Molecular Liquids	2023	0	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165988196&doi=10.1016%2fj.molliq.2023.122545&partnerID=40&md5=89f150e5ded821ff503f859db0a0d513
The fate of the organic phase beyond third phase formation	Parvathy N., Reprocessing Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi Bhabha Nat	Chemical Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174425293&doi=10.1039%2fd3nj02962j&partnerID=40&md5=dee7b7d4feabd248f4a70f018966e9c3
Influence of CeO2 on glass formation, structural and thermal properties of sodium niobium phosphate glass	Senapati A., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 6031	Chemical Sciences; Physical Sciences	Ceramics International	2023	3	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173235945&doi=10.1016%2fj.ceramint.2023.10.055&partnerID=40&md5=55cfadff175f6e89955571da3e278ab9
Room temperature excitonic emission in highly aligned ZnO nanostructures prepared by glancing angle Xe+ ion irradia	Saravanan K., UGC-DAE Consortium for Scientific Research, Kalpakkam Node, Kokilamedu, 603104, India; Sen S., Materials	Physical Sciences	Journal of Luminescence	2023	0	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165359947&doi=10.1016%2fj.jlumin.2023.120059&partnerID=40&md5=7945d942eadde238f47dcc042c5255c4
Thermochemical investigations in the praseodymium-tellurium system	Kumar S.S., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atom	Chemical Sciences	Journal of Alloys and Compounds	2023	1	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167413337&doi=10.1016%2fj.jallcom.2023.171670&partnerID=40&md5=31b5b99bddb1a0add75057537301966b
Experimental Evidences for Quantum Spin Liquid Ground State in Layered Hexagonal Y2CuTiO6	Saha P., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, Tami	Physical Sciences	Journal of Superconductivity and Novel Magnetism	2023	2	1557-1939	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168350841&doi=10.1007%2fs10948-023-06611-7&partnerID=40&md5=c3c2b8e0b5d3f79c368e690e12396a56
Nitrile derivative functionalized graphene oxide membranes for efficient separation of strontium from aqueous waste	Vishwakarma R.K., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Na	Chemical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2023	1	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163192736&doi=10.1016%2fj.colsurfa.2023.131894&partnerID=40&md5=ae2107ec1d7f709027cfe8c400c8a1b0
Influence of Anions on the Corrosion Behavior of 9Cr-1Mo Ferritic Steel in Aqueous Media	Thinaharan C., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atom	Engineering Sciences; Physical Sciences	Corrosion	2023	0	0010-9312	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175842075&doi=10.5006%2f4384&partnerID=40&md5=51f108205ef5166086d61ab320beac79
Photoluminescence studies of Ln3+ (Ln = Eu, Tb) doped Y(benzoate)3 complexes	Maji S., Materials Chemistry and Metal Fuel Cycle Group, India; Kumar S., Materials Chemistry and Metal Fuel Cycle Group	Chemical Sciences	Journal of Luminescence	2023	1	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161306494&doi=10.1016%2fj.jlumin.2023.119950&partnerID=40&md5=18771dd7770641e209920a4a807cba1b
Self-healing in CdTe nanostructures: Insights into their structural stability and optical properties using first principles t	Chavan K.T., Materials Science Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, H	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164213188&doi=10.1016%2fj.jpcs.2023.111524&partnerID=40&md5=76607d531100d5ac9707f08764fda03c
Thermoluminescence dosimetric characteristics of natural zircon	Kumar A.A., Department of Physics, Manonmaniam Sundaranar University, Tamil Nadu, Abishekapatti, Tirunelveli, 627012	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	1	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168325480&doi=10.1016%2fj.nuclphysbps.2023.07.010&partnerID=40&md5=bd7b01b2e8f6d60fb87611b93276e014
Interface structure and bias dependence of VN/AlN/VN tunnel junction: A semi-empirical calculation	Harikumar P., Materials Science Group, Indira Gandhi Center for Atomic Research, Kalpakkam, 603102, India, Homi Bhabh	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	0	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170420367&doi=10.1016%2fj.jmmm.2023.171191&partnerID=40&md5=92b5e95fdbd02bcd4eee049ea7c61eab
Investigation of Phase Equilibria on LiCl-KCl-GdCl3 Ternary System	Ghosh S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, I	Chemical Sciences	Journal of Phase Equilibria and Diffusion	2023	0	1547-7037	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178415839&doi=10.1007%2fs11669-023-01065-9&partnerID=40&md5=7351bd8e78f67dc4051c5fed8c1d06bc
Numerical analysis of solid phase hydrodynamics in a continuous precipitator relevant for plutonium reconversion	Panda S.K., Process, Radiochemistry Reprocessing R&D Division, Reprocessing Group,Indira Gandhi Centre for Atomic Res	Chemical Sciences	Chemical Engineering Research and Design	2023	0	0263-8762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170707441&doi=10.1016%2fj.cherd.2023.08.046&partnerID=40&md5=a06037c640336fd70adfe4d5979b76c6
Effect of cyclic waveforms on cavitation propensity of P91 steel weld joint at 873 K	Vaishali P., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Insti	Engineering Sciences	Journal of Materials Science	2023	0	0022-2461	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174583320&doi=10.1007%2fs10853-023-09002-4&partnerID=40&md5=f02f722c0db2b2c7c62383af2f73cc93
CO2-NH3 dimers: Dominance of π-hole driven tetrel bonding over hydrogen bonding	Chandra S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Center for Atomic Research, Tamil Nadu, Kalpak	Chemical Sciences; Physical Sciences	Chemical Physics Letters	2023	2	0009-2614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165429560&doi=10.1016%2fj.cplett.2023.140722&partnerID=40&md5=2c0f7bebc657c0061a1c6764c344eac3
Surface mount multilayer ceramic capacitors as optically stimulated luminescent dosimeters	Panda M., Indira Gandhi Centre for Atomic Research, Kalpakkam, India; Joshi S., Indira Gandhi Centre for Atomic Research	Physical Sciences	Radiation Physics and Chemistry	2023	1	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170276321&doi=10.1016%2fj.radphyschem.2023.111253&partnerID=40&md5=1206b9081ea7a52227b62670c81a0223
Investigation of magnetic susceptibility and heat capacity of antiferromagnetic La2TiCoO6	Saha P., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, Kalpa	Physical Sciences	Bulletin of Materials Science	2023	2	0250-4707	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171334462&doi=10.1007%2fs12034-023-03030-1&partnerID=40&md5=edb6a9cf5e4b4a040201c74efbf76747
Effect of Dilution on High-Temperature and High-Vacuum Tribological Behaviour of Ni-Cr-B-Si Hardfaced Coating	Sreevidya N., Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, University of Madras, Chepauk, Chenn	Engineering Sciences; Physical Sciences	Transactions of the Indian Institute of Metals	2023	1	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162995471&doi=10.1007%2fs12666-023-02963-9&partnerID=40&md5=244388d2148a7b55957b79e0d83a0938
Studies on the acidification of carbonate waste stream for separation of di-butyl phosphate and recovery of metal	Mishra S., Reprocessing Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Pankaj, Reprocessing	Chemical Sciences	Radiochimica Acta	2023	0	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178286053&doi=10.1515%2fract-2023-0196&partnerID=40&md5=88128712f9ae7135a9bf73535983eafd
Thermoluminescence properties of quartz a natural dosimeter from beach sand	Kumar A.A., Department of Physics, Manonmaniam Sundaranar University, Tamilnadu, Abishekapatti, Tirunelveli, 627012,	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	1	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168590012&doi=10.1007%2fs10967-023-09107-9&partnerID=40&md5=86be66b741531936fa86c7abbaf471bd
Weldability study of 304HCu stainless steel using varestraint and "Gleeble" based hot ductility tests	Divya M., Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Prasanthi T.N., Indira Gandhi Centre for At	Engineering Sciences	Materials Today Communications	2023	1	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168809468&doi=10.1016%2fj.mtcomm.2023.106938&partnerID=40&md5=876bc353b268b4a49c6359ab73f37f90
Vertical graphene nanosheets as interface current-collector for enhanced charge-storage kinetics of bimetallic MOF n	Sahoo G., Department of Chemical Engineering, Chungbuk National University, Chungbuk, Cheongju, 28644, South Korea;	Physical Sciences	Journal of Energy Storage	2023	11	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160418013&doi=10.1016%2fj.est.2023.107824&partnerID=40&md5=ae6c5c454a52e43f9f6e5c52a5680ac0
Planktonic and early-stage biofilm microbiota respond contrastingly to thermal discharge-created seawater warming	Sushmitha T.J., Department of Biotechnology, Alagappa University, Tamil Nadu, Karaikudi, India; Rajeev M., Department o	Life Sciences	Ecotoxicology and Environmental Safety	2023	1	0147-6513	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171801087&doi=10.1016%2fj.ecoenv.2023.115433&partnerID=40&md5=e3eda47f56b4031c5f0d8799a6549756
Influence of thermomechanical processing and tempering temperature on tensile flow and work hardening behaviour	Kumar P.A., Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, Telangana	Engineering Sciences	Materials Science and Engineering: A	2023	0	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171441894&doi=10.1016%2fj.msea.2023.145701&partnerID=40&md5=f1be00871a21f2523ddf5e4a2a1b014d
Pyrohydrolytic separation of fluoride and chloride in U–Zr and U–Pu–Zr metallic fuel alloys through oxidation accompa	Bootharajan M., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu,	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	3	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171780896&doi=10.1007%2fs10967-023-09156-0&partnerID=40&md5=70ad83b8e859c3989648c1aed8de41f3
Investigation of dilute ferromagnetism induced at room temperature in undoped crystalline AlN thin film after isother	Nath D., UGC-DAE Consortium for Scientific Research, Kalpakkam Node, Kokilamedu, 603104, India, University of Madras,	Physical Sciences	Journal of Alloys and Compounds	2023	1	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168831912&doi=10.1016%2fj.jallcom.2023.171727&partnerID=40&md5=72c9d0a3091f430f8cf63b52014522c1
Interfacial interaction driven enhancement in the colossal magnetoresistance property of ultra-thin heterostructure o	Gayathri V., Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi Bhabha	Physical Sciences	Scientific Reports	2023	4	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147786150&doi=10.1038%2fs41598-023-28314-8&partnerID=40&md5=5317d8107487d53007d728ffe737f655
A simulation study on the recirculation effect of land–sea breeze flows on atmospheric dispersion of airborne releases	Reddy B.R., Homi Bhabha National Institute, Mumbai, 4000942, India; Srinivas C.V., Homi Bhabha National Institute, Mum	Physical Sciences	Meteorology and Atmospheric Physics	2023	1	0177-7971	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169023824&doi=10.1007%2fs00703-023-00983-0&partnerID=40&md5=e37fdef67ad288624dc87c3610fc816e

Microstructures and Creep Properties of Type 316LN Stainless Steel Weld Joints	Pavan A.R., Materials Development and Technology Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpak	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Metallurgy and Mate	2023	1	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173010372&doi=10.1007%2fs11661-023-07208-4&partnerID=40&md5=35dcd71cb8060a52af8d20d8ba83ba84
Effect of reverse voltage on alpha spectra of pre-conditioned Si PIN diodes deployed in vacuum/ambient environment	Karrevula V.R., Materials Science Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171617920&doi=10.1016%2fj.nima.2023.168668&partnerID=40&md5=3df88acf615ae8289ce1321f947225c8
Effect of 10B enrichment on the thermal expansion of boron carbide	Tripathy H., Physical Metallurgy Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tam	Engineering Sciences; Physical Sciences	Materials Today Communications	2023	0	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174677825&doi=10.1016%2fj.mtcomm.2023.107347&partnerID=40&md5=f52f6ff0ad172ee164798326af79f70e
Experimental Study and Numerical Simulation of Y2O3 Coatings Deposited by Plasma Spraying at Different Torch Pow	Madhura B., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic	Chemical Sciences	Journal of Thermal Spray Technology	2023	0	1059-9630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171574397&doi=10.1007%2fs11666-023-01653-8&partnerID=40&md5=fbcccc7e79a354a2a3cf4bf128439cba
Effect of additive (Zr) and dopants (Pd & Sb) on the depth of migration of lighter lanthanides (Nd & Ce) from U-bearin	Janardhanan N., Indira Gandhi Centre for Atomic Research (IGCAR), Homi Bhabha National Institute, Kalpakkam, 603102,	Chemical Sciences	Journal of Nuclear Materials	2023	1	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161552245&doi=10.1016%2fj.jnucmat.2023.154562&partnerID=40&md5=6ca86058eb9c604a4d188e9bb4fb820b
Resolving isobaric interference in the determination of Nd isotopes using laser ionisation mass spectrometry towards	Janardhanan N., Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, 603102,	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	1	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174296673&doi=10.1039%2fd3ja00102d&partnerID=40&md5=fd599d9b15aae491b9186b739b569f56
Response of Photonic Hydrogels of Homogeneous Particles to Uranyl Ions in Aqueous Solutions	Joshi R.G., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, Ka	Physical Sciences	Photonic Sensors	2023	0	1674-9251	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172379484&doi=10.1007%2fs13320-023-0695-8&partnerID=40&md5=2e48ace33d21455affa3a0040ebad2dc
Treatment of laboratory generated radioactive organic liquid waste using a novel ionic liquid based resin: A feasibility	Rout A., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603 102, T	Chemical Sciences	Journal of Molecular Liquids	2023	0	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171626369&doi=10.1016%2fj.molliq.2023.123079&partnerID=40&md5=367f15dc61e087274327779a9c5a29e7
Studies on Preparation of Thorium-Based Intermetallics in CaCl2 Melt by Electrochemical De-Oxidation Process	Mukherjee A., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha National In	Chemical Sciences	Journal of the Electrochemical Society	2023	1	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176397702&doi=10.1149%2f1945-7111%2fad02c2&partnerID=40&md5=a00d8ca12209d984fc92218abb7bf8d3
Elucidating Phase Transitions and the Genesis of Broadband Emission in MA1-xFAxPbBr3 Perovskites	Kalita D., Materials Chemistry Department, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, 751013, In	Physical Sciences	Journal of Physical Chemistry C	2023	2	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179604330&doi=10.1021%2facs.jpcc.3c05705&partnerID=40&md5=14b3bf0faf00dc23a06232c4834be483
Characterizing MRO in atomistic models of vitreous SiO2 generated using ab-initio molecular dynamics	Jena S.S., Materials Science Group, Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research, Kalpakkam	Physical Sciences	Applied Physics A: Materials Science and Processing	2023	1	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173613859&doi=10.1007%2fs00339-023-07020-2&partnerID=40&md5=a17446a94b9f1fa4c85292718d7cb4b1
Generation of allowable stress for indigenously developed 304HCu Stainless steel	Ganesh Kumar J., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; G	Engineering Sciences	International Journal of Pressure Vessels and Piping	2023	1	0308-0161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164222518&doi=10.1016%2fj.ijpvp.2023.105015&partnerID=40&md5=64a08d537cb25a17aa10da1317ddb7bb
Oxidation behaviour of Ni-base superalloy 617 in simulated Advanced Ultra Supercritical (AUSC) steam	Ghule B., Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumba	Chemical Sciences	Corrosion Science	2023	5	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170538095&doi=10.1016%2fj.corsci.2023.111503&partnerID=40&md5=dd272fda47101819fa23a71899214522
A study on the competition and synergy between irradiation and temperature on the texture and recrystallization of r	Julie S., Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute (HBNI), Tamil Nadu, Kalpakkam,	Engineering Sciences; Physical Sciences	Applied Surface Science	2023	2	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165899551&doi=10.1016%2fj.apsusc.2023.158085&partnerID=40&md5=e3b959a24365c01fd1cace2d270d8c8b
Solubility of di-cyclohexylhydrogen phosphonate in supercritical carbon dioxide medium: Application towards the rec	Rajani P., Homi Bhabha National Institute (HBNI), Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Pi	Chemical Sciences	Journal of Molecular Liquids	2023	1	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171435194&doi=10.1016%2fj.molliq.2023.123054&partnerID=40&md5=758e0c5aa7220e177471ffb4b7509850
A finite volume method based multi-group neutron diffusion model for space-time nuclear reactor kinetics problems i	Rao R.K., Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, Tamilnadu, Kalpakkam, 60310	Engineering Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172792363&doi=10.1016%2fj.nuclphysbps.2023.09.012&partnerID=40&md5=b2debd60b7e796613d2ffcb8e9fa259e
Hydrogen Adsorption Behavior of Highly Stable Assorted Functionalized UiO-66-MOFs at Low Pressures: A Combined I	Vaddanam V.S., Training School Complex, Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Mater	Chemical Sciences	Journal of Physical Chemistry C	2023	4	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171770088&doi=10.1021%2facs.jpcc.3c03151&partnerID=40&md5=8e1b9dd61c0a3a70a9d06fb0089512c2
Analysis of coupled two-phase natural circulation loops by developing HEM and DFM based numerical models	Adinarayana K.N.V., Homi Bhabha National Institute (HBNI), Training School Complex, Anushaktinagar, Mumbai, 400094, I	Engineering Sciences	International Journal of Thermal Sciences	2023	2	1290-0729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171530315&doi=10.1016%2fj.ijthermalsci.2023.108584&partnerID=40&md5=afca654e65c5a12b7e020a88a4f459b4
Piezoelectric response of InN nanostructures grown on c-Al2O3 and Si substrates: Role of oxygen incorporation in imp	Madapu K.K., Surface and Sensors Studies Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; I	Physical Sciences	Materials Research Bulletin	2023	0	0025-5408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160212576&doi=10.1016%2fj.materresbull.2023.112367&partnerID=40&md5=a35981b81a36382b06b28a01144b9e3a
Adsorption behavior of ruthenium in tri-n-butyl phosphate functionalized multi walled carbon nanotubes	Mohanty B.N., Health &Industrial Safety Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Ho	Chemical Sciences	Diamond and Related Materials	2023	1	0925-9635	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169550173&doi=10.1016%2fj.diamond.2023.110336&partnerID=40&md5=f53e47f22c9eb88e3470b53294683731
Integrity Assessment of 10Cr Ferritic Steel/Alloy 617M Dissimilar Metal Weld Joint under Creep Condition	Sakthivel T., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102,	Engineering Sciences	Journal of Materials Engineering and Performance	2023	4	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146567815&doi=10.1007%2fs11665-023-07802-y&partnerID=40&md5=c4ba83130b7df66b91e06259497e317b
Microstructural Characterization of Novel ZrO2 Dispersion-Strengthened 9Cr Steel by Spark Plasma Sintering	Raghavendra K.G., Department of Physics, Manipal Institute of Technology, Manipal Academy of Higher Education, Karnat	Physical Sciences	Journal of Materials Engineering and Performance	2023	0	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158093454&doi=10.1007%2fs11665-023-08244-2&partnerID=40&md5=699ddda10a5568daefe7a035dbd2c0f5
Thermo-physical properties and microstructural characteristics of U-xZr (x = 40.5, 52 & 75 wt%) alloys	Mollah M.M.R., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, K	Chemical Sciences	Journal of Alloys and Compounds	2023	0	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165996301&doi=10.1016%2fj.jallcom.2023.171443&partnerID=40&md5=0173714a5876d89e66d9d7125ce289ff
Understanding the correlation between extraction and luminescence behavior of Eu(iii) in a biphasic system in the pre	Rout A., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam	Chemical Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175524729&doi=10.1039%2fd3nj03528j&partnerID=40&md5=dc0621a5ace70724ebb7218eb6165372
Electrochemical Preparation of ZrFe2 and ZrFe1.8Ni0.2 Intermetallic Compounds by FFC Cambridge Process	Khan M.S., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha National Instit	Chemical Sciences	Journal of the Electrochemical Society	2023	1	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173576825&doi=10.1149%2f1945-7111%2facf8fc&partnerID=40&md5=cb73c975387132fd198422ae95d8960e
Influence of Oxygen on PdCoO2: Structure, Thermogravimetry, Photoemission, Magnetic and µ-Raman Spectroscopic	John L., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam	Chemical Sciences; Physical Sciences	ChemistrySelect	2023	1	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175973106&doi=10.1002%2fslct.202302555&partnerID=40&md5=23d98de559e0bfd4ee6323b491eaa0a7
Thermal conductivity-based hydrogen in argon detector (HAD): Design, development of instrumentation, and perform	Lakshmigandhan I., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamilnad	Chemical Sciences	Review of Scientific Instruments	2023	0	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180376862&doi=10.1063%2f5.0169764&partnerID=40&md5=301457e9ff73a5f85bb242d0cecc76e4
Synergistically performing graphene oxide-crown ether composite membrane structures for efficient strontium separ	Vishwakarma R.K., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Na	Chemical Sciences	Journal of Environmental Chemical Engineering	2023	1	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175491015&doi=10.1016%2fj.jece.2023.111337&partnerID=40&md5=214ea24d24144e5de6b50496bcfc0f1a
Numerical Simulation of Horizontal Convective Rolls Over a Tropical Coastal Site Using WRF: Sensitivity to Land Surfac	Reddy B.R., Environmental Assessment Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Hor	Physical Sciences	Pure and Applied Geophysics	2023	0	0033-4553	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176108795&doi=10.1007%2fs00024-023-03361-4&partnerID=40&md5=b5381b1bf7af7bc1ba4dd3afc4e18fca
New insights into defects and magnetic interactions inducing lattice disordering in Co2Fe0.5Cr0.5Al	Yadav R.K., Materials Science Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, India, Ind	Engineering Sciences; Physical Sciences	RSC Advances	2023	1	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164247349&doi=10.1039%2fd2ra08318c&partnerID=40&md5=bac8cf23595b0dfb083dc17a42b6974b
Modeling and Validation Studies on Solidification of Sodium Nitrate and LiCl-KCl	Sujish D., Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, India, Homi Bhabha National Institut	Chemical Sciences	Chemical Engineering and Technology	2023	1	0930-7516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148998275&doi=10.1002%2fceat.202200483&partnerID=40&md5=bb4fb09325e1128c9ec3e0bb8c148a94
The relative effect of boron and nitrogen concentrations on microstructure and creep resistance of weld simulated he	Rejeesh R., Indian Institute of Technology (I.I.T.) Kharagpur, West Bengal, Kharagpur, 721302, India; Biswal S., Indian Instit	Engineering Sciences	Materials Science and Engineering: A	2023	2	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164223780&doi=10.1016%2fj.msea.2023.145417&partnerID=40&md5=d7ec787919f5a9cc823420e4a21aad83
Interaction of air plasma-sprayed spinel and yttria coatings with ultra-high temperature ceramic-metal hot-melt	Varghese P., Metallurgy & Materials Group, Homi Bhabha National Institute, Training School Complex, Anushaktinagar, M	Chemical Sciences	Ceramics International	2023	2	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150272613&doi=10.1016%2fj.ceramint.2023.03.114&partnerID=40&md5=2e03d699fd1092434e3b287d11636a72
Investigating algebraic topological method for solving 3D Laplace equation in electrostatic boundary value problems	Arun A.D., Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai, 400094, India, Electronics	Physical Sciences	Computer Physics Communications	2023	0	0010-4655	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156236189&doi=10.1016%2fj.cpc.2023.108759&partnerID=40&md5=43f66496e9887934fd4f01ad06b6579a
Coolant leak rate through fatigue cracked pipe bend: An experimental and design standard based investigation	Kumar R.S., Reactor Design & Technology Group, Indira Gandhi Centre For Atomic Research, Kalpakkam, India; Rao B.N., In	Engineering Sciences	International Journal of Pressure Vessels and Piping	2023	1	0308-0161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152095739&doi=10.1016%2fj.ijpvp.2023.104953&partnerID=40&md5=d213e5a6b44df0e56154d08ddea4d1c8
Numerical studies on liquid sodium flow boiling in a 7-pin hexagonal subassembly towards flow rundown scenario in S	Tom S., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Mangarjuna R	Engineering Sciences	Applied Thermal Engineering	2023	0	1359-4311	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158909515&doi=10.1016%2fj.applthermaleng.2023.120637&partnerID=40&md5=b6df89a728e990327800be99407cbcc7
Structural, Raman, four probe conductivity, Hall and magnetoresistance studies on phase pure tetragonal PtO stabiliz	Ravindranath N.A., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre fo	Chemical Sciences; Physical Sciences	Applied Physics A: Materials Science and Processing	2023	1	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167458637&doi=10.1007%2fs00339-023-06884-8&partnerID=40&md5=4a16f7baf394a07dfcece65cab7f4fca
Accurate Evaluation of Dispersion Energies at Coupled Cluster Level to Understand the Substituent Effects in Am(III) a	Sachin A.R., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha National Insti	Chemical Sciences	Journal of Physical Chemistry A	2023	2	1089-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168256410&doi=10.1021%2facs.jpca.3c03027&partnerID=40&md5=2fe43196ef98078081d6478d13fd300a
The Tribocorrosion Behaviour and its Mechanisms of Type 304L Stainless Steel in Nitric Acid Media	Priya R., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Res	Chemical Sciences	Journal of Materials Engineering and Performance	2023	1	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140013002&doi=10.1007%2fs11665-022-07511-y&partnerID=40&md5=e97ae6d617213c288f980e88163d4c81
Contact angle measurement system with liquid sodium in inert atmosphere	Faizal V.A., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 60310	Chemical Sciences	Review of Scientific Instruments	2023	0	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162902856&doi=10.1063%2f5.0151599&partnerID=40&md5=69206b05978d680f5449a18c842638d2
Diglycolamic acid coated cation exchange adsorbent for uranium removal by extraction chromatography	Selvan B.R., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpa	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	2	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151383975&doi=10.1007%2fs10967-023-08869-6&partnerID=40&md5=8dd234f5409e69f669420159ed9d42ef
Highly Porous Polypyrrole (PPy) Hydrogel Support for the Design of a Co-N-C Electrocatalyst for Oxygen Reduction Rea	Parida S.K., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, IGCAR, A CI of Homi Bhabha Na	Chemical Sciences; Physical Sciences	ACS Applied Materials and Interfaces	2023	4	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167482001&doi=10.1021%2facsami.3c08022&partnerID=40&md5=bcc0e8f5e9333d4ada2aefce531c8f9d
Insights into the surface chemistry induced photoreactivity of Fe-doped SnO2 in dye degradation	Pan S., Surface and Sensors Studies Division, Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of H	Chemical Sciences; Physical Sciences	Inorganic Chemistry Communications	2023	1	1387-7003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151633913&doi=10.1016%2fj.inoche.2023.110672&partnerID=40&md5=670548ad95b59a0bfd230e46419b62f9
Competition between full slip and twinning in BCC-Fe: Effect of preloaded stress and temperature	Veerababu J., Homi Bhabha National Institute, Maharashtra, Mumbai, 400 094, India, Mechanical Metallurgy Division, Ind	Engineering Sciences	Journal of Applied Physics	2023	2	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166912911&doi=10.1063%2f5.0154055&partnerID=40&md5=b0333babb404be82b51deb50bc70850a
Study of atmospheric dispersion of radioactive effluents under inversion condition at coastal station Kalpakkam for ra	Kundu D., Environmental Assessment Section, Environmental Assessment Division, Safety Quality and Resource Managem	Physical Sciences	Meteorology and Atmospheric Physics	2023	0	0177-7971	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152654700&doi=10.1007%2fs00703-023-00962-5&partnerID=40&md5=32e41a523c4eff45c5a1bf88e2dabca8
Development of a chelating ion exchange-based radionuclides removal method for the treatment of routine laborator	Suneesh A.S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpa	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2023	0	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159302342&doi=10.1007%2fs10967-023-08927-z&partnerID=40&md5=a2a7830fc3659df50f931cbbdac3e6b4
Silicon carbide capped magnetite nanoparticles: Role of capping on high-temperature stability, magnetic properties, a	Muthukumaran T., Indira Gandhi Centre for Atomic Research, HBNI, Tamil Nadu, Kalpakkam, India; Philip J., Indira Gandhi	Physical Sciences	Ceramics International	2023	0	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163278571&doi=10.1016%2fj.ceramint.2023.06.093&partnerID=40&md5=b9689ed66865ce719ab1b0218462a3b8
A gelation facility for the preparation of ceramic microspheres	Maji D., Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, India, Homi Bhabha National Institute,	Chemical Sciences	Progress in Nuclear Energy	2023	0	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161718651&doi=10.1016%2fj.pnucene.2023.104769&partnerID=40&md5=298d6a214e4f8fb99025244e49f4b913
Correlating CSL Evolution and Strain Energy in Single Step Grain Boundary Engineered Austenitic Stainless Steel	Palaparti D.P.R., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India, Mate	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Metallurgy and Mate	2023	1	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149251758&doi=10.1007%2fs11661-023-07003-1&partnerID=40&md5=fd70607d04b5faa310066fd3ecf5a693
Gibbs Energy of Formation of U2Mo and U2Ti Determined by EMF Measurements in LiCl...KCl...UCl3 Melt	Vijay S.K., Metal Fuel and Pyroprocessing Division, Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre fo	Chemical Sciences	Thermochimica Acta	2023	0	0040-6031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150368143&doi=10.1016%2fj.tca.2023.179483&partnerID=40&md5=4b701836034eb115b1d4825955ec32f8
Ion conduction property and electrochemical characteristics of Ag-ion gel polymer electrolyte	Parthiban V., Department of Engineering Physics, College of Engineering, Koneru Lakshmaiah Education Foundation, Vadd	Chemical Sciences	Synthetic Metals	2023	0	0379-6779	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165714608&doi=10.1016%2fj.synthmet.2023.117416&partnerID=40&md5=76dbc5a41465fa44b0a04d80d9c7516c
Anisotropic magnetic and magnetotransport properties in morphologically distinct Nd0.6Sr0.4MnO3thin films	Mrinaleni R.S., Material Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi Bhabh	Physical Sciences	Physica Scripta	2023	1	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163585204&doi=10.1088%2f1402-4896%2facd733&partnerID=40&md5=0688e44dbec9ed98c820364a7c42da05
Creep deformation behaviour of thermomechanically treated India specific reduced activation ferritic martensitic stee	Kumar P.A., Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, Telangana	Engineering Sciences	Journal of Nuclear Materials	2023	2	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152144531&doi=10.1016%2fj.jnucmat.2023.154441&partnerID=40&md5=0b9f39b03b07556b104a50c28e76b797
Physicochemical properties and AC magnetic field induced heating properties of solvothermally prepared thiospinel: F	Aarathy A.R., Department of Physics, University of Kerala, Kerala, Thiruvananthapuram, 695581, India; Lahiri B.B., Smart M	Physical Sciences	Physica Scripta	2023	3	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159718720&doi=10.1088%2f1402-4896%2facd0e0&partnerID=40&md5=12b51ee785344e00bce63252ff93f320
Current redistribution model of anomalous resistance behaviour in superconductor-topological insulator heterostruct	Abhirami S., Materials Science Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, H	Physical Sciences	Superconductor Science and Technology	2023	0	0953-2048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165224627&doi=10.1088%2f1361-6668%2face386&partnerID=40&md5=0ee25b4b719ef26950aea9122d2ef69e
Creep Performance and Microstructural Characterization of Electron-Beam Welded 316LN SS-Grade 91 Steel Dissimila	Vanaja J., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi Bh	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Metallurgy and Mate	2023	3	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159686324&doi=10.1007%2fs11661-023-07074-0&partnerID=40&md5=3ea3dcdb013f39977de0d55ff2371f3c
Studies on the effect of In3+ ion on magnetic and magneto caloric properties of polycrystalline TbMnO3	Soumya S., Department of Physics, School of Sciences, GITAM (Deemed to be University), Andhra Pradesh, Visakhapatnam	Physical Sciences	Journal of Solid State Chemistry	2023	2	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149836837&doi=10.1016%2fj.jssc.2023.123971&partnerID=40&md5=e9f835c47610b7f9dddf4a6112b2a3b2
A scheme for a priori generation of the optical patterns for magnetic nanoemulsion based defect detection in carbon	Nandy M., Smart Materials Section, Corrosion Science and Technology Division, Materials Characterization and Engineerin	Physical Sciences	NDT and E International	2023	3	0963-8695	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148065598&doi=10.1016%2fj.ndteint.2023.102810&partnerID=40&md5=e1059357bb48c1e53f5921f688aa2b74
Spatio-temporal evolution of sodium aerosol and temperature distribution during sodium pool fire in a confined envir	Kumar A., Radiological and Environmental Safety Group, Indira Gandhi Center for Atomic Research, A CI of Homi Bhabha N	Chemical Sciences; Physical Sciences	Nuclear Engineering and Design	2023	0	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163058726&doi=10.1016%2fj.nucengdes.2023.112424&partnerID=40&md5=f5662fa93ebbaec3ea139cff29a65e5d
π-hole driven N···O/N···π Pnicogen and C···O Tetrel Bonding inNitromethane-Carbonyl Dimers: Comprehensive Study	Mahapatra N., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Center for Atomic Research, Tamil Nadu, Kalp	Chemical Sciences; Physical Sciences	ChemistrySelect	2023	1	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168673730&doi=10.1002%2fslct.202302817&partnerID=40&md5=288257d96ca267bf97de936c9b6a114b
Dissolution of chromium containing oxides by dissolved ozone (DOz) coupled with permanganate: A novel method to	Chandramohan P., Radiation and Deposit Control Studies Section, Water and Steam Chemistry Division, Chemistry Group,	Chemical Sciences	Progress in Nuclear Energy	2023	1	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165533699&doi=10.1016%2fj.pnucene.2023.104818&partnerID=40&md5=2018569819d7542b4ec9bf09c25f80bd
Growth of Cd1-xMnxTe crystals by vertical Bridgman method and analysis of composition dependence on the bandga	Rajan M., Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, 603110, India; Paulraj R.	Physical Sciences	Materials Science in Semiconductor Processing	2023	4	1369-8001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153268776&doi=10.1016%2fj.mssp.2023.107484&partnerID=40&md5=bc38f5507a84f5e70cb7552167cb945a
Realization of high performance PZN-PT single crystal based piezoelectric flexural mode hydrophone for underwater s	Manikandan C., Crystal Growth Centre, Anna University, Chennai, 600 020, India; Varadarajan E., Combat Vehicle Researc	Physical Sciences	Materials Research Express	2023	4	2053-1591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163740072&doi=10.1088%2f2053-1591%2facdfbd&partnerID=40&md5=b8540c7d7a10229dced8ebacaeeade1e
Magnetic and robust dielectric properties in distorted double perovskite Gd2CuTiO6	Saha P., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, Tami	Physical Sciences	Applied Physics A: Materials Science and Processing	2023	1	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168313101&doi=10.1007%2fs00339-023-06885-7&partnerID=40&md5=f500b79b3f4022f755ba79556f785c6a
Origin of bound exciton emission in CVD-grown monolayer MoS2	Madapu K.K., Surface and Sensors Studies Division, Materials Science Group, Indira Gandhi Centre for Atomic Research, Ka	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169299327&doi=10.1103%2fPhysRevB.108.085429&partnerID=40&md5=ad5388ee192992b5ed54aa2ad340d169
Effect of B and N Content and Austenitization Temperature on the Tensile and Impact Properties of Modified 9Cr-1Mo	Rejeesh R., Indian Institute of Technology (IIT), Kharagpur, 721302, India; Barik R.K., Indian Institute of Technology (IIT), Kh	Engineering Sciences	Metals	2023	1	2075-4701	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163837849&doi=10.3390%2fmet13061124&partnerID=40&md5=a7c11ace298dc8d0ec0c646abdb1af4c
Efficient tunability of size and optical properties of reduced graphene oxide-ZnO composite nanocrystallites on solid s	Narayanam P.K., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Ka	Chemical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2023	0	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150833258&doi=10.1016%2fj.colsurfa.2023.131229&partnerID=40&md5=8f46af0cdbbd52e219153829b1464aba
Enhanced Light Scattering Using a Two-Dimensional Quasicrystal-Decorated 3D-Printed Nature-Inspired Bio-photonic	Kumbhakar P., Department of Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur, Kharagp	Physical Sciences	Journal of Physical Chemistry C	2023	3	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160735552&doi=10.1021%2facs.jpcc.3c00513&partnerID=40&md5=5733e0f1514538bf53a250f1496e0fac
Study on the microstructure and mechanical properties of hybrid laser + MIG welded joints of 316LN stainless steel	Pavan A.R., Materials Development and Technology Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakk	Engineering Sciences	Optics and Laser Technology	2023	6	0030-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151024384&doi=10.1016%2fj.optlastec.2023.109410&partnerID=40&md5=c2c3cbae2266cdfbf55b8045a41e2b5a
Enhanced temperature coefficient of resistance in nanostructured Nd0.6Sr0.4MnO3 thin films	R S M., Material Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi Bhabha Natio	Physical Sciences	Thin Solid Films	2023	1	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163765228&doi=10.1016%2fj.tsf.2023.139933&partnerID=40&md5=99eb9393390d772e6d7eea65ad2f29cd
Estimation of neutron source strength for external source subassembly in PFBR using GEANT4	Chakraborty A., Reactor Shielding and Data Division, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 6	Engineering Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168501125&doi=10.1016%2fj.nuclphysbps.2023.07.012&partnerID=40&md5=a249e77f72b9bed89d8efa7452c3b3b5
Scale-Invariant Geometries Arising from the Interaction Between a 9%Cr Steel and Molten Nitrate Salt	Aashranth B., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102,	Engineering Sciences	JOM	2023	0	1047-4838	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158118352&doi=10.1007%2fs11837-023-05844-0&partnerID=40&md5=8ebb4a53c5005615809bdd1f10501750
Highly efficient post-synthetically modified UiO-66 MOF for the extraction of Pd(ii) from aqueous solutions: experime	Sengupta S., Material Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpa	Chemical Sciences	New Journal of Chemistry	2023	2	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167352727&doi=10.1039%2fd3nj02770h&partnerID=40&md5=fac74fc1e780ba7268439eb994cabfeb
Reverse transition of ball milling induced m-Y2O3 nano-crystallites during in-situ annealing	Vaishnavi Krupa B.R., Physical Metallurgy Division, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603	Physical Sciences	Ceramics International	2023	0	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158838034&doi=10.1016%2fj.ceramint.2023.04.185&partnerID=40&md5=2a25ca964bf21dfdf19367bf4d392f80
High contrast corrosion mapping of dissimilar metal weld joints using alternating current scanning electrochemical mi	Pal A., Homi Bhabha National Institute, Kalpakkam, 603102, India; Krishna N.G., Corrosion Science and Technology Divisio	Engineering Sciences; Physical Sciences	Corrosion Science	2023	6	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162737623&doi=10.1016%2fj.corsci.2023.111345&partnerID=40&md5=e964e0207909e38c2146fa38d431e869
Raman studies in Al+ implanted semi insulating 6H-SiC	Kamalakkannan K., Department of Nuclear Physics, University of Madras, Guindy Campus, Chennai, 600025, India; Rajaran	Physical Sciences	Materials Letters	2023	1	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153564597&doi=10.1016%2fj.matlet.2023.134404&partnerID=40&md5=38fe4ac71774f445a8d7daa846012328
Thermochemical Properties Over LiCl-KCl-UCl3 Ternary Salt System: Knudsen Effusion Mass Spectrometric Study	Trinadh V.V., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, India, Homi Bhabha National Institute, M	Chemical Sciences	Journal of Phase Equilibria and Diffusion	2023	1	1547-7037	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167356123&doi=10.1007%2fs11669-023-01053-z&partnerID=40&md5=68481811932845f94ebf3b1d48ce4452
Chromoionophoric probe imbued porous polymer monolith as a Three-in-One Solid-state Naked-eye sensor for the se	Srinivasan P., Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology (VIT), Tamil Nadu, V	Chemical Sciences	Chemical Engineering Journal	2023	9	1385-8947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165061093&doi=10.1016%2fj.cej.2023.144627&partnerID=40&md5=f2ffa0ff64fb7280d068714fab367eac
Enhanced microwave dielectric properties of ZnNb2O6 by heterovalent ion substitution	Kumar A.V., Microwave Laboratory, Department of Physics, Indian Institute of Technology Madras, Chennai, 600036, India	Physical Sciences	Journal of Alloys and Compounds	2023	8	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147886262&doi=10.1016%2fj.jallcom.2023.169202&partnerID=40&md5=a463eb4662ce968966dba121e961d6e0
Synthesis and characterization of 9Cr ODS F/M steel with optimized Y2O3 and Ti content and its comparison with P91	Parida P.K., Physical Metallurgy Division, Indira Gandhi Centre for Atomic Research, Homi Bhabha National Institute (HBNI	Engineering Sciences; Physical Sciences	Powder Technology	2023	1	0032-5910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153098352&doi=10.1016%2fj.powtec.2023.118564&partnerID=40&md5=ab029e4a42eea6b76f425c99ad52f152
Facile fabrication of superhydrophobic steel surfaces with self-cleaning ability using nickel myristate/PDMS bilayer co	Vanithakumari S.C., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for	Physical Sciences	Surface and Coatings Technology	2023	2	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161645794&doi=10.1016%2fj.surfcoat.2023.129712&partnerID=40&md5=6e3b22b97ed4cea3516f71e5266d111a
Determination of thermochemical properties of stainless steels type D-9 and T-91 using Knudsen Effusion Mass Spect	Trinadh V.V., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kal	Chemical Sciences	Thermochimica Acta	2023	0	0040-6031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160677850&doi=10.1016%2fj.tca.2023.179538&partnerID=40&md5=8b20ebfce91fa6cec973fae87dd4305b
Polyvinylidene Difluoride-SiO2-Silane Based Superhydrophobic Coatings on Carbon Steel with Enhanced Corrosion Res	Vanithakumari S.C., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for	Physical Sciences	Journal of Materials Engineering and Performance	2023	5	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140135007&doi=10.1007%2fs11665-022-07530-9&partnerID=40&md5=86b0c1f6c59537c0f934c94ec4fa1d1a
Development and validation of an empirical method to determine summing correction factors of long lived gamma ra	Margret M., Environmental Assessment Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Ch	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168466302&doi=10.1016%2fj.nuclphysbps.2023.07.001&partnerID=40&md5=e665d60dfcd62831b320d67d996ba6b8

Solubility of tris(2-methylbutyl) phosphate in supercritical carbon dioxide and its application for the recovery of uraniu	Subashree K., Homi Bhabha National Institute (HBNI), Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, Indi	Chemical Sciences	Journal of Supercritical Fluids	2023	2	0896-8446	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159147696&doi=10.1016%2fj.supflu.2023.105973&partnerID=40&md5=854f61bc3ac8813ec6503c00dc64634d
Bias correction of CMIP6 simulations of precipitation over Indian monsoon core region using deep learning algorithms	Kesavavarthini T., Atmospheric Science Research Laboratory, Department of Physics and Nanotechnology, SRM Institute o	Physical Sciences	International Journal of Climatology	2023	4	0899-8418	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150591377&doi=10.1002%2fjoc.8056&partnerID=40&md5=13fd6af9831bdb4a4fe40d26f14ad7df
Comparative and inter-conversion analysis of dry and wet methods of particle size distribution using a test case of bat	Panda S.K., Reprocessing Research and Development Division, Reprocessing Group, Indira Gandhi Centre for Atomic Resea	Chemical Sciences	Brazilian Journal of Chemical Engineering	2023	1	0104-6632	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128711485&doi=10.1007%2fs43153-022-00244-4&partnerID=40&md5=7505054c1dc9646a653ff0928494d348
Large amplitude oscillatory shear studies on dense PNIPAM microgel colloidal glasses	Saisavadas M.V., School of Physics, University of Hyderabad, Hyderabad, 500 046, India; Dhara S., School of Physics, Unive	Physical Sciences	Colloid and Polymer Science	2023	2	0303-402X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151485262&doi=10.1007%2fs00396-023-05096-z&partnerID=40&md5=96cdd46c8a593f661480617d0fbb9f8b
Uncapped SnO2 quantum dots for selective adsorption, separation and photocatalytic degradation of a mixture of dye	Reshma T.S., Surface and Sensor Studies Division, Material Science Group, Indira Gandhi Centre for Atomic Research, A CI	Chemical Sciences	New Journal of Chemistry	2023	1	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169572218&doi=10.1039%2fd3nj02773b&partnerID=40&md5=1816d4a97464c819023c5cd6a689e6e1
Unravelling the microstructure – indentation creep resistance relationships for friction stir welded modified 9Cr-1Mo	Venkata krishna A., Department of Mechanical Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkar	Engineering Sciences	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of M	2023	2	1464-4207	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145946981&doi=10.1177%2f14644207221148658&partnerID=40&md5=0192e886e2a3f4d5451e66d370a3e20d
Synergistic enhancement of corrosion protection of carbon steels using corrosion inhibitors and biocides: Molecular a	Anandkumar B., Corrosion Science and Technology Division, MCG, Metallurgy and Materials Group, Indira Gandhi Centre f	Chemical Sciences; Physical Sciences	Journal of Environmental Chemical Engineering	2023	14	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151699572&doi=10.1016%2fj.jece.2023.109842&partnerID=40&md5=cdd69780a27c4089f6d3a8c97c2c737b
A polypyrrole derived nitrogen doped porous carbon support for an atomically dispersed Mn electrocatalyst for the o	Parida S.K., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, IGCAR, A CI of Homi Bhabha Na	Chemical Sciences	Sustainable Energy and Fuels	2023	3	2398-4902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165058591&doi=10.1039%2fd3se00495c&partnerID=40&md5=898bd4f5a3fc631f2c5d76a38dc3b62b
Sequestration of cobalt and nickel by biofilm forming bacteria isolated from spent nuclear fuel pool water	Karley D., Amity Institute of Biotechnology, Amity University, 493225, Chhattisgarh, Raipur, India, Biofouling & Biofilm Pro	Life Sciences	Environmental Monitoring and Assessment	2023	3	0167-6369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159708559&doi=10.1007%2fs10661-023-11266-x&partnerID=40&md5=2664c8dd2387f786a835139ef708dc26
Electrospun superparamagnetic fibrous composite nanofiber films for enhanced oil spill recovery: Effect of capping an	Anushree C., MCG, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, HBNI, Tamil Nadu, Kalpakk	Physical Sciences	Composites Part A: Applied Science and Manufacturing	2023	4	1359-835X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153563205&doi=10.1016%2fj.compositesa.2023.107591&partnerID=40&md5=98ec4921cebb5e34882761df2ddd3066
An inherently fault tolerant control of sodium cooled fast reactors and its stability analysis using particle swarm optim	Muthuraj T., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Indira Gandhi Centre for Atomic Re	Engineering Sciences	Progress in Nuclear Energy	2023	2	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152486863&doi=10.1016%2fj.pnucene.2023.104676&partnerID=40&md5=d0b1403e5b6f3b02bd8846ddb2e2ceb2
Machine learning assisted prediction of creep data of India specific reduced activation ferritic martensitic steel	Narula P., Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, Telangana,	Engineering Sciences	Materials Today Communications	2023	1	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159771931&doi=10.1016%2fj.mtcomm.2023.106165&partnerID=40&md5=5900692e5cbe7b86492529bbbe24e935
Unique magnetic graphene oxide with enhanced carboxylate functional groups for uranium separation by solid phase	Suneesh A.S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, 102,	Chemical Sciences; Engineering Science	Materials Science and Engineering: B	2023	8	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160734634&doi=10.1016%2fj.mseb.2023.116609&partnerID=40&md5=da37b001ccf60ed207b71f437d84a29e
Non-isothermal crystallization kinetics study of sodium niobium phosphate glasses	Senapati A., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalp	Chemical Sciences	Journal of Non-Crystalline Solids	2023	7	0022-3093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147538803&doi=10.1016%2fj.jnoncrysol.2023.122154&partnerID=40&md5=d49afc2d69b6f0448e319f0af56b213d
Preparation, physicochemical characterization, and AC induction heating properties of colloidal aggregates of ferrima	Anila I., Mössbauer Research Group, Department of Physics, S.B. College, Kerala, Changanassery, 686101, India, Mahatma	Physical Sciences	Ceramics International	2023	8	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147233572&doi=10.1016%2fj.ceramint.2023.01.101&partnerID=40&md5=055dcb38119fcac9064131dd165857b8
A Comparative Study on the Microstructural Evolution and Mechanical Behavior of 316LN Stainless Steel Welds Made	Pavan A.R., Materials Development and Technology Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102	Engineering Sciences	Journal of Materials Engineering and Performance	2023	3	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175637936&doi=10.1007%2fs11665-023-08881-7&partnerID=40&md5=9facb36002f426d874717724140340a7
Computational fluid dynamics simulation of hybrid laser-MIG welding of 316 LN stainless steel using hybrid heat sour	Unni A.K., Homi Bhabha National Institute, Mumbai, India; Vasudevan M., Homi Bhabha National Institute, Mumbai, India	Engineering Sciences	International Journal of Thermal Sciences	2023	9	1290-0729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143365369&doi=10.1016%2fj.ijthermalsci.2022.108042&partnerID=40&md5=e62da94db8f92800ad2a095fc9783189
Effect of thermomechanical treatment and tempering temperature on microstructure and tensile properties of India s	Anil Kumar P., Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, Telanga	Engineering Sciences	Journal of Nuclear Materials	2023	6	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145581401&doi=10.1016%2fj.jnucmat.2022.154186&partnerID=40&md5=90fb610713987585962bebabcdf111fc
Performance of cooling system of a fast reactor sub-assembly storage facility during station blackout	Mishra V.K., Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu, 603102, India, Homi Bhabha National Inst	Engineering Sciences	Progress in Nuclear Energy	2023	2	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147539462&doi=10.1016%2fj.pnucene.2023.104592&partnerID=40&md5=e1c25a2dad3dbbd404aecea1012a9ee8
Failure analysis of a reducer section in the creep loop of INSOT facility	Prasanthi T.N., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research Kalpakkam, 603102 Tamil Nadu	Engineering Sciences	Engineering Failure Analysis	2023	0	1350-6307	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144020767&doi=10.1016%2fj.engfailanal.2022.106991&partnerID=40&md5=6f77b98d6bbaf4f172b7a4dbcfe0934b
Synthesis of large 2D oxide nanosheets by virtual substrate method and growth-kinetics studies using prototype CuO/	Chandra S., UGC-DAE CSR, Kalpakkam Node, Kokilamedu, Tamil Nadu, 603104, India, University of Madras, TN, Chennai, 6	Physical Sciences	Thin Solid Films	2023	4	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147540217&doi=10.1016%2fj.tsf.2023.139726&partnerID=40&md5=3585446d7315d637bea3e840eb27c139
Microstructure and Tensile Properties of Dissimilar Weld Joint Between Alloy 800 and Buttered Grade 91	Panneer Selvi S., Materials Development Division, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Metallurgy and Mate	2023	3	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146647167&doi=10.1007%2fs11661-022-06941-6&partnerID=40&md5=e9b80e626b203599da47dd228f565148
Investigating the Magnetocaloric Properties of Magnetically Frustrated Delafossite: AgCrO2	Murugan K., Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Chennai, 603203, Indi	Physical Sciences	Journal of Electronic Materials	2023	1	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140588896&doi=10.1007%2fs11664-022-10014-0&partnerID=40&md5=53693f7bd0b0ad8b960c10376c1d6d09
Amino-functionalized graphene oxide membranes for efficient separation of Sr2+ ions	Vishwakarma R.K., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Na	Chemical Sciences; Physical Sciences	Journal of Water Process Engineering	2023	4	2214-7144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142810800&doi=10.1016%2fj.jwpe.2022.103329&partnerID=40&md5=c3e89ccb99e947fdff647a9da6263a44
Binder-free vertical graphene nanosheets templated NiO petals for high-performance supercapacitor applications	Kumar V.M., Surface and Nanoscience Division, Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI o	Chemical Sciences; Physical Sciences	Journal of Alloys and Compounds	2023	21	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140730860&doi=10.1016%2fj.jallcom.2022.167420&partnerID=40&md5=35523d6630b4326c3391f2cfe71dd4fe
Effect of Microstructure Evolution on the Mechanical Properties of P92 Steel during Long-Term Thermal Aging	Sakthivel T., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102,	Engineering Sciences	Materials Performance and Characterization	2023	0	2165-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148648264&doi=10.1520%2fMPC20220071&partnerID=40&md5=9c5c55c0a7a96e1a49f37fb2d284d150
Effect of Thermal Aging on Deformation and Fracture Properties of SS 304HCu	Shanthi G., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, India; Nar	Engineering Sciences	Journal of Materials Engineering and Performance	2023	0	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139679424&doi=10.1007%2fs11665-022-07408-w&partnerID=40&md5=b73ef144eb9b4909ef4326d8bbf6ca5a
Tensile Deformation Study on Heat Affected Zone of Mod. 9Cr-1Mo Steel Weld	Nikhil R., Materials Joining and Materials Mechanics Division, Materials Development and Technology Group, Indira Gandl	Engineering Sciences	Journal of Materials Engineering and Performance	2023	2	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137536200&doi=10.1007%2fs11665-022-07279-1&partnerID=40&md5=7f5453df36e74266e8f41852ca0261a8
Effect of pre-adsorbed moisture and humidity on I–V characteristics of Si PIN diode	Karrevula V.R., Surface and Nanoscience Division, Material Science Group, Indira Gandhi Centre for Atomic Research, A CI	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	6	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144054440&doi=10.1016%2fj.nima.2022.167832&partnerID=40&md5=4c6dfeff35243330cb72d61935e581f4
The complexation of lanthanides by glycolamide extractants: Evidences from electronic spectroscopy and DFT calcula	Prathibha T., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603	Chemical Sciences; Physical Sciences	Inorganica Chimica Acta	2023	3	0020-1693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149789579&doi=10.1016%2fj.ica.2023.121396&partnerID=40&md5=72787549e767b058b61df45d3d299c2c
Novel green emitting Tb3+ doped KCaF3 phosphor for WLEDs and TLD applications	Kameshwaran R., Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Tamil Nadu, Kalavakkam, 603	Physical Sciences	Ceramics International	2023	8	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141003385&doi=10.1016%2fj.ceramint.2022.10.316&partnerID=40&md5=fa1f06cf646005edc9bd8c9144210b8c
Morphological and optical investigations on Gd2O3 nanostructures	Jegadeesan P., Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603 102, India; Sen S., Ma	Chemical Sciences; Physical Sciences	Inorganic Chemistry Communications	2023	2	1387-7003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150426872&doi=10.1016%2fj.inoche.2023.110493&partnerID=40&md5=4d7f1a1830f59c6921c80b696896e38a
Heavy metal concentration in marine edible fishes and associated health risks: An assessment from Tamil Nadu coast,	Samantara M.K., Radiological & Environmental Safety Division, RESG, SQ&RMG, Indira Gandhi Centre for Atomic Research	Physical Sciences	Environmental Chemistry and Ecotoxicology	2023	1	2590-1826	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174665663&doi=10.1016%2fj.enceco.2023.09.002&partnerID=40&md5=f2639f44d0530c80c74a6a0c0cca3f49
Impact of sea-breeze circulation on the characteristics of convective thunderstorms over southeast India	Reddy B.R., Homi Bhabha National Institute, Mumbai, 400094, India; Srinivas C.V., Homi Bhabha National Institute, Mumb	Physical Sciences	Meteorology and Atmospheric Physics	2023	2	0177-7971	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142886749&doi=10.1007%2fs00703-022-00941-2&partnerID=40&md5=39b81ccb32bf76cbd71c0a4a305cca65
Failure Analysis of Large Stroke Welded Disk Bellows in Storage	Krovvidi S.C.S.P.K., Indira Gandhi Centre for Atomic Research, Kalpakkam, India; Das C.R., Indira Gandhi Centre for Atomic	Engineering Sciences	Journal of Failure Analysis and Prevention	2023	0	1547-7029	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144325459&doi=10.1007%2fs11668-022-01570-y&partnerID=40&md5=50c6a0334fd25c6ae125570f9547d5ec
Ionization-induced annealing of defects in 3C–SiC: Ion channeling and positron annihilation spectroscopy investigation	Sreelakshmi N., Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute (HBNI), Tamil Nadu, Kal	Physical Sciences	Journal of Materials Research	2023	3	0884-2914	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146192388&doi=10.1557%2fs43578-023-00894-1&partnerID=40&md5=ac8fa801bceedeb39c2aa0cc2de5129d
Presence of a Molecular Ligand alters the Solvent Behavior of an Ionic Liquid: A Combined Physicochemical Properties	Rout A., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, In	Chemical Sciences	ChemistrySelect	2023	3	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147279940&doi=10.1002%2fslct.202204389&partnerID=40&md5=0e7d9c7e4a4598b45ce66161e9cdf124
Magnetic and Isothermal Magnetic Entropy Change Behavior of EuS	Sathyanarayana A.T., Condensed Matter Physics Division, Material Science Group, Indira Gandhi Centre for Atomic Resear	Physical Sciences	Journal of Superconductivity and Novel Magnetism	2023	0	1557-1939	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156165644&doi=10.1007%2fs10948-023-06561-0&partnerID=40&md5=8a62d5e3b085ed81a9e60a1b3bbda77b
Effect of temperature and pressure on the reduction of U(VI) to U(IV) by hydrogen over Pt/SiO2: Reaction kinetics and	Reddy S.R., Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, I	Chemical Sciences	Chemical Engineering Research and Design	2023	0	0263-8762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152125997&doi=10.1016%2fj.cherd.2023.03.053&partnerID=40&md5=f0ff5f490483ed867ac87be68e58ff57
The fate of reverse micellar aggregation in irradiated diglycolamide in n-dodecane solution	Parvathy N., Reprocessing Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi Bhabha Nat	Chemical Sciences	New Journal of Chemistry	2023	3	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152640887&doi=10.1039%2fd3nj00239j&partnerID=40&md5=d7592d15f801fa5b6721de0fc958df94
Liquid-sodium compatibility of plasma-sprayed Titania-Stabilized Zirconia, Lanthanum Zirconate, and Yttrium Aluminu	Varghese P., Metallurgy & Materials Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, In	Chemical Sciences	Surface and Coatings Technology	2023	2	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148959096&doi=10.1016%2fj.surfcoat.2023.129353&partnerID=40&md5=fc7ef7bdf4d7845459dd3433f8755605
Highly Selective Room Temperature Detection of NH3and NOxUsing Oxygen-Deficient W18O49-Supported WS2Heter	Manoharan M., Advanced Materials and Devices Laboratory, Department of Nanoscience and Technology, Bharathiar Uni	Physical Sciences	ACS Applied Materials and Interfaces	2023	12	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146387832&doi=10.1021%2facsami.2c18732&partnerID=40&md5=b9485a0eed13de27290c621db75d083b
Antimicrobial property of polyvinyl alcohol films containing extracts of Lawsonia inermis and Tamarindus indica	Jayakumar S., SMART Materials Section, Materials Characterization Group, MMG, Indira Gandhi Centre for Atomic Resear	Physical Sciences	Journal of Polymer Research	2023	2	1022-9760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148488318&doi=10.1007%2fs10965-023-03485-0&partnerID=40&md5=03fe7e617c700f1d9cb4fc892b04d1f7
Effect of addition of Nb on phase stability of equiatomic CrFeMoV alloy	Saikumaran A., Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research, Kalpakkam, India; Mythili R., H	Engineering Sciences	Materials Chemistry and Physics	2023	3	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141922670&doi=10.1016%2fj.matchemphys.2022.127013&partnerID=40&md5=d870fa09a51d444fb1ee60d576563393
Characterization of the microstructure and mechanical properties of activated tungsten inert gas welded and hot-wire	Sunny K.T., Department of Mechanical Engineering, National Institute of Technology Tiruchirappalli, TN, India; Korra N.N.,	Engineering Sciences	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of M	2023	1	1464-4207	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135498007&doi=10.1177%2f14644207221118438&partnerID=40&md5=dd7aa87d92688606df1338ce66861a24
Anisotropy Corrected FMC/TFM Based Phased Array Ultrasonic Imaging in an Austenitic Buttering Layer	Ponseenivasan S., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha Nation	Engineering Sciences	Applied Sciences (Switzerland)	2023	1	2076-3417	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156123191&doi=10.3390%2fapp13085195&partnerID=40&md5=3d085cd052970313a5c781b2ca982c3e
The influence of N⋯π pnicogen bonding in π-stacked parallel displaced geometry of nitrobenzene dimers: Evidence u	Chandra S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Center for Atomic Research, Tamil Nadu, Kalpak	Chemical Sciences; Physical Sciences	Journal of Molecular Structure	2023	2	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147197357&doi=10.1016%2fj.molstruc.2023.135022&partnerID=40&md5=891dc213d23c486f0d90417d7202ef3b
Improvements in the Metallography of Ferritic–Martensitic Steels Through a Color Etching Procedure	Mandal M., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603012, India; Aashra	Engineering Sciences	Metallography, Microstructure, and Analysis	2023	3	2192-9262	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145182995&doi=10.1007%2fs13632-022-00916-0&partnerID=40&md5=e9c06b6380eb0127ba02b4da286c4988
Track detector based discriminative thoron measurement – An optimization study through experiments and modellin	Chitra N., Environmental Assessment Division, Indira Gandhi Center for Atomic Research, Tamilnadu, Kalpakkam, 603102,	Physical Sciences	Radiation Physics and Chemistry	2023	0	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145180738&doi=10.1016%2fj.radphyschem.2022.110755&partnerID=40&md5=58f731b9112b9aed307cbf581dcc6788
Studies on In-situ regeneration of cold trap of a Bench-Top sodium loop	Murugesan N., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, K	Chemical Sciences	Nuclear Engineering and Design	2023	0	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146300498&doi=10.1016%2fj.nucengdes.2023.112156&partnerID=40&md5=d92d129c22c010f1097ef07a58877ab7
Laser intensity mapping across a spatial light modulator to generate uniform and aberration-free focal spots	Gupta D.K., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, T	Physical Sciences	Optics Communications	2023	0	0030-4018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143857844&doi=10.1016%2fj.optcom.2022.129187&partnerID=40&md5=741600f56e68986e41cdd5e8abc60dfb
Corrosion behaviour of P-91 steel and type 316 LN stainless steel with and without a ceramic coating in the lead with	Priya R., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Res	Chemical Sciences	Journal of Nuclear Materials	2023	6	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143550774&doi=10.1016%2fj.jnucmat.2022.154181&partnerID=40&md5=a673234681569ac9db0205c957b7e183
Creep-fatigue interaction behavior of simulated microstructures and the actual weldment of P91 steel	Mariappan K., Mechanical Metallurgy Division, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102	Engineering Sciences	Materials Science and Engineering: A	2023	7	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146862756&doi=10.1016%2fj.msea.2023.144695&partnerID=40&md5=a09abd642a5d979cd001ee687174fd94
The Prominence of Facilitator π-Holes: The Classic N←N Pnictogen Bonding in Nitrobenzene-Ammonia Dimer with its	Chandra S., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpa	Chemical Sciences; Physical Sciences	Chemistry - A European Journal	2023	2	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149313964&doi=10.1002%2fchem.202203976&partnerID=40&md5=5aac3e8cadcc1a9d3c0f6e7c9ee757d7
Insitu electrochemical impedance spectroscopy of PT-7 M and Fe-Ni-Cr alloys in chloride containing ammonia medium	Subramanian V., Water and Steam Chemistry Division, Bhabha Atomic Research Centre Facilities, Tamilnadu, Kalpakkam, 6	Physical Sciences	Corrosion Science	2023	1	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145989886&doi=10.1016%2fj.corsci.2022.110941&partnerID=40&md5=abc3716b2eb867a52d1220af36e7ec6b
Collective stabilization through n →π* and P…π phosphorous bonding with cooperative halogen and hydrogen bondir	Suryaprasad B., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, K	Chemical Sciences; Physical Sciences	Journal of Molecular Structure	2023	1	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146661882&doi=10.1016%2fj.molstruc.2023.134916&partnerID=40&md5=4a0641e0968fce5eb3c8313a087672b2
An experimental investigation on the combined effect of plastic deformation and grain size variation on the acoustic n	Abraham S.T., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha National In	Physical Sciences	Review of Scientific Instruments	2023	1	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148772322&doi=10.1063%2f5.0136642&partnerID=40&md5=9c44ce5b2c825ed867c76750594479c2
Design and Performance Enhancement of Cobalt-Encapsulated Nitrogen-Doped Carbon Nanofiber Electrocatalyst thro	Parida S.K., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, IGCAR, Kalpakkam, 603102, In	Chemical Sciences; Physical Sciences	ACS Applied Nano Materials	2023	7	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147107332&doi=10.1021%2facsanm.2c04945&partnerID=40&md5=891ab66c2ee2626131a7e83f7c3fa7f0
Highly sensitive and wide range hydrogen sensor based on thin films of AgInO2 by pulsed laser deposition	Beatriceveena T.V., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam,	Chemical Sciences	Sensors and Actuators B: Chemical	2023	1	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149631784&doi=10.1016%2fj.snb.2023.133599&partnerID=40&md5=f1a20249d2998b2351b4c06f906fc3e6
A novel macroscopic computational methodology to predict the locations and orientation of solidification-cracks: App	Satbhai O., Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gujarat, G	Engineering Sciences; Physical Sciences	International Journal of Heat and Mass Transfer	2023	1	0017-9310	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147124234&doi=10.1016%2fj.ijheatmasstransfer.2022.123835&partnerID=40&md5=f2ef2e6dc75124a3b65e93f625356453
Performance evaluation of plasma nitrided 316L stainless steel during long term high temperature sodium exposure	Singh A., Metallurgy & Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Thirumurug	Engineering Sciences	Nuclear Engineering and Technology	2023	3	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151415706&doi=10.1016%2fj.net.2022.12.019&partnerID=40&md5=7b880fb969af69cf49d580e029c0d73b
Lead-Free Stable Wide-Band-Gap Double Perovskite with Absorption in the Visible Region	Saha P., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute, Tami	Physical Sciences	Journal of Electronic Materials	2023	4	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175855572&doi=10.1007%2fs11664-023-10262-8&partnerID=40&md5=c1bd14473888fbff41cbe04812b03b19
Spectroscopic determination of the role of vanadyl oxygen in room temperature NH3 sensing by V2O5 nanoparticles	Radhakrishnan R.P., Nanomaterials Characterization and Sensors Section, Surface and Nanoscience Division, Materials Sci	Physical Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2023	4	1386-1425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141910379&doi=10.1016%2fj.saa.2022.122092&partnerID=40&md5=ce98a947b2d4001959e88defc6ebaefa
Fast and selective reversed-phase high performance liquid chromatographic separation of UO22+ and Th4+ ions using	Kongasseri A., Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology (VIT), Tamil Nadu, V	Chemical Sciences	RSC Advances	2023	3	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147191878&doi=10.1039%2fd2ra07495h&partnerID=40&md5=5b829335c4311c7a77c0fcb8740f89af
Chromoionophore decorated renewable solid-state polymer monolithic naked eye sensor for the selective sensing an	Srinivasan P., Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology (VIT), Tamil Nadu, V	Chemical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2023	3	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140807069&doi=10.1016%2fj.colsurfa.2022.130377&partnerID=40&md5=8dd12aa51dc47e1c80f806e8947abda2
Wiped film evaporator with a roller wiper and an internally mounted condenser for the recovery of TBP and n-DD fro	Vishnu Anand P., Process, Radiochemistry and Reprocessing Research & Development Division, Indira Gandhi Centre for A	Chemical Sciences	Chemical Engineering Research and Design	2023	0	0263-8762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149423997&doi=10.1016%2fj.cherd.2023.02.027&partnerID=40&md5=0b9bdb8ccc181931bda063366acfec90
X-ray diffraction line profile analysis of defects in neutron-irradiated austenitic stainless steels at low displacement da	M. S., Post Irradiation Examination Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research,	Physical Sciences	Journal of Nuclear Materials	2023	3	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148538423&doi=10.1016%2fj.jnucmat.2023.154338&partnerID=40&md5=fa5a0da116bbd34c3afefbecd0a1d31b
Polarization resistance of Pt/YSZ and ITO/YSZ interfaces in multilayered Pt|YSZ|Pt and ITO|YSZ|ITO thin films	Ravindranath N.A., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre fo	Chemical Sciences; Physical Sciences	Surfaces and Interfaces	2023	3	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148942334&doi=10.1016%2fj.surfin.2023.102700&partnerID=40&md5=b61d5d1828cd9962810fd4ed63240bec
Interdependency between Electron Backscatter Diffraction-Based Misorientation Parameters and Coincidence Site La	Palaparti D.P.R., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India, Meta	Engineering Sciences	Journal of Materials Engineering and Performance	2023	1	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175167570&doi=10.1007%2fs11665-023-08862-w&partnerID=40&md5=cc66d04beb080e72afa454fa7af62ab3
Improvement of sensitization and intergranular corrosion of AISI type 304L stainless steel through thermo-mechanica	Shit G., CSTD, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102	Chemical Sciences	Corrosion Science	2023	6	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146897575&doi=10.1016%2fj.corsci.2023.110975&partnerID=40&md5=946895596bc87fd3bfd8f0c0ee91f3b5
A biosensor for monitoring of salt stress in plants	Sneha M., Materials Chemistry and Metal Fuel Cycle Group, IGCAR, Kalpakkam, Tamilnadu, 603102, India, Homi Bhabha N	Chemical Sciences	Organic Electronics	2023	3	1566-1199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143692336&doi=10.1016%2fj.orgel.2022.106698&partnerID=40&md5=ed4e9a5ae4a54e1401d5058681f83313
Fatigue Crack Growth Behavior of Nitrogen-Alloyed Low-Carbon Austenitic Stainless Steel at Room Temperature	Duraipandi R., Metallurgy and Materials Group, IGCAR, Kalpakkam, 603102, India, Homi Bhabha National Institue, Anusha	Engineering Sciences	JOM	2023	0	1047-4838	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143428369&doi=10.1007%2fs11837-022-05622-4&partnerID=40&md5=fd4b81a1cbd4290396d94f5cde56b23a
Solid solubility of uranium in Ca-phosphate glass and its impact on heat capacity and T g of the glass matrix	Jena H., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India, Materials Che	Chemical Sciences	Journal of Thermal Analysis and Calorimetry	2023	0	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146591517&doi=10.1007%2fs10973-023-11947-2&partnerID=40&md5=7873167b96bdb81cf04c749e1a51df0c
Calorimetric measurements on GdAl3 intermetallic compound	Nedumaran S., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 60	Chemical Sciences	Journal of Thermal Analysis and Calorimetry	2023	0	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149842874&doi=10.1007%2fs10973-022-11879-3&partnerID=40&md5=2683a3c4299fd8e9ae4cc0077e0e2439
Design of experiments for the optimization of U(VI) reduction with hydrogen over Pt/SiO2	Ramakrishna Reddy S., Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam	Chemical Sciences	Radiochimica Acta	2023	2	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144378155&doi=10.1515%2fract-2022-0049&partnerID=40&md5=1e2a706a7d310b172c51fa091e3730fd
Effect of europium on the structural and thermal properties of pristine iron phosphate glass	Vijay S.K., Metal Fuel and Pyroprocessing Division, Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre	Chemical Sciences	Journal of Thermal Analysis and Calorimetry	2023	1	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141452993&doi=10.1007%2fs10973-022-11749-y&partnerID=40&md5=688f5f0562becdf875cc11f4f5825589
Solving Inverse Problem in Magnetocardiography by Pattern Search Method	Swain P.P., Condensed Matter Physics Division, Materials Science Group, Indira Gandhi Centre for Atomic Research, Homi	Physical Sciences	IETE Journal of Research	2023	0	0377-2063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110720608&doi=10.1080%2f03772063.2021.1946436&partnerID=40&md5=358e0fe8f571996a831b0c6070089322
Effect of Nanoparticle-Incorporated Cementitious Coating on the Corrosion Resistance of Rebars in Chloride Medium	Sofia S., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Res	Physical Sciences	Journal of Materials Engineering and Performance	2023	0	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172918245&doi=10.1007%2fs11665-023-08739-y&partnerID=40&md5=0172d4b551c505d508c34838aaec2754
Development of marine activated algal-bacterial granule: A novel replacement to the conventional algal remediation	Uma V.S., Environmental Assessment Section, EAD/RESG/SQRMG, Indira Gandhi Centre for Atomic Research, Kalpakkam,	Physical Sciences	Algal Research	2023	2	2211-9264	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143882580&doi=10.1016%2fj.algal.2022.102914&partnerID=40&md5=25171d61a9ab709528be28124008ace3
A Study on the Scan Plans for Rapid Flaw Detection by Eddy Current Non-Destructive Evaluation	Soni A.K., ECE Department, School of Studies in Engineering & Technology, Guru Ghasidas Vishwavidyalaya, CG, Bilaspur, 4	Engineering Sciences	IETE Journal of Research	2023	0	0377-2063	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123870500&doi=10.1080%2f03772063.2021.2021822&partnerID=40&md5=4e18101dcf76f3f64f3b03f77eb1828b
Microstructural manifestation and kinetics of dynamic transformation in a W-modified 9%Cr steel	Mandal M., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, India; Aashranth B., M	Engineering Sciences	Materials Science and Technology (United Kingdom)	2023	0	0267-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144076044&doi=10.1080%2f02670836.2022.2151091&partnerID=40&md5=8cffee2cc032f7110c2a4949975ce6ae
Evaluation of leaching behaviour of Nd from Ca10-xNdx(PO4)F2, (x = 0–1.2) matrix and its borosilicate glass-bonded a	Lindsay S.A., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Sriram S.	Chemical Sciences	Chemical Papers	2023	1	0366-6352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138767584&doi=10.1007%2fs11696-022-02391-x&partnerID=40&md5=833211e86cd06c75f65935ba2c3c7fb8
Novel Ultraviolet and Ionizing Radiation Detectors Made From TiO Wide-Bandgap Semiconductor	Chetry P., Indian Institute of Technology Bombay, IITB-Monash Research Academy, Mumbai, Powai, 400076, India; George	Physical Sciences	IEEE Sensors Journal	2023	2	1530-437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144075194&doi=10.1109%2fJSEN.2022.3224809&partnerID=40&md5=934dc735a04bc9ffa54b1891ad3f5f76
Investigation of tris(2-methylbutyl) phosphate for U/Th separation from U-Th and U-Th-REE solutions by cross current	Subashree K., Homi Bhabha National Institute (HBNI), Indira Gandhi Centre for Atomic Research, Kalpakkam, India; Suresh	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	0	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159954151&doi=10.1080%2f01496395.2023.2212855&partnerID=40&md5=c3e7b663b9e618e1ff326b2d9fc81325

Effect of Internal Decay Power and Surface Cooling on Nuclear Fuel Droplet Solidification During MFCI in a SFR—A Nu	Kumar M.C., Indira Gandhi Centre for Atomic Research, Constituent Institution of Homi Bhabha National Institute, Kalpakk	Engineering Sciences; Physical Sciences	Nuclear Science and Engineering	2023	1	0029-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136971054&doi=10.1080%2f00295639.2022.2103338&partnerID=40&md5=78a2dd243f77cf29f7383fb015665898
Insights into the stability of retained austenite during wear	Neog S.P., Metallurgical and Materials Engineering Department, Indian Institute of Technology Roorkee, Roorkee, India, M	Physical Sciences	Philosophical Magazine	2023	3	1478-6435	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149134307&doi=10.1080%2f14786435.2022.2139421&partnerID=40&md5=8bf7a4b20852c08f4f56d1b86f625789
Analysis of continuous casting system for casting U-6%wt Zr slug	Rawat M., Chemical Facilities Engineering Division, Materials Chemistry and Metal Fuel Recycle Group, IGCAR Kalpakkam,	Engineering Sciences	Materials Today: Proceedings	2023	0	2214-7853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150791264&doi=10.1016%2fj.matpr.2023.02.452&partnerID=40&md5=337fdb8e5f894a8fa48bb445f6b78fcb
Numerical Simulation of Subcooled Flow Boiling in a Vertical Annulus Channel Under Near Atmospheric Pressure Cond	Tom S., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Mangarjuna R	Engineering Sciences	Nuclear Science and Engineering	2023	2	0029-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144182357&doi=10.1080%2f00295639.2022.2133948&partnerID=40&md5=63167d958269c12cb92a8535c93f12b2
Spatiotemporal Evaluation of Bubble Characteristics in Sodium Using Real-Time X-Ray Imaging	Acharya A.K., Indira Gandhi Centre for Atomic Research, a Constituent Institution of Homi Bhabha National Institute, Kalpa	Chemical Sciences	Nuclear Technology	2023	1	0029-5450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159102675&doi=10.1080%2f00295450.2023.2199079&partnerID=40&md5=7c9afea2907ac5e26dcb6225e27a8dc5
Evaluation of strength in stainless steel weld joints using ball indentation technique	Pavan A.R., Materials Development and Technology Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, India, H	Engineering Sciences	Materials Science and Technology (United Kingdom)	2023	2	0267-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149283322&doi=10.1080%2f02670836.2023.2180892&partnerID=40&md5=f7bf2dc20d33b6511b6318562540337a
Effect of Surface Preparation on the Air Oxidation Behaviour of Modified 9Cr–1Mo Steel	Jagadeeswara Rao C., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre f	Chemical Sciences	Transactions of the Indian Institute of Metals	2023	0	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136526709&doi=10.1007%2fs12666-022-02727-x&partnerID=40&md5=dcb1e43007e4f3a61dd5b5762d63323c
Structural behavior of CoB under extreme conditions and its high incompressibility	Anand Kumar P., High Pressure Studies Section, Condensed Matter Physics Division, Materials Science Group, Indira Gand	Physical Sciences	Journal of Solid State Chemistry	2023	2	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141751984&doi=10.1016%2fj.jssc.2022.123702&partnerID=40&md5=2e5febd76f407b75a7973024d8a866f1
Size effects on dislocation starvation in Cu nanopillars: a molecular dynamic simulations study	Sainath G., Mechanical Metallurgy Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Ka	Engineering Sciences; Physical Sciences	Molecular Simulation	2023	0	0892-7022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173976125&doi=10.1080%2f08927022.2023.2262045&partnerID=40&md5=a9cbe4a2de1fc3ac745311b669a2b2b4
PANI and PPy-Based Biosensing of Salt Stress in Plants: An Electrochemical Approach	Sneha M., Materials Chemistry and Metal Fuel Cycle Group, IGCAR, Tamilnadu, Kalpakkam, 603102, India, Homi Bhabha N	Chemical Sciences	Journal of the Electrochemical Society	2023	0	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168496717&doi=10.1149%2f1945-7111%2faced6d&partnerID=40&md5=d27df9ecb05c88e934a74b302d599c43
Adsorption kinetics and equilibrium performance of Di-n-butyl phosphate on XAD-4 and XAD-7 from alkaline medium	Murali R., Process Radiochemistry Reprocessing Research and Development Division, Reprocessing Group, Indira Gandhi (	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	0	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165912080&doi=10.1080%2f01496395.2023.2240495&partnerID=40&md5=2e34afe71d782d7f24bab8644ff0254e
A Fan-Controlled Sodium-to-Air Heat Exchanger Configuration for Failsafe Decay Heat Removal in Sodium-Cooled Fast	Arul A.J., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha National Institut	Engineering Sciences	Nuclear Technology	2023	1	0029-5450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149416884&doi=10.1080%2f00295450.2023.2175584&partnerID=40&md5=9cfa6d79ce8c31569113e30e37b61195
Mechanistic assessment of aerosol transport in an SFR cover gas space under operating condition	Patel P.R., Homi Bhabha National Institute, Training School Complex, Mumbai, India, Nuclear System Design Group, Indira	Engineering Sciences	Aerosol Science and Technology	2023	0	0278-6826	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165435730&doi=10.1080%2f02786826.2023.2232428&partnerID=40&md5=f212a44fa64baf20770581c1863968f2
Quantification of Shear Strain Development in the Through-Thickness Direction During Sliding Wear	Neog S.P., Indian Institute of Technology Roorkee, Roorkee, 247667, India, Indian Institute of Technology Bombay, Powai,	Physical Sciences	Metallurgical and Materials Transactions A: Physical Metallurgy and Mate	2023	2	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142644028&doi=10.1007%2fs11661-022-06901-0&partnerID=40&md5=a8507bd8977498bd372dda2c11cfe960
Comparison of Cyclic Irradiation Behavior of Tri-Butyl Phosphate / Tri-Iso-Amyl Phosphate-Dodecane System in Nitric	Mishra S., Reprocessing Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, India; Desigan N., Reprocessing Gro	Chemical Sciences	Solvent Extraction and Ion Exchange	2023	2	0736-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152373660&doi=10.1080%2f07366299.2023.2193592&partnerID=40&md5=1be61cd22c69fb71ce1da23e97fc060d
Studies on synthesis, structural and thermal properties of sodium niobium phosphate glasses for nuclear waste immo	Senapati A., Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, India, Homi Bhabha National Insti	Chemical Sciences	Journal of Thermal Analysis and Calorimetry	2023	7	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142399540&doi=10.1007%2fs10973-022-11760-3&partnerID=40&md5=a07f9725541a2b02070b632d8b1ffeb7
Development of a three-stage, cross-current air sparged mixer-settler for the purification of degraded PUREX solvent	Anand P V.; Mishra S.; Patra C.; Gnanasoundari J., Process Radiochemistry and Reprocessing Research & Development Div	Chemical Sciences	Separation Science and Technology (Philadelphia)	2023	1	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150909902&doi=10.1080%2f01496395.2023.2189542&partnerID=40&md5=3e10efea773c5b6accf597891981c95f
Influence of Heat Treatment Condition on Tensile Properties of AM350 Stainless Steel	Kumar Krovvidi S.C.S.P., Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Das C.R., Indira Gandhi Cent	Engineering Sciences	Transactions of the Indian Institute of Metals	2023	1	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136838757&doi=10.1007%2fs12666-022-02726-y&partnerID=40&md5=cf8039aefd54f634439f9637c85f7f24
Importance of high-frequency bands for removal of thermal dust in ECHO	Sen A., School of Physics, Indian Institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, (	Physical Sciences	Physical Review D	2023	0	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178252185&doi=10.1103%2fPhysRevD.108.083529&partnerID=40&md5=e724c9a7ea209d96d6a90c16d7aea61b
Controlled mechanical failure in glasses via designed spatial inhomogeneity	Vaibhav V., The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600113, India, Homi Bhabha National	Physical Sciences	Physical Review Materials	2023	0	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173010638&doi=10.1103%2fPhysRevMaterials.7.095601&partnerID=40&md5=a14f2aaf13213959261fcfbaab499efc
Rate enhancement of gated drift-diffusion process by optimal resetting	Biswas A., The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600113, India, Homi Bhabha National I	Physical Sciences	Journal of Chemical Physics	2023	4	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166595620&doi=10.1063%2f5.0154210&partnerID=40&md5=bf36da864d42728988fb478e076dc8e1
In silico identification of potential inhibitors of vital monkeypox virus proteins from FDA approved drugs	Sahoo A.K., The Institute of Mathematical Sciences (IMSc), Chennai, 600113, India, Homi Bhabha National Institute (HBNI)	Life Sciences	Molecular Diversity	2023	22	1381-1991	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141400941&doi=10.1007%2fs11030-022-10550-1&partnerID=40&md5=40c561bdc4a8fd2552aa2e9f0178d216
Athermal quasistatic cavitation in amorphous solids: Effect of random pinning	Dattani U.A., The Institute of Mathematical Sciences, C.I.T. Campus, Taramani, Chennai, 600113, India, Homi Bhabha Natio	Physical Sciences	Journal of Chemical Physics	2023	0	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178213814&doi=10.1063%2f5.0171905&partnerID=40&md5=02b819f26d39baf1e6e67957edfaa4b9
Phosphorylation of CFP10 modulates Mycobacterium tuberculosis virulence	Malakar B., National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi, India; Chauhan K., International Centre for	Life Sciences	mBio	2023	1	2161-2129	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176775744&doi=10.1128%2fmbio.01232-23&partnerID=40&md5=075e308565e286d921017ffb7a44ce97
Noise analysis of the Indian Pulsar Timing Array data release i	Srivastava A., Department of Physics, IIT Hyderabad, Telangana, Kandi, 502284, India; Desai S., Department of Physics, IIT	Physical Sciences	Physical Review D	2023	3	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164938432&doi=10.1103%2fPhysRevD.108.023008&partnerID=40&md5=4f9b8cc4f2db62a187a1703187d126bd
First-passage functionals for Ornstein-Uhlenbeck process with stochastic resetting	Dubey A., The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600113, India, Homi Bhabha National I	Physical Sciences	Journal of Physics A: Mathematical and Theoretical	2023	5	1751-8113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176575689&doi=10.1088%2f1751-8121%2facf748&partnerID=40&md5=336d42a8cb3a3cc3a552e584cc2a6eb0
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Resummed next-to-soft corrections to rapidity distribution of Higgs boson to NNLO+ NNLL ¯	Ravindran V., The Institute of Mathematical Sciences, HBNI, Taramani, Chennai, 600113, India; Sankar A., The Institute of	Physical Sciences	Physical Review D	2023	3	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164920913&doi=10.1103%2fPhysRevD.108.014012&partnerID=40&md5=c284ffb82bfcbe8816159ba971ff8e63
Transcription factors organize into functional groups on the linear genome and in 3D chromatin	Vadnala R.N., The Institute of Mathematical Sciences, Chennai, India, Homi Bhabha National Institute, Mumbai, India; Har	Life Sciences	Heliyon	2023	3	2405-8440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166302085&doi=10.1016%2fj.heliyon.2023.e18211&partnerID=40&md5=44b56e7f1db1b446f7f224655bc70ce1
Quantum walk-based protocol for secure communication between any two directly connected nodes on a network	Chawla P., The Institute of Mathematical Sciences, C.I.T. Campus, Taramani, Chennai, 600113, India, Homi Bhabha Nationa	Physical Sciences	Physica Scripta	2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174846297&doi=10.1088%2f1402-4896%2facfad0&partnerID=40&md5=79b563be0a138d3d78ce69bc94e1bbe9
Lattice models for ballistic aggregation: Cluster-shape-dependent exponents	Puthalath F., Institut für Materialphysik im Weltraum, Deutsches Zentrum für Luft- und Raumfahrt (DLR), Köln, 51170, Ger	Physical Sciences	Physical Review E	2023	0	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174550391&doi=10.1103%2fPhysRevE.108.044127&partnerID=40&md5=a2515d9b36af0aaf6fa7199f8ef22116
Competition between fractional quantum Hall liquid and electron solid phases in the Landau levels of multilayer grapl	Dora R.K., Institute of Mathematical Sciences, CIT Campus, Chennai, 600113, India, Homi Bhabha National Institute, Traini	Physical Sciences	Physical Review B	2023	2	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180343989&doi=10.1103%2fPhysRevB.108.235153&partnerID=40&md5=ebb8bef1024428f9e8ef2f0b7fd6dbfc
Quantum illumination using polarization-path entangled single photons for low reflectivity object detection in a noisy	Muhammed Shafi K., Quantum Optics & Quantum Information, Department of Instrumentation and Applied Physics, India	Physical Sciences	Optics Express	2023	1	1094-4087	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171888499&doi=10.1364%2fOE.496776&partnerID=40&md5=0016e70db1bc8b9c70a4451608428726
The conformational phase diagram of charged polymers in the presence of attractive bridging crowders	Tripathi K., The Institute of Mathematical Sciences, C.I.T. Campus, Taramani, Chennai, 600113, India, Homi Bhabha Nation	Physical Sciences	Journal of Chemical Physics	2023	2	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178040685&doi=10.1063%2f5.0172696&partnerID=40&md5=d39e06de0d11a286dd3259ee450dfdcb
Cheminformatics Analysis of the Multitarget Structure-Activity Landscape of Environmental Chemicals Binding to Hum	Baskaran S.P., The Institute of Mathematical Sciences (IMSc), Chennai, 600113, India, Homi Bhabha National Institute (HBI	Life Sciences	ACS Omega	2023	1	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181094106&doi=10.1021%2facsomega.3c07920&partnerID=40&md5=117a4f6410f87d8ef1f2ab78f7cc99e6
Sl2 ^ symmetry of R1,3 gravity	Gupta N., Institute of Mathematical Sciences, Taramani, Chennai, 600 113, India, Homi Bhabha National Institute, Anushal	Physical Sciences	Physical Review D	2023	2	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177806134&doi=10.1103%2fPhysRevD.108.086029&partnerID=40&md5=078ed774e2891ed29e7065d3165b3960
KMS states on	Arjunan A., Indian Statistical Institute, Delhi Centre, New Delhi, 110016, India; Sruthymurali, Indian Statistical Institute, Ba	Mathematical Sciences	Glasgow Mathematical Journal	2023	0	0017-0895	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175339202&doi=10.1017%2fS0017089523000071&partnerID=40&md5=a8de319d98593d2c8fb2742a83a3c9c8
A study of the light bending phenomenon under full general relativity for a pulsar in a binary with a Schwarzschild bla	Debnath J., The Institute of Mathematical Sciences, C. I. T. campus, Taramani, Chennai, 600113, India, Homi Bhabha Natio	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2023	0	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168758223&doi=10.1093%2fmnras%2fstad2147&partnerID=40&md5=b105d76c9155abdb3ccdb8ab354e3cc6
Simulation analysis with rock muons from atmospheric neutrino interactions in the ICAL detector at the India-based N	Kanishka R., Department of Physics, Chandigarh University, Gharuan, Mohali, 140413, India; Indumathi D., The Institute of	Physical Sciences	European Physical Journal C	2023	0	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178249223&doi=10.1140%2fepjc%2fs10052-023-12133-2&partnerID=40&md5=a22ceb9ef55cdfbccc63e38e570e7bf4
Multi-bit quantum random number generator from path-entangled single photons	Shafi K.M., Quantum Optics & Quantum Information, Department of Instrumentation and Applied Physics, Indian Institute	Physical Sciences	EPJ Quantum Technology	2023	2	2196-0763	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174177061&doi=10.1140%2fepjqt%2fs40507-023-00200-2&partnerID=40&md5=b230d2308f6d20a68bf7bcb5bf73582a
The second data release from the European Pulsar Timing Array: III. Search for gravitational wave signals Chen	Antoniadis J., Institute of Astrophysics, Forth, N. Plastira 100, Heraklion, 70013, Greece, Max-Planck-Institut für Radioastro	Physical Sciences	Astronomy and Astrophysics	2023	286	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178317458&doi=10.1051%2f0004-6361%2f202346844&partnerID=40&md5=dd8b27c616232b1b4fedfc77ec030dae
Chiral run-and-tumble walker: Transport and optimizing search	Mallikarjun R., The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600113, India, Homi Bhabha Natio	Physical Sciences	Physica A: Statistical Mechanics and its Applications	2023	3	0378-4371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160320074&doi=10.1016%2fj.physa.2023.128821&partnerID=40&md5=fe320ecfdfe38b16dc5f5c6280bfe12e
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Prediction of postpartum prediabetes by machine learning methods in women with gestational diabetes mellitus	Parkhi D., Populations, Evidence, and Technologies, Division of Health Sciences, University of Warwick, Coventry, United K	Life Sciences	iScience	2023	1	2589-0042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172018781&doi=10.1016%2fj.isci.2023.107846&partnerID=40&md5=8bc796627505bdc3897310825d6d3e09
A first passage under resetting approach to income dynamics	Jolakoski P., Macedonian Academy of Sciences and Arts, Skopje, 1000, North Macedonia, Brainster Next College, Skopje, 1	Physical Sciences	Chaos, Solitons and Fractals	2023	4	0960-0779	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168136670&doi=10.1016%2fj.chaos.2023.113921&partnerID=40&md5=87f0c81c0be7d016a1800096c8d98ad8
Phase transitions in systems of particles with only hard-core interactions	Dhar D., Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pashan, Pune, 411008, India; Rajesh R	Physical Sciences	EPL	2023	0	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173227667&doi=10.1209%2f0295-5075%2facf6dc&partnerID=40&md5=8804d762ba41af231faca45e40ea415e
Impact of errors in the magnetic field measurement on the precision determination of neutrino oscillation parameters	Khindri H., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, India, The Institute of Mathematical Sciences, CIT C	Physical Sciences	Journal of Instrumentation	2023	0	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180997623&doi=10.1088%2f1748-0221%2f18%2f12%2fP12009&partnerID=40&md5=27bdff67666354816cfe645c920c5e34
Discovery and Timing of Millisecond Pulsars with the Arecibo 327 MHz Drift-scan Survey	Lewis E.F., West Virginia University, Department of Physics and Astronomy, P.O. Box 6315, Morgantown, 26506, WV, Unit	Physical Sciences	Astrophysical Journal	2023	0	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175621357&doi=10.3847%2f1538-4357%2facf99d&partnerID=40&md5=ff0abbaebea2e8037e5ac63de975af58
Analysis of structure-activity and structure-mechanism relationships among thyroid stimulating hormone receptor bin	Sahoo A.K., The Institute of Mathematical Sciences (IMSc), Chennai, 600113, India, Homi Bhabha National Institute (HBNI)	Life Sciences	RSC Advances	2023	2	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170580340&doi=10.1039%2fd3ra04452a&partnerID=40&md5=8e6d66bbef72354d98d8269ec5d13f2a
Multi-qubit quantum computing using discrete-time quantum walks on closed graphs	Chawla P., The Institute of Mathematical Sciences, C. I. T. Campus, Taramani, Chennai, 600113, India, Homi Bhabha Nation	Physical Sciences	Scientific Reports	2023	2	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165924688&doi=10.1038%2fs41598-023-39061-1&partnerID=40&md5=b76bcf719aa8ee7f40e1e2643431cc77
The second data release from the European Pulsar Timing Array: II. Customised pulsar noise models for spatially corre	Antoniadis J., Institute of Astrophysics, Forth, N. Plastira 100, Heraklion, 70013, Greece, Max-Planck-Institut für Radioastro	Physical Sciences	Astronomy and Astrophysics	2023	30	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174488423&doi=10.1051%2f0004-6361%2f202346842&partnerID=40&md5=e5735e0972dcf4467dbe10924b612538
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On the optimality of pseudo-polynomial algorithms for integer programming	Fomin F.V., Department of Informatics, University of Bergen, Bergen, Norway; Panolan F., Department of Computer Scienc	Mathematical Sciences	Mathematical Programming	2023	2	0025-5610	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124764583&doi=10.1007%2fs10107-022-01783-x&partnerID=40&md5=9c7c1c02086d216a4085343ff30bfc86
Effective theory for baryogenesis with a Majorana fermion pair coupled to quarks	Gopalakrishna S., Institute of Mathematical Sciences (IMSc), Chennai, 600113, India, Homi Bhabha National Institute (HBN	Physical Sciences	Physical Review D	2023	0	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163871256&doi=10.1103%2fPhysRevD.107.115029&partnerID=40&md5=ac0918dbd3b6190254172054a918696e
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Precision of morphogen-driven tissue patterning during development is enhanced through contact-mediated cellular	Kuyyamudi C., Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600113, India, Homi Bhabha National I	Physical Sciences	Physical Review E	2023	0	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148330229&doi=10.1103%2fPhysRevE.107.024407&partnerID=40&md5=12eb36d996095c286c4f78176fe1bedc
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Universal Framework for Record Ages under Restart	Kumar A., Department of Physics, Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pune, 41100	Physical Sciences	Physical Review Letters	2023	12	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152964460&doi=10.1103%2fPhysRevLett.130.157101&partnerID=40&md5=d1d3bfd21fbefd7ff0c64c66175b26cd
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Biosensor-integrated transposon mutagenesis reveals rv0158 as a coordinator of redox homeostasis in Mycobacteriun	Shee S., Department of Microbiology and Cell Biology, Indian Institute of Science Bangalore, Bangalore, India, Centre for In	Life Sciences	eLife	2023	1	2050-084X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171309947&doi=10.7554%2feLife.80218&partnerID=40&md5=b08656e3f1a7306f3aff805e4ae9ff52
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Transport of synaptic vesicles is modulated by vesicular reversals and stationary cargo clusters	Vasudevan A., Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mu	Life Sciences	Journal of Cell Science	2023	2	0021-9533	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163921809&doi=10.1242%2fjcs.261223&partnerID=40&md5=3261537f839494bde95ed5d4489a4655
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Measurements of azimuthal anisotropies at forward and backward rapidity with muons in high-multiplicity p–Pb collis	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	3	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172706094&doi=10.1016%2fj.physletb.2023.137782&partnerID=40&md5=02398e9e595c62ec4ca4e4f9f0665d59
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Measurement of non-prompt D -meson elliptic flow in Pb–Pb collisions at √sNN=5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	European Physical Journal C	2023	2	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179956059&doi=10.1140%2fepjc%2fs10052-023-12259-3&partnerID=40&md5=fed5cd06d532441173f562b85d041033
Measurement of the production of (anti)nuclei in p–Pb collisions at sNN=8.16TeV	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear Physics	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	4	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172669269&doi=10.1016%2fj.physletb.2023.137795&partnerID=40&md5=0c59d7a02f930ba30b03482254078da8
First measurement of prompt and non-prompt D∗+ vector meson spin alignment in pp collisions at s=13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173191408&doi=10.1016%2fj.physletb.2023.137920&partnerID=40&md5=badbae0c3d271e4e39c29dc4106b99a1
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Accessing the strong interaction between Λ baryons and charged kaons with the femtoscopy technique at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	10	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172696993&doi=10.1016%2fj.physletb.2023.138145&partnerID=40&md5=01001619c0dcf484b3dfa8f6644ba44f
Multiplicity dependence of charged-particle production in pp, p–Pb, Xe–Xe and Pb–Pb collisions at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	8	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169815734&doi=10.1016%2fj.physletb.2023.138110&partnerID=40&md5=07ea60f61e7427defeed770bdcca9fc5
Present and future constraints on flavor-dependent long-range interactions of high-energy astrophysical neutrinos	Agarwalla S.K., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Homi Bhabha Natio	Physical Sciences	Journal of High Energy Physics	2023	0	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168520259&doi=10.1007%2fJHEP08%282023%29113&partnerID=40&md5=6ab0fd1afcdf51c7a843b4ce28f6b132
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Measurement of beauty-strange meson production in Pb–Pb collisions at sNN=5.02TeV via non-prompt Ds+ mesons	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173992536&doi=10.1016%2fj.physletb.2022.137561&partnerID=40&md5=7fe84a26b7cc50a2bcf30e7068b31ae9
Exclusive and dissociative J/ψ photoproduction, and exclusive dimuon production, in p-Pb collisions at sNN =8.16 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review D	2023	0	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181693270&doi=10.1103%2fPhysRevD.108.112004&partnerID=40&md5=bf5e0ee25ab6481ae6731846c4e6cdc0
Investigating the effect of H+-ion irradiation on layered α-MoO3 flakes by defect engineering	Kumar R., Department of Physics, Quantum Centre of Excellence for Diamond and Emergent Materials (QuCenDiEM), Nan	Physical Sciences	Applied Physics Letters	2023	1	0003-6951	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174304865&doi=10.1063%2f5.0166452&partnerID=40&md5=7b294153e734491a53dea4a3280d0dec
Search for Correlations of High-energy Neutrinos Detected in IceCube with Radio-bright AGN and Gamma-Ray Emissio	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deutsches	Physical Sciences	Astrophysical Journal	2023	14	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172790325&doi=10.3847%2f1538-4357%2facdfcb&partnerID=40&md5=d0c91fbc74cb610da0a346493439b72f
Investigation of Defect-Driven Memristive and Artificial Synaptic Behaviour at Nanoscale for Potential Application in N	Mandal R., SUNAG Laboratory, Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751 005, India, Homi Bhabha Nationa	Physical Sciences	Proceedings of the National Academy of Sciences India Section A - Physica	2023	0	0369-8203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162966908&doi=10.1007%2fs40010-023-00829-9&partnerID=40&md5=67a748c84446c02e27f7a6741fcd43bc
Thermoremanent magnetization and Raman study in weak ferromagnet FeBO3	Pattanayak N., Department of Physics, NIST Institute of Science and Technology, Berhampur, 761008, India, Department o	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	1	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175347583&doi=10.1016%2fj.jmmm.2023.171453&partnerID=40&md5=999392d27d252eae370b4c35f439d958
Flavor-dependent long-range neutrino interactions in DUNE & T2HK: alone they constrain, together they discover	Singh M., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Department of Physics, U	Physical Sciences	Journal of High Energy Physics	2023	1	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168465777&doi=10.1007%2fJHEP08%282023%29101&partnerID=40&md5=aece96f49ad4bd4349d8263271643306
Observation of seasonal variations of the flux of high-energy atmospheric neutrinos with IceCube	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deutsches	Physical Sciences	European Physical Journal C	2023	5	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169691648&doi=10.1140%2fepjc%2fs10052-023-11679-5&partnerID=40&md5=b3c4da0aa9ab2fc78189c2d3fcaec09c
Photoproduction of low-pT J/ψ from peripheral to central Pb–Pb collisions at 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	6	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173014619&doi=10.1016%2fj.physletb.2022.137467&partnerID=40&md5=6691ffd3eb75b7123f5b78a52cb85669
Spontaneous Hall effect in the magnetic Weyl semimetallic Eu2Ir2O7 (111) thin films	Ghosh M., Department of Physics, Indian Institute of Science, Karnataka, Bangalore, 560012, India; Samal D., Institute of P	Physical Sciences	Applied Physics Letters	2023	0	0003-6951	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177815097&doi=10.1063%2f5.0172127&partnerID=40&md5=db081efe0b1c8fbcec0e57fa756ff219
Thermally Driven Multilevel Non-Volatile Memory with Monolayer MoS2 for Brain-Inspired Artificial Learning	Mallik S.K., Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha Nat	Physical Sciences	ACS Applied Materials and Interfaces	2023	15	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166442626&doi=10.1021%2facsami.3c06336&partnerID=40&md5=cff0c87773b7e973f51feaa4626348c6
Inclusive and multiplicity dependent production of electrons from heavy-flavour hadron decays in pp and p-Pb collisio	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167613143&doi=10.1007%2fJHEP08%282023%29006&partnerID=40&md5=8d00799179e2f8d8a138b53c43fbc3dc
Azimuthal correlations of heavy-flavor hadron decay electrons with charged particles in pp and p–Pb collisions at √sN	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	European Physical Journal C	2023	2	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169140593&doi=10.1140%2fepjc%2fs10052-023-11835-x&partnerID=40&md5=89bead9a05fd1ebe20c25d861068f99b
System-size dependence of the charged-particle pseudorapidity density at sNN=5.02TeV for pp, p–Pb, and Pb–Pb colli	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	3	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172692647&doi=10.1016%2fj.physletb.2023.137730&partnerID=40&md5=692c680ff72c89efff7c24c84040f66c
Measurement of the non-prompt D-meson fraction as a function of multiplicity in proton-proton collisions at √s = 13	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	0	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175832394&doi=10.1007%2fJHEP10%282023%29092&partnerID=40&md5=c6d96926e28f960be25de2d2432f0a5d
High entropy alloying strategy for accomplishing quintuple-nanoparticles grafted carbon towards exceptional high-pe	Raj G., Materials Research Centre, Indian Institute of Science, Karnataka, Bangalore, 560012, India; Nandan R., Materials R	Physical Sciences	Materials Horizons	2023	8	2051-6347	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171184057&doi=10.1039%2fd3mh00453h&partnerID=40&md5=f3c7e3671956948db1820921b22f7231
f0(980) production in inelastic pp collisions at s = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	3	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173068301&doi=10.1016%2fj.physletb.2022.137644&partnerID=40&md5=22b477db618586e470dc84688ddb0a9d
Type-II see-saw at μ+ μ– collider	Maharathy S.P., Institute of Physics, Bhubaneswar, Sachivalaya Marg, Sainik School, Bhubaneswar, 751005, India, Homi Bh	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	0	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169882338&doi=10.1016%2fj.physletb.2023.138105&partnerID=40&md5=d5611ce5e87b10921c2fb2cd6d5826ff
Engineering anomalous Floquet Majorana modes and their time evolution in a helical Shiba chain	Mondal D., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Training S	Chemical Sciences; Physical Sciences	Physical Review B	2023	3	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168004659&doi=10.1103%2fPhysRevB.108.L081403&partnerID=40&md5=50e4b7f3943b240956c542dcc43599f9
Closing in on critical net-baryon fluctuations at LHC energies: Cumulants up to third order in Pb–Pb collisions	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	4	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167424594&doi=10.1016%2fj.physletb.2022.137545&partnerID=40&md5=d60dafb69d11e10c59a8ffe80ebb02da
Tuning of magnetic frustration and emergence of a magnetostructural transition in Mn1-xCdxCr2 O4	Das A., Department of Physics, Indian Institute of Technology, West Bengal, Kharagpur, 721302, India; Ranaut D., School o	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169299445&doi=10.1103%2fPhysRevB.108.064426&partnerID=40&md5=31bb26062725307cf0133107a4f4a4ff
Dual-Polarity Switching in Self-Powered Ag/MoS2/Ag Photodetectors	Augustine P., Materials Research Centre, Indian Institute of Science, Bangalore, 560012, India, Materials Research Laborat	Physical Sciences	ACS Applied Optical Materials	2023	1	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186072358&doi=10.1021%2facsaom.3c00181&partnerID=40&md5=f3edceaf0559b7ec24ea1aff6e03e73a
Surface and decay properties of newly synthesized 207,208Th isotopes for various α-decay chains	Pattnaik J.A., Department of Physics, Siksha 'O' Anusandhan, Deemed to be University, Bhubaneswar, 751030, India; Pand	Physical Sciences	Nuclear Physics A	2023	0	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165971039&doi=10.1016%2fj.nuclphysa.2023.122722&partnerID=40&md5=805e929127cff95360b1474b8d4ab3c5
Evaluation of planar silicon pixel sensors with the RD53A readout chip for the Phase-2 Upgrade of the CMS Inner Tracl	Adam W., Institut für Hochenergiephysik, Wien, Austria; Bergauer T., Institut für Hochenergiephysik, Wien, Austria; Dama	Applied Systems Analysis; Chemical Scie	Journal of Instrumentation	2023	1	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181741125&doi=10.1088%2f1748-0221%2f18%2f11%2fP11015&partnerID=40&md5=c1759ed3346b11e6615cac85a8706423
Enhancing sensitivity to leptonic CP violation using complementarity among DUNE, T2HK, and T2HKK	Agarwalla S.K., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Homi Bhabha Natio	Physical Sciences	European Physical Journal C	2023	3	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167510558&doi=10.1140%2fepjc%2fs10052-023-11863-7&partnerID=40&md5=ba15d45fab417b10abb41c99e2fa17b6
Measurement of inclusive J/ψ pair production cross section in pp collisions at s =13 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review C	2023	2	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175445348&doi=10.1103%2fPhysRevC.108.045203&partnerID=40&md5=55399051a853a244155945e9a01907f2
Data-driven precision determination of the material budget in ALICE	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of Instrumentation	2023	1	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182511079&doi=10.1088%2f1748-0221%2f18%2f11%2fP11032&partnerID=40&md5=62d93f9e0c7d6fccd8156a851ccdf275
Pseudorapidity densities of charged particles with transverse momentum thresholds in pp collisions at s =5.02 and 13	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, Lpc, Clermont-Ferrand, France; Adamová D., Nuclear Physics Insti	Physical Sciences	Physical Review D	2023	0	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178219318&doi=10.1103%2fPhysRevD.108.072008&partnerID=40&md5=944dc9549b46f5695171c9fe99910aaa

Higher-order correlations between different moments of two flow amplitudes in Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, Lpc, Clermont-Ferrand, France; Adamová D., Nuclear Physics Insti	Physical Sciences	Physical Review C	2023	1	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179108622&doi=10.1103%2fPhysRevC.108.055203&partnerID=40&md5=3cd2b4923b624cf5afaa880c7521d573
Structure and reaction studies of Z= 120 isotopes using non-relativistic and relativistic mean-field formalisms	Pattnaik J.A., Department of Physics, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, 751 030, India; Naik	Physical Sciences	Pramana - Journal of Physics	2023	0	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168995516&doi=10.1007%2fs12043-023-02619-9&partnerID=40&md5=145f99e6f0fa085617d9867d2058847a
Measurement of electrons from beauty-hadron decays in pp and Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review C	2023	1	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172763913&doi=10.1103%2fPhysRevC.108.034906&partnerID=40&md5=ed19904f8804d15b47151ef9b176b129
Probing the chiral magnetic wave with charge-dependent flow measurements in Pb-Pb collisions at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192838180&doi=10.1007%2fJHEP12%282023%29067&partnerID=40&md5=4fed5664dc062ad067bdd3791402398d
Search for neutrino lines from dark matter annihilation and decay with IceCube	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deutsches	Physical Sciences	Physical Review D	2023	8	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180234159&doi=10.1103%2fPhysRevD.108.102004&partnerID=40&md5=71e2db86f87bbd7baf11949e6c1b6b9c
Crystal structure and magnetic properties of the spin- 12 frustrated two-leg ladder compounds (C4 H14 N2) Cu2X6 (X=	Biswal P., Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anushaktinagar, Mumbai, 40	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177616531&doi=10.1103%2fPhysRevB.108.134420&partnerID=40&md5=dd45e727b93cfd9c3ed92cd5d8f682cc
Measurement of the Λ hyperon lifetime	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review D	2023	1	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168848895&doi=10.1103%2fPhysRevD.108.032009&partnerID=40&md5=4ab15171f166ac1d50eea939d728580e
Influence of dark matter on magnetized neutron stars	Parmar V., School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Physical Sciences	Physical Review D	2023	1	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174148731&doi=10.1103%2fPhysRevD.108.083003&partnerID=40&md5=eb80d68b19c785b4646b9b2a626673d1
MHV gluon scattering in the massive scalar background and celestial OPE	Banerjee S., National Institute of Science Education and Research (NISER), Odisha, Bhubaneswar, 752050, India, Homi Bha	Physical Sciences	Journal of High Energy Physics	2023	7	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173735135&doi=10.1007%2fJHEP10%282023%29007&partnerID=40&md5=6c35395b0ebf08e408f2467563f1c195
First measurement of the Λ–Ξ interaction in proton–proton collisions at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	10	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162181771&doi=10.1016%2fj.physletb.2022.137223&partnerID=40&md5=e5569dc10e45fe847e5ba5a72c59b119
Measurements of Groomed-Jet Substructure of Charm Jets Tagged by D0 Mesons in Proton-Proton Collisions at s =13	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPCc, Clermont-Ferrand, France; Adamová D., Nuclear Physics Ins	Physical Sciences	Physical Review Letters	2023	2	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177928817&doi=10.1103%2fPhysRevLett.131.192301&partnerID=40&md5=9d9aca77620b080a086454e441a4a966
Elliptic flow of charged particles at midrapidity relative to the spectator plane in Pb–Pb and Xe–Xe collisions	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	1	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172065665&doi=10.1016%2fj.physletb.2022.137453&partnerID=40&md5=07656deeb299d42d8dd58288d7a8fc20
Study of flavor dependence of the baryon-to-meson ratio in proton-proton collisions at √s=13 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review D	2023	2	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181679313&doi=10.1103%2fPhysRevD.108.112003&partnerID=40&md5=2ec8c2e7b8b0e7e5f2ab88631c5928c4
Charm production and fragmentation fractions at midrapidity in pp collisions at s = 13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	3	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189921089&doi=10.1007%2fJHEP12%282023%29086&partnerID=40&md5=2ffcfd1a89cce470a2fd1af118af0141
Graded oxide layer for high-performing nanosized synaptic emulator	Sudheer, FCIPT, Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382 428, India; Mandal R., Homi Bhabha Natio	Physical Sciences	Applied Surface Science	2023	0	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167995530&doi=10.1016%2fj.apsusc.2023.158115&partnerID=40&md5=56075388a2a658c3d4ab9d8c586ff037
Evidence of weak itinerant ferromagnetism and Griffiths like phase in MnFeGe	Dara H.K., Institute of Physics Bhubaneswar, Bhubaneswar, 751005, India; Patra D., Department of Physics, Indian Institut	Physical Sciences	Journal of Physics Condensed Matter	2023	2	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164181440&doi=10.1088%2f1361-648X%2face0ac&partnerID=40&md5=e61c18584d97307f101bd40a6254bb96
First measurement of Ωc0 production in pp collisions at s=13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	6	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172692168&doi=10.1016%2fj.physletb.2022.137625&partnerID=40&md5=f626038ad3695827b711a90303448483
Study of charged particle production at high pT using event topology in pp, p–Pb and Pb–Pb collisions at sNN=5.02 Te	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	3	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162990010&doi=10.1016%2fj.physletb.2022.137649&partnerID=40&md5=5bf0579588d51773986546a74e0b335f
Study of the p–p–K + and p–p–K - dynamics using the femtoscopy technique	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	European Physical Journal A	2023	0	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180267787&doi=10.1140%2fepja%2fs10050-023-01139-9&partnerID=40&md5=755b584a01369168a59055ce7c72bd2c
Digital and analog resistive switching in Lu-doped piezoelectric BiFeO3 film	Mohanty H.N., Nanomagnetism and Microscopy Laboratory, Department of Physics, Indian Institute of Technology Hydera	Physical Sciences	Materials Science and Engineering: B	2023	1	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153868274&doi=10.1016%2fj.mseb.2023.116535&partnerID=40&md5=305757b9ecad6047060956b1f297466c
Production of pions, kaons, and protons as a function of the relative transverse activity classifier in pp collisions at √s	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	3	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161804309&doi=10.1007%2fJHEP06%282023%29027&partnerID=40&md5=fa3aa5596d4de2e1a5af0cafa78314cf
Jet-like correlations with respect to KS0 and Λ (Λ ¯) in pp and central Pb–Pb collisions at √sNN=5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	European Physical Journal C	2023	0	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161820231&doi=10.1140%2fepjc%2fs10052-023-11614-8&partnerID=40&md5=217488658a6a0f43d9442412027b8924
Towards the understanding of the genuine three-body interaction for p–p–p and p–p– Λ	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	European Physical Journal A	2023	8	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165704330&doi=10.1140%2fepja%2fs10050-023-00998-6&partnerID=40&md5=9900448e835352518389b2864f92d175
Unusual structural rearrangement and superconductivity in infinite layer cuprate superlattices	Samal D., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anushakti	Physical Sciences	Physical Review Materials	2023	0	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161339043&doi=10.1103%2fPhysRevMaterials.7.054803&partnerID=40&md5=58db4f86593b50c3d3869524bc876726
Light (anti)nuclei production in Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review C	2023	9	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163714237&doi=10.1103%2fPhysRevC.107.064904&partnerID=40&md5=b874c0d4a05000d8e4ade779920aebf7
J/ψ production at midrapidity in p-Pb collisions at √sNN = 8.16 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	4	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165611838&doi=10.1007%2fJHEP07%282023%29137&partnerID=40&md5=308908fa4d74c9c185f3f4dab1490611
Measurement of inclusive and leading subjet fragmentation in pp and Pb–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	3	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161037786&doi=10.1007%2fJHEP05%282023%29245&partnerID=40&md5=752811896eec4a445aaa7ac372d62b3b
Neutron emission in ultraperipheral Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review C	2023	3	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163755100&doi=10.1103%2fPhysRevC.107.064902&partnerID=40&md5=1dcab58d1afa2782f277ad6e657e497d
Discriminating between Lorentz violation and non-standard interactions using core-passing atmospheric neutrinos at	Sahoo S., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Homi Bhabha National In	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	4	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159655748&doi=10.1016%2fj.physletb.2023.137949&partnerID=40&md5=f7e9e46ecdd59096b10dc8d10cec616a
K∗(892)0 and ϕ(1020) production in p-Pb collisions at sNN =8.16 TeV	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear Physics	Physical Sciences	Physical Review C	2023	4	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162214378&doi=10.1103%2fPhysRevC.107.055201&partnerID=40&md5=9278f95e8064f3eb3ddee53949f3a352
Constraining Lorentz invariance violation with next-generation long-baseline experiments	Agarwalla S.K., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Homi Bhabha Natio	Physical Sciences	Journal of High Energy Physics	2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168530557&doi=10.1007%2fJHEP07%282023%29216&partnerID=40&md5=3b3e3bb2a1324baebbc52b077711e491
Measurement of ψ (2S) production as a function of charged-particle pseudorapidity density in pp collisions at √s = 13	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	4	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163024333&doi=10.1007%2fJHEP06%282023%29147&partnerID=40&md5=d94870cfb4dc6f468ccc0e56af86410c
Inclusive photon production at forward rapidities in pp and p–Pb collisions at √sNN=5.02 TeV	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	European Physical Journal C	2023	0	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165904345&doi=10.1140%2fepjc%2fs10052-023-11729-y&partnerID=40&md5=c5bd1a4bc2ebc187a89e0c7f3259ca93
Multiplicity and rapidity dependence of K ∗(892) and φ(1020) production in p–Pb collisions at √sNN= 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	European Physical Journal C	2023	3	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168263609&doi=10.1140%2fepjc%2fs10052-023-11449-3&partnerID=40&md5=0030f62a224e34e8c00660135c992cf1
Symmetry plane correlations in Pb–Pb collisions at √sNN=2.76 TeV	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	European Physical Journal C	2023	1	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164118706&doi=10.1140%2fepjc%2fs10052-023-11658-w&partnerID=40&md5=12863f39bcc39e76aa941bcdb226b73f
W±-boson production in p–Pb collisions at √sNN = 8.16 TeV and Pb–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159143281&doi=10.1007%2fJHEP05%282023%29036&partnerID=40&md5=43680d1e427326167c7acde8dff6309f
Anisotropic flow and flow fluctuations of identified hadrons in Pb–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	8	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160948065&doi=10.1007%2fJHEP05%282023%29243&partnerID=40&md5=6d41257cdc03a8e8676a1b49efe33a86
Valleytronics: A New Way to Communicate With Electrons	Khatei J., Department of Physics, Odisha University of Technology and Research (Formerly College of Engineering and Tec	Physical Sciences	Resonance	2023	1	0971-8044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153281570&doi=10.1007%2fs12045-023-1581-9&partnerID=40&md5=7f453f6e590d8ac1e942d31ddb484f7c
Production of singlet dominated scalar(s) at the LHC	Bisal S., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751 005, India, Homi Bhabha National Institute, Training Sch	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	2	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149411868&doi=10.1016%2fj.physletb.2023.137806&partnerID=40&md5=045699e93cf05cd60fae1acf8bf7479e
Emergent quantum transport due to quenched magnetic impurity scattering by antiferromagnetic proximity in SrCuO	Jana S., Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400	Physical Sciences	Physical Review B	2023	3	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158844125&doi=10.1103%2fPhysRevB.107.134415&partnerID=40&md5=4548a1fefdd3a99cedbe072004773df8
Reconfigurable Low-Power TiO2 Memristor for Integration of Artificial Synapse and Nociceptor	Sahu M.C., Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha Nat	Physical Sciences	ACS Applied Materials and Interfaces	2023	17	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160586162&doi=10.1021%2facsami.3c02727&partnerID=40&md5=5944cfc07ab68fa3b8733ec2afe32f64
Solid-state synthesis of Pt/C cathode catalysts for direct methanol fuel cells	Roul B., Materials Research Centre, Indian Institute of Science, Bangalore, 560012, India, Central Research Laboratory, Bha	Physical Sciences	Journal of Materials Chemistry C	2023	3	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167431763&doi=10.1039%2fd3tc00889d&partnerID=40&md5=3e53f9248d47c9dfaad368563e3be71d
Investigation of K+K- interactions via femtoscopy in Pb-Pb collisions at sNN =2.76 TeV at the CERN Large Hadron Collid	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review C	2023	2	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162242592&doi=10.1103%2fPhysRevC.107.054904&partnerID=40&md5=df3cfb5a8e5c6aa3655a547c1cda3a15
Projective symmetry group classification of Abrikosov fermion mean-field ansätze on the square-octagon lattice	Maity A., Department of Physics, Quantum Center for Diamond and Emergent Materials (QuCenDiEM), Indian Institute of	Physical Sciences	Physical Review B	2023	2	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158851417&doi=10.1103%2fPhysRevB.107.134438&partnerID=40&md5=556e88e8a87ee96e5420aab72705d653
Locating the core-mantle boundary using oscillations of atmospheric neutrinos	Upadhyay A.K., Department of Physics, Aligarh Muslim University, Aligarh, 202002, India, Institute of Physics, Sachivalaya	Physical Sciences	Journal of High Energy Physics	2023	6	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153295936&doi=10.1007%2fJHEP04%282023%29068&partnerID=40&md5=f7e092568d0cd11dd1b43aa2c2849e8f
Probing dark matter inside Earth using atmospheric neutrino oscillations at INO-ICAL	Upadhyay A.K., Department of Physics, Aligarh Muslim University, Aligarh, 202002, India, Institute of Physics, Sachivalaya	Physical Sciences	Physical Review D	2023	3	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163867659&doi=10.1103%2fPhysRevD.107.115030&partnerID=40&md5=f53eb3d5625d5ac2cc1e889a246556cf
Measurements of the groomed jet radius and momentum splitting fraction with the soft drop and dynamical groomin	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160931127&doi=10.1007%2fJHEP05%282023%29244&partnerID=40&md5=b7b0f54667c98c2b2f3bf000f804c956
Multiple higher-order topological phases with even and odd pairs of zero-energy corner modes in a C3symmetry brok	Saha S., Institute of Physics, Odhisa, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Maharashtra, Mumbai,	Physical Sciences	EPL	2023	5	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162100317&doi=10.1209%2f0295-5075%2facd71a&partnerID=40&md5=7e9528f0807ace04b40e2e4a6f83143d
Underlying-event properties in pp and p–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161403453&doi=10.1007%2fJHEP06%282023%29023&partnerID=40&md5=d98c9a58d3d3e9f74cb3d4596ce50ac1
First measurement of Λc+ production down to pT=0 in pp and p -Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review C	2023	9	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163743165&doi=10.1103%2fPhysRevC.107.064901&partnerID=40&md5=ce67eebd46434a5033f89e65098b006e
Production of KS0 , Λ (Λ ¯), Ξ±, and Ω± in jets and in the underlying event in pp and p–Pb collisions	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	3	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165564550&doi=10.1007%2fJHEP07%282023%29136&partnerID=40&md5=1ccc1574238b0b7ae9fb2d3b187d53d6
Theoretical studies on structural properties and decay modes of 284 - 375 119 isotopes	Rather A.A., Department of Physics, Aligarh Muslim University, Aligarh, 202002, India, Department of School Education, G	Physical Sciences	European Physical Journal Plus	2023	0	2190-5444	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160266153&doi=10.1140%2fepjp%2fs13360-023-03959-6&partnerID=40&md5=076fe04528cb149fb30bc043d35a5199
Evaluation of HPK n+-p planar pixel sensors for the CMS Phase-2 upgrade	Adam W., Institut für Hochenergiephysik, Wien, Austria; Bergauer T., Institut für Hochenergiephysik, Wien, Austria; Dama	Applied Systems Analysis; Chemical Scie	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	3	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160023935&doi=10.1016%2fj.nima.2023.168326&partnerID=40&md5=d45d5fc13d00d5daf3eca880caf4dcb4
Measurement of atmospheric neutrino mixing with improved IceCube DeepCore calibration and data processing	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deutsches	Physical Sciences	Physical Review D	2023	15	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166768123&doi=10.1103%2fPhysRevD.108.012014&partnerID=40&md5=1efbb59fddeedf4af971c519584f4b78
Constraining hadronization mechanisms with Λc+/D0 production ratios in Pb–Pb collisions at sNN=5.02 TeV	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear Physics	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	22	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150826666&doi=10.1016%2fj.physletb.2023.137796&partnerID=40&md5=f762da01f86dfc1311a5d49172f6c153
Constraining the K ¯ N coupled channel dynamics using femtoscopic correlations at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	European Physical Journal C	2023	16	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158052545&doi=10.1140%2fepjc%2fs10052-023-11476-0&partnerID=40&md5=1f6fe021ce282f8c324643596f2f6fb6
Two-particle transverse momentum correlations in pp and p -Pb collisions at energies available at the CERN Large Had	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Physical Review C	2023	2	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162267825&doi=10.1103%2fPhysRevC.107.054617&partnerID=40&md5=d245e466a33423a5ff9b978c07dd3adc
Enhanced Deuteron Coalescence Probability in Jets	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Max-Planck-Institut fur Physik, M	Physical Sciences	Physical Review Letters	2023	9	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167750370&doi=10.1103%2fPhysRevLett.131.042301&partnerID=40&md5=87a5e789f9c83721e8c4d6bc3f0225f8
Σ (1385) ± resonance production in Pb–Pb collisions at √sNN=5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	European Physical Journal C	2023	1	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159950234&doi=10.1140%2fepjc%2fs10052-023-11475-1&partnerID=40&md5=1f2e023ac67f4e14b36eb0db56ae93fd
Measurement of the angle between jet axes in pp collisions at √s = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physics Inst	Physical Sciences	Journal of High Energy Physics	2023	1	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166272786&doi=10.1007%2fJHEP07%282023%29201&partnerID=40&md5=85e879340f3343603f8e502129645a7b
Observation of flow angle and flow magnitude fluctuations in Pb-Pb collisions at sNN =5.02 TeV at the CERN Large Ha	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physical Review C	2023	3	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162274234&doi=10.1103%2fPhysRevC.107.L051901&partnerID=40&md5=916ba2738f2b98e3d878e9e563928bbb
Measurement of the J/ψ Polarization with Respect to the Event Plane in Pb-Pb Collisions at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physical Review Letters	2023	17	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167745487&doi=10.1103%2fPhysRevLett.131.042303&partnerID=40&md5=8f99494c53e691836a4fcb0ff03f48bf
First Measurement of Antideuteron Number Fluctuations at Energies Available at the Large Hadron Collider	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Physical Review Letters	2023	2	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173459062&doi=10.1103%2fPhysRevLett.131.041901&partnerID=40&md5=c7cd1a048ac9b10e6d2356e321cd7c1c
Dielectron production at midrapidity at low transverse momentum in peripheral and semi-peripheral Pb–Pb collisions	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	4	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163101135&doi=10.1007%2fJHEP06%282023%29024&partnerID=40&md5=011eba0d84ae2218fce1f69849256bf3
A Search for Coincident Neutrino Emission from Fast Radio Bursts with Seven Years of IceCube Cascade Events	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deutsches	Physical Sciences	Astrophysical Journal	2023	3	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154068653&doi=10.3847%2f1538-4357%2facbea0&partnerID=40&md5=848610cac73dee426314123ba34abbd4
Measurement of the production of charm jets tagged with D0 mesons in pp collisions at √s = 5.02 and 13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron Centre,	Physical Sciences	Journal of High Energy Physics	2023	6	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163026323&doi=10.1007%2fJHEP06%282023%29133&partnerID=40&md5=902daa80e493b94aa639f53712a0cc7a
Constraining the surface curvature of an anisotropic neutron star	Das H.C., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Training Sc	Physical Sciences	Physical Review D	2023	4	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152787437&doi=10.1103%2fPhysRevD.107.083007&partnerID=40&md5=02c85d3384c604b72fd29ce049666fa1
Combining experimental and modelling approaches to understand the expansion of lattice parameter of epitaxial SrTi	Arya M., Department of Physics, School of Natural Sciences, Shiv Nadar University, Uttar Pradesh, 201314, India; Kumar S.	Physical Sciences	Computational Materials Science	2023	0	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142154008&doi=10.1016%2fj.commatsci.2022.111917&partnerID=40&md5=59ca2968f5090689d51665d377a71cbe
Inclusive quarkonium production in pp collisions at √s = 5.02 TeV	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear Physics	Physical Sciences	European Physical Journal C	2023	9	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146764717&doi=10.1140%2fepjc%2fs10052-022-10896-8&partnerID=40&md5=378ce13b33b9eebd88ca8552908dee9d
Photocurrent Polarity Switching and Enhanced Photoresponse in Silver Nanoparticles Decorated a-GaN-Based Photod	Singh D.K., CSIR-National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi, 110012, India, Materials Research Centr	Physical Sciences	ACS Applied Electronic Materials	2023	11	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148941934&doi=10.1021%2facsaelm.2c01549&partnerID=40&md5=da38ced60c13a754db3ce428d09d7eaf
Role of Cu-doping in CdTe thin films: Experiments and simulations	Singh R., SUNAG Laboratory, Institute of Physics, Bhubaneswar, India, Homi Bhabha National Institute, Training School Co	Physical Sciences	Surface and Interface Analysis	2023	1	0142-2421	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142354080&doi=10.1002%2fsia.7172&partnerID=40&md5=b485ea29049b4ee7254a2a4e924d3ebb
Effect of an inner-transition metal (Dy) intercalation on the structure and magnetic properties of 1T–TiSe2	Naik S., Department of Chemistry, NIT Rourkela, Odisha, Rourkela, 769008, India; Sarangi S.N., Institute of Physics, Bhubar	Physical Sciences	Journal of Solid State Chemistry	2023	1	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143700678&doi=10.1016%2fj.jssc.2022.123782&partnerID=40&md5=1bb66075cd61b0a08d737ba66697450e
Polymerized stimuli-responsive microgels for the removal of organic dye from water	Pany B., School of Chemical Technology, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubar	Physical Sciences	Journal of Molecular Liquids	2023	9	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147845913&doi=10.1016%2fj.molliq.2023.121267&partnerID=40&md5=0ea3a1bfeeb356f737e42a64aaa8a0e2
Minimal scenario facet Bell inequalities for multi-qubit states	Das A., Institute of Physics, Sainik School, Sachivalaya Marg Odisha, Bhubaneswar, 751005, India, Homi Bhabha National I	Physical Sciences	International Journal of Quantum Information	2023	0	0219-7499	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149543917&doi=10.1142%2fS0219749923500053&partnerID=40&md5=b8e9562d6b876bfa4f12e515612ceae4
Time evolution of Majorana corner modes in a Floquet second-order topological superconductor	Ghosh A.K., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Training	Chemical Sciences; Physical Sciences	Physical Review B	2023	6	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146891980&doi=10.1103%2fPhysRevB.107.035419&partnerID=40&md5=ff6cdfd9ac01b535f83aee8d51a658cd
Interference Effect of Beam Splitter Current in Iron-Pnictide Superconductors	Bag A., Institute of Physics, Odisha, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Maharashtra, Mumbai,	Physical Sciences	Journal of Superconductivity and Novel Magnetism	2023	0	1557-1939	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146192840&doi=10.1007%2fs10948-022-06478-0&partnerID=40&md5=ff42d04436db29576ca64c97a1047e16
Linearly potentiated synaptic weight modulation at nanoscale in a highly stable two-terminal memristor	Sudheer, SUNAG Laboratory, Institute of Physics, Odisha, Bhubaneswar, 751 005, India; Mandal R., SUNAG Laboratory, Ins	Physical Sciences	Applied Surface Science	2023	5	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141308978&doi=10.1016%2fj.apsusc.2022.155411&partnerID=40&md5=700f7b174187f2f67cfe027f552eedc6
Variation of structural and magnetic properties of mixed-valent manganites through A-site cationic ordering	Khatun A., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Training S	Life Sciences; Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	4	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146921713&doi=10.1016%2fj.jmmm.2023.170367&partnerID=40&md5=54ae7a942687d01f58a3666ef3a1ed9c
Magnetic-field Induced Deformation in Hybrid Stars	Rather I.A., Centro de Astrofísica e Gravitação (CENTRA), Instituto Superior Técnico-IST, Universidade de Lisboa-UL, Av. Ro	Physical Sciences	Astrophysical Journal	2023	5	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147148897&doi=10.3847%2f1538-4357%2faca85c&partnerID=40&md5=5e50b5ec2b75a1880d81b227a1e02ac0
High Responsivity in Monolayer MoS2 Photodetector via Controlled Interfacial Carrier Trapping	Sahoo S., Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha Natio	Physical Sciences	ACS Applied Electronic Materials	2023	5	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147590169&doi=10.1021%2facsaelm.2c01567&partnerID=40&md5=d20eca39b2a73730cc7ca161944dd59e
Topological characterization and stability of Floquet Majorana modes in Rashba nanowires	Mondal D., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Training S	Chemical Sciences; Physical Sciences	Physical Review B	2023	7	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147248229&doi=10.1103%2fPhysRevB.107.035427&partnerID=40&md5=46bbb1c104c023d79bdd92df2b21cc8a
Realization of Short- and Long-Term Memories at Nanoscale and their Temporal Evolution in Two-Terminal Memristiv	Hasina D., SUNAG Laboratory, Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751 005, India, Homi Bhabha National	Physical Sciences	Applied Surface Science	2023	5	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141925731&doi=10.1016%2fj.apsusc.2022.155563&partnerID=40&md5=86e6a8d9d108faad8b7ccc921c79ccc4
Cooperation and competition in the collective drive by motor proteins: mean active force, fluctuations, and self-load	Karan C., Institute of Physics, Sachivalaya Marg, Sainik School, Bhubaneswar, 751005, India, Homi Bhaba National Institute	Physical Sciences	Soft Matter	2023	1	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148764031&doi=10.1039%2fd2sm01183b&partnerID=40&md5=ac88f10e68802f4262613ec9f87c350b
Measurement of anti-3He nuclei absorption in matter and impact on their propagation in the Galaxy	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear Physics	Physical Sciences	Nature Physics	2023	10	1745-2473	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143911914&doi=10.1038%2fs41567-022-01804-8&partnerID=40&md5=98627a5d2df55b4ad7a9254edd8f8b7d

Tailoring the phase transition from topological superconductor to trivial superconductor induced by magnetic texture	Chatterjee P., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Trainin	Physical Sciences	Physical Review B	2023	6	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149637112&doi=10.1103%2fPhysRevB.107.085423&partnerID=40&md5=2216e921c40de2de9a580f24ac9dc1cb
Multiband character revealed from weak antilocalization in platinum thin films	Jana S., Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 4000	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146663271&doi=10.1103%2fPhysRevB.107.035127&partnerID=40&md5=5b559396606c354a5dd7190b7db3fb2f
Fusion enhancement within a collective clusterization approach applied to the isotopic chain of neutron-rich light-mas	Kaur S., Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, 140406, India, Department of Ph	Physical Sciences	Physical Review C	2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147455461&doi=10.1103%2fPhysRevC.107.014613&partnerID=40&md5=4726995a3de6f409fbbb9613447baf0d
Exact moments and re-entrant transitions in the inertial dynamics of active Brownian particles	Patel M., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anushaktin	Physical Sciences	New Journal of Physics	2023	3	1367-2630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183329469&doi=10.1088%2f1367-2630%2fad1538&partnerID=40&md5=3de27a266f16d737c64c8622c7777c54
Multifunctional 2D MoS2 Optoelectronic Artificial Synapse with Integrated Arithmetic and Reconfigurable Logic Opera	Sahu M.C., Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha Nat	Physical Sciences	Advanced Materials Technologies	2023	31	2365-709X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139440979&doi=10.1002%2fadmt.202201125&partnerID=40&md5=905e96b0140e52d51b084fba6cd5f204
Role of cationic size mismatch and effect of disorder in mixed valent manganites	Khatun A., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Training S	Life Sciences; Physical Sciences	AIP Advances	2023	1	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147795503&doi=10.1063%2f9.0000526&partnerID=40&md5=3f385b306ea863b050c658ec067e47e1
Low-mass doubly charged Higgs bosons at the LHC	Ashanujjaman S., Institute of Physics, Bhubaneswar, Sainik School, Sachivalaya Marg, Bhubaneswar, 751005, India, Depart	Physical Sciences	Physical Review D	2023	7	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147270543&doi=10.1103%2fPhysRevD.107.015018&partnerID=40&md5=966b04537b354f50eca1c4821a2ff487
Magnetized neutron star crust within effective relativistic mean-field model	Parmar V., School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Physical Sciences	Physical Review D	2023	7	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149555918&doi=10.1103%2fPhysRevD.107.043022&partnerID=40&md5=e97f5f4e95a41bdd37efba2d0e4301e0
Bipolar Resistive Switching in TiO2 Artificial Synapse Mimicking Pavlov's Associative Learning	Jena A.K., Laboratory for Low-dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha Nati	Physical Sciences	ACS Applied Materials and Interfaces	2023	40	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146037832&doi=10.1021%2fACSAMI.2C17228&partnerID=40&md5=4a2bdb28a9efa633dfa492137cd7974d
SERS sensing of Metanil yellow in turmeric solution using self-organized nanoparticle arrays grown on Ion beam patte	Augustine S., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, 2nd floor, BARC	Physical Sciences	Photonics and Nanostructures - Fundamentals and Applications	2023	2	1569-4410	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162851581&doi=10.1016%2fj.photonics.2023.101166&partnerID=40&md5=8f6ab9cfa625e7a489495dc90195e590
Spatio-temporal dynamics of anisotropic emission from nano-second laser produced aluminium plasma	Geethika B.R., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute, T	Physical Sciences	Journal of Analytical Atomic Spectrometry	2023	0	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174727784&doi=10.1039%2fd3ja00228d&partnerID=40&md5=a5454b2d3c64174b7802d1bbba4dec83
Effect of stirring on characteristics of electrochemically exfoliated graphene	Awasthi G., Department of Materials and Metallurgical Engineering, Indus University, Gujarat, Ahmedabad, 382115, India;	Engineering Sciences	Materialia	2023	3	2589-1529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161827947&doi=10.1016%2fj.mtla.2023.101818&partnerID=40&md5=459da23523498b246dab90e4edb08d15
Study on structural properties of swift heavy ion induced damage in Al2O3	Patra P., ITER-India, Institute for Plasma Research, Ahmedabad, 380005, India; Shah S., ITER-India, Institute for Plasma Res	Physical Sciences	Radiation Physics and Chemistry	2023	4	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163435680&doi=10.1016%2fj.radphyschem.2023.111128&partnerID=40&md5=b2f01a2b9eb2fbc9bafe5ef31776f3fc
Mid-Infrared Radiation from Semiconductor Plasmas Using Extraordinary Mode of Lasers	Gopal K., Department of Physics and Electronics, Rajdhani College, University of Delhi, Delhi, 110015, India; Singh A.P., De	Engineering Sciences; Physical Sciences	Brazilian Journal of Physics	2023	1	0103-9733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164531460&doi=10.1007%2fs13538-023-01342-5&partnerID=40&md5=07af233fa00d3396ef0c657391217429
Studies of physio-chemical changes of dielectric barrier discharge plasma treated aramid fibers	Jethva S., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India; Bhabhor F., Institute for Plasma Research, Bhat	Engineering Sciences; Physical Sciences	Vacuum	2023	3	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163148848&doi=10.1016%2fj.vacuum.2023.112313&partnerID=40&md5=3319fdfaec246d41d9377195383d8acd
Selective generation of reactive oxygen species in plasma-activated water using CO2 plasma	Rathore V., Atmospheric Plasma Division, Institute for Plasma Research (IPR), Gujarat, Gandhinagar, 382428, India, Homi E	Chemical Sciences	Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films	2023	7	0734-2101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158828322&doi=10.1116%2f6.0002460&partnerID=40&md5=89eca5b3fa31447e277e61660a74bb61
Manifestation of improvement in regenerator performance of a low and high-frequency pulse tube cryocooler using l	Desai A.B., Institute for Plasma Research, Gujarat, Gandhinagar, 382428, India; Dutta R., Anant School of Climate Action, A	Physical Sciences	Thermal Science and Engineering Progress	2023	0	2451-9049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171611076&doi=10.1016%2fj.tsep.2023.102112&partnerID=40&md5=7eb8a4f096b134a938d626a50d7c2a96
Kinetic simulation of a 50 mTorr capacitively coupled argon discharge over a range of frequencies and comparison to (	Simha S., School of Aeronautics and Astronautics, Purdue University, West Lafayette, 47906, IN, United States; Sharma S.,	Physical Sciences	Physics of Plasmas	2023	3	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168795018&doi=10.1063%2f5.0157347&partnerID=40&md5=60abe3bcc8f10eb3fbc736a395c5e5a4
Effect of chamber pressure on the output characteristics of a low-pressure DC plasma torch	Krushna Mohanta R., Institute for Plasma Research, Gujarat, Gandhinagar, 382 428, India, Homi Bhabha National Institute	Physical Sciences	Journal of Applied Physics	2023	0	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174974123&doi=10.1063%2f5.0160624&partnerID=40&md5=54027d98d14c505c7547c49a64c45903
Effect of ambient gas on grain growth of CZTS layer: study on device efficiency	Agrawal S., Institute for Plasma Research, Near Indira Bridge, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha Na	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	1	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162212229&doi=10.1007%2fs10854-023-10776-1&partnerID=40&md5=2d6f0bef8fbf231c41bb306c37a7baa0
Plasma sheath with multi-species of positive ions and surface produced negative ions	Samanta S., Centre of Plasma Physics, Institute for Plasma Research, Assam, Guwahati, India; Moulick R., Centre of Plasma	Physical Sciences	Contributions to Plasma Physics	2023	0	0863-1042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163062483&doi=10.1002%2fctpp.202300044&partnerID=40&md5=bd0a42c841d8cbbd0de6c2e4d3cca4d2
High-Temperature Wear and Frictional Performance of Plasma-Nitrided AISI H13 Die Steel	Kumar A., Mechanical Engineering Department, Chandigarh Group of Colleges, Landran, Sahibzada Ajit Singh Nagar, 14030	Engineering Sciences	Lubricants	2023	1	2075-4442	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175033386&doi=10.3390%2flubricants11100448&partnerID=40&md5=e1887d11c1698e1308d0f1a788b7dab5
Search for Gravitational Waves Associated with Fast Radio Bursts Detected by CHIME/FRB during the LIGO-Virgo Obse	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abbott T.D., Louisiana	Physical Sciences	Astrophysical Journal	2023	5	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176949235&doi=10.3847%2f1538-4357%2facd770&partnerID=40&md5=d15047cce6d0fac4cce10e7aa7ee92d2
Investigation of EDF evolution and charged particle transport in E × B plasma based negative ion sources using kinetic	Shah M., Institute for Plasma Research, Gandhinagar, 382428, India; Chaudhury B., Group in Computational Science and H	Physical Sciences	Scientific Reports	2023	2	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176908521&doi=10.1038%2fs41598-023-45656-5&partnerID=40&md5=fc7fb80e4ec69f5c9da5fd9ce45dd9bd
Role of micro- and nano-CeO2 reinforcements on characteristics and tribological performance of HVOF sprayed Cr3C2	Chauhan H.R., Sardar Vallabhbhai Patel Institute of Technology (SVIT), Gujarat, Vasad, India; Saladi S., Sardar Vallabhbhai I	Physical Sciences	Surface and Coatings Technology	2023	7	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162121861&doi=10.1016%2fj.surfcoat.2023.129684&partnerID=40&md5=d556eb56a2ec3924dd9731ae094cd28f
Computational and Experimental Study of Nonequilibrium Flow in Plasma Wind Tunnel	Unnikrishnan V., Indian Space Research Organisation, Thiruvananthapuram, 695 022, India; Yadava N., Nirma University, A	Physical Sciences	Journal of Thermophysics and Heat Transfer	2023	0	0887-8722	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165710521&doi=10.2514%2f1.T6357&partnerID=40&md5=cd1000d10ef90ffa0f11d02b63524870
Direct implicit and explicit energy-conserving particle-in-cell methods for modeling of capacitively coupled plasma dev	Sun H., Swiss Plasma Center (SPC), École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, CH-1015, Switzerland; Bar	Physical Sciences	Physics of Plasmas	2023	6	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175335013&doi=10.1063%2f5.0160853&partnerID=40&md5=ebdfe6a588691b8bdc5822e8358db6d6
Comparative wettability study of bulk and thin film of polytetrafluoroethylene after low energy ion irradiation	Pachchigar V., Institute for Plasma Research, Near Indira Bridge, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha	Physical Sciences	Thin Solid Films	2023	0	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159200697&doi=10.1016%2fj.tsf.2023.139888&partnerID=40&md5=73eec212dd29ce63e7082d2d49dc939b
Tritium-titanium target degradation due to deuterium irradiation for DT neutron production	Rajput M., Institute for Plasma Research, Gandhinagar, 382428, India; Swami H.L., Institute for Plasma Research, Gandhin	Engineering Sciences	Nuclear Fusion	2023	1	0029-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159718605&doi=10.1088%2f1741-4326%2faccd80&partnerID=40&md5=77525caeb2b4c4c3029d1f8651484336
Kelvin-Helmholtz instability in a compressible dust fluid flow	Kumar K., Institute For Plasma Research, A CI of Homi Bhabha National Institute, Gujarat, Bhat, Gandhinagar, 382428, Indi	Physical Sciences	Scientific Reports	2023	6	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149679231&doi=10.1038%2fs41598-023-30992-3&partnerID=40&md5=0e76048f6c672a4df8b263ffd62c009f
Spatial flux and energy asymmetry in a low pressure capacitively coupled plasma discharge excited by sawtooth wave	Sharma S., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, Anushakti Nagar, M	Physical Sciences	Physics of Plasmas	2023	4	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165328358&doi=10.1063%2f5.0151866&partnerID=40&md5=42f3530af4af0e49538aefafe8bf3364
Preliminary engineering design of vacuum thermal shielded Pb-Li loop section for potential nuclear fusion application	Rayjada P.A., Institute for Plasma Research, Gandhinagar, 382428, India; Mehta V., Institute for Plasma Research, Gandhin	Physical Sciences	Fusion Engineering and Design	2023	0	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166283177&doi=10.1016%2fj.fusengdes.2023.113932&partnerID=40&md5=3fa3eb0fea9f87260bbf8832b43e42e3
Argon, neon, and nitrogen impurity transport in the edge and SOL regions of a tokamak	Raj S., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar Gujarat, Bhat, 382428, India; Bi	Physical Sciences	Physics of Plasmas	2023	4	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161023676&doi=10.1063%2f5.0142975&partnerID=40&md5=1328c826aeddd9f0ac373898f76e1d14
Whistler heat flux instability governed interaction of anisotropic beam electrons in electromagnetic Vlasov simulation	Paul A., Institute for Plasma Research, Gandhinagar, Bhat, 382428, India, Homi Bhabha National Institute, Training School	Physical Sciences	Physics of Plasmas	2023	2	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174275765&doi=10.1063%2f5.0167534&partnerID=40&md5=dd7b99cd5f2198e5f063ec992244b88e
Pinning of graphene for conformal wrinkling over a soft corrugated substrate through prestretch-release process	Pandey M., Department of Physics, Indian Institute of Technology Ropar, Punjab, Rupnagar, 140001, India; Parida B.K., FC	Physical Sciences	Applied Surface Science Advances	2023	0	2666-5239	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163881754&doi=10.1016%2fj.apsadv.2023.100433&partnerID=40&md5=d7158ea62f799362f93aff1141f75c19
Runaway electron mitigation with pulsed localized vertical magnetic field perturbation in ADITYA tokamak	Tanna R.L., Institute for Plasma Research, Nr. Indira Bridge Gandhinagar, Bhat, 382428, India, Institute of Science, Nirma U	Physical Sciences	Nuclear Fusion	2023	1	0029-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163476116&doi=10.1088%2f1741-4326%2facdc3a&partnerID=40&md5=7bee8b9408c83693b6543e9b215d98c2
Discharge characteristics of a low-pressure geometrically asymmetric cylindrical capacitively coupled plasma with an a	Dahiya S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Train	Physical Sciences	Physics of Plasmas	2023	1	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173429876&doi=10.1063%2f5.0160506&partnerID=40&md5=f83c74ea81b43ded4a645d879a44ee15
Constraints on the Cosmic Expansion History from GWTC-3	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abe H., Graduate Scho	Physical Sciences	Astrophysical Journal	2023	72	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163895637&doi=10.3847%2f1538-4357%2fac74bb&partnerID=40&md5=c2f1ae3af21319553043c8c8a791971a
Variation in defects and properties in composite of ZnO and α-Fe2O3for sustainable wastewater treatment	Wareppam B., Department of Physics, National Institute of Technology, Manipur, Langol, 795004, India; Priyananda Singh	Physical Sciences	Journal of Applied Physics	2023	3	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162985702&doi=10.1063%2f5.0151016&partnerID=40&md5=b618704b2793493471f8c559afbecbda
Study of a collisionless magnetized plasma sheath with nonextensively distributed species	Paul R., Centre of Plasma Physics, Institute for Plasma Research, Assam, 782402, India; Deka K., Centre of Plasma Physics,	Physical Sciences	Plasma Science and Technology	2023	1	1009-0630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170282141&doi=10.1088%2f2058-6272%2face1d4&partnerID=40&md5=b5229836ec0a7b781180b7a900c142be
Theory of plasma blob formation and its numerical and experimental validations	Bisai N., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Anush	Physical Sciences	Reviews of Modern Plasma Physics	2023	5	2367-3192	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165917353&doi=10.1007%2fs41614-023-00124-5&partnerID=40&md5=274c958d2ff75839326f1c8088fe01fc
Study of physico-chemical and antibacterial properties of DBD plasma treated ahimsa silk coated with natural active a	Singh M., Manipal University, Rajasthan, Jaipur, India; Vajpayee M., Manipal University, Rajasthan, Jaipur, India; Ledwani L	Chemical Sciences	Physica Scripta	2023	1	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157974322&doi=10.1088%2f1402-4896%2faccee2&partnerID=40&md5=37bbf21e0cb6a9ebb86c4f5e43d8291d
Gyrokinetic simulation of short wavelength ion temperature gradient instabilities in the ADITYA-U tokamak	Singh A.K., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382428, India, Homi Bhabha National Institute (HBN	Physical Sciences	Nuclear Fusion	2023	2	0029-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165227233&doi=10.1088%2f1741-4326%2face06b&partnerID=40&md5=ae67e585af1a1254469872bda0218aa5
Enhancing the physicochemical properties and reactive species concentration of plasma activated water using an air b	Rathore V., Institute for Plasma Research (IPR), Gandhinagar, Gujarat, 382428, India, Homi Bhabha National Institute, Trai	Chemical Sciences; Engineering Sciences	Physics Letters, Section A: General, Atomic and Solid State Physics	2023	6	0375-9601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166489016&doi=10.1016%2fj.physleta.2023.129035&partnerID=40&md5=fb3c186fdd4262a14693b67d4da7017b
Spatial mapping of low pressure cluster jets using Rayleigh scattering	Patel M., Institute for Plasma Research, Near Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute, T	Physical Sciences	Scientific Reports	2023	4	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152863895&doi=10.1038%2fs41598-023-32373-2&partnerID=40&md5=66cc44943f0683b2c4f3799a1b95ed6a
Revisiting kinematic fast dynamo in three-dimensional magnetohydrodynamicplasmas: dynamo transition from non-h	Biswas S., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382428, India, Homi Bhabha National Institute, Traini	Physical Sciences	Physica Scripta	2023	2	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163346129&doi=10.1088%2f1402-4896%2facdccf&partnerID=40&md5=f382ab874c75565bbb9114cd8e5e6f6b
Laser-cluster interaction in an external magnetic field: Emergence of a nearly monoenergetic weakly relativistic electr	Swain K., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training Schoo	Physical Sciences	Physical Review A	2023	0	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176117907&doi=10.1103%2fPhysRevA.108.053104&partnerID=40&md5=d8c502a260ef63275c5e0ba26b37791b
Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abe H., Graduate Scho	Physical Sciences	Astrophysical Journal, Supplement Series	2023	89	0067-0049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172242508&doi=10.3847%2f1538-4365%2facdc9f&partnerID=40&md5=597638331ec4395fd365ec0568be1558
Pressureless manufacturing of high purity Ti3AlC2 MAX phase material: Synthesis and characterisation	Desai V., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training Schoo	Engineering Sciences	Vacuum	2023	5	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160322951&doi=10.1016%2fj.vacuum.2023.112221&partnerID=40&md5=a8cb6aa9b3b2202cb25627efaf31bc7d
Role of translational noise on current reversals of active particles on ratchet	Chugh A., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training Scho	Physical Sciences	Scientific Reports	2023	0	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172226891&doi=10.1038%2fs41598-023-42066-5&partnerID=40&md5=6242fe3396d4421aab43857f17446b2b
O-mode reflectometry on Aditya-U	Buch J.J.U., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Anushaktina	Engineering Sciences	Fusion Engineering and Design	2023	1	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153033321&doi=10.1016%2fj.fusengdes.2023.113746&partnerID=40&md5=449168d9a622b6e90ee8b9e5e35e0886
The development of a novel apparatus to measure the emissivity of high-roughness materials at 82 K	Dewasi A., Institute for Plasma Research, Gujarat, Gandhinagar, 382 428, India; Gangradey R., Institute for Plasma Researc	Physical Sciences	Measurement Science and Technology	2023	0	0957-0233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170640461&doi=10.1088%2f1361-6501%2facf236&partnerID=40&md5=0024af032f56885b7390374c9f791915
Role of pinch in Argon impurity transport in ohmic discharges of Aditya-U Tokamak	Shah K., Department of Physics, Pandit Deendayal Energy University, Raisan, Gandhinagar, 382 007, India; Ghosh J., Institu	Engineering Sciences; Physical Sciences	Scientific Reports	2023	2	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172283102&doi=10.1038%2fs41598-023-42746-2&partnerID=40&md5=5436cd1054459f9e025d5c787e3bfbe2
Enhancement of Shelf Life of Citrus Limon L. (Lemon) Using Plasma Activated Water	Rathore V., Institute for Plasma Research (IPR), Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Mah	Chemical Sciences	Plasma Chemistry and Plasma Processing	2023	4	0272-4324	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164920164&doi=10.1007%2fs11090-023-10356-5&partnerID=40&md5=073f9a2bd1d428ed7a3dfc83d7f097a1
Trapping of agglomerated nanoparticles by the acoustic field: influence of particle diameter and density on the trap e	Kandada S.P.R., Institute for Plasma Research, Gandhinagar, 382 428, India, Homi Bhabha National Institute, Anushakti Na	Physical Sciences	Pramana - Journal of Physics	2023	1	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178347223&doi=10.1007%2fs12043-023-02663-5&partnerID=40&md5=30b3efe5b8bbe1b6be6e0b3b11cc94bd
Impact of edge biasing on the cross-field transport and power spectra	Shankar V., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training Sch	Physical Sciences	Physics of Plasmas	2023	3	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161077634&doi=10.1063%2f5.0140301&partnerID=40&md5=852f24a85e17d5f5e0614495b88aeaec
High temperature vacuum brazing of tungsten to tungsten alloy with structural material	Singh K.P., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382 428, India; Patel A., Institute for Plasma Researc	Physical Sciences	Fusion Engineering and Design	2023	1	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175739383&doi=10.1016%2fj.fusengdes.2023.114058&partnerID=40&md5=ca9a5771605c881bba613476eda77a72
GWTC-3: Compact Binary Coalescences Observed by LIGO and Virgo during the Second Part of the Third Observing Ru	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abbott T.D., Louisiana	Physical Sciences	Physical Review X	2023	366	2160-3308	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182926803&doi=10.1103%2fPhysRevX.13.041039&partnerID=40&md5=8e4c4b52d1dcbf13de3de9288dcabd25
Experimental investigation of a triple point in a dusty plasma	Singh S., Institute For Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar, Bhat, 382428, India; Bandyo	Physical Sciences	Physics of Plasmas	2023	1	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179130565&doi=10.1063%2f5.0170437&partnerID=40&md5=dd14614d49a7603a4ca8e489ec14078e
Development of isotopically labelled 65Cu embedded PMMA-65CuO nanocomposites for detection and quantification	Malvi B., Materials Engineering, Indian Institute of Technology, India; Chakraborty S., GEES, University of Birmingham, Edg	Physical Sciences	Materials Today Communications	2023	0	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167984018&doi=10.1016%2fj.mtcomm.2023.106849&partnerID=40&md5=eebce0cc78a8fdd83765696b67f16620
Effect of flow shear on the onset of dynamos	Biswas S., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382428, India, Homi Bhabha National Institute, Traini	Physical Sciences	Physics of Plasmas	2023	1	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176571721&doi=10.1063%2f5.0170796&partnerID=40&md5=05f2dd8caa42df75b4ce4d10e090cfb8
Effect of laser intensity redistribution on terahertz field generation via laser wakefield in a magnetized plasma	Singh A.P., Department of Physics and Electronics, Rajdhani College (University of Delhi), Delhi, 110015, India; Varshney P.	Physical Sciences	Indian Journal of Physics	2023	3	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151620357&doi=10.1007%2fs12648-023-02687-y&partnerID=40&md5=9203fbf9c16a7fb3235f8356dcde09c1
Effect of external magnetic field and dust grains on the properties of ion-acoustic waves	Deka K., Centre of Plasma Physics, Institute for Plasma Research, Assam, Sonapur, 782402, India; Paul R., Centre of Plasma	Physical Sciences	Journal of Plasma Physics	2023	0	0022-3778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171750258&doi=10.1017%2fS0022377823000661&partnerID=40&md5=05dd8a588676e1d9528574fabdf04963
Effect of cage bias and electron emission on the two-electron temperature groups in a hot cathode discharge	Sangma J., Centre of Plasma Physics-Institute for Plasma Research (CPP-IPR), Tepesia, Kamrup (M), Assam, 782402, India;	Physical Sciences	Physica Scripta	2023	1	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163411056&doi=10.1088%2f1402-4896%2facdda4&partnerID=40&md5=5b080f18abb8a4149a816aabbfc91ac9
Heat transfer and fluid flow analysis of pebble bed and its verification with artificial neural network	Sedani C., Institute For Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Anus	Engineering Sciences	Nuclear Materials and Energy	2023	3	2352-1791	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158033753&doi=10.1016%2fj.nme.2023.101439&partnerID=40&md5=5dbb21a40e29f44fd939d797556861d8
Automated plasma probing system for laboratory experiments in high vacuum using closed loop control	Roy R., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, Mumbai, 400094, Indi	Engineering Sciences; Physical Sciences	Fusion Engineering and Design	2023	0	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161284834&doi=10.1016%2fj.fusengdes.2023.113849&partnerID=40&md5=0bf275819ac2fc1cf343799201af7818
Manifold enhancement in the near-field and SERS efficiency of all-sputter grown Ag-nanoparticles on Al-film based mi	Saini M., Facilitation Centre for Industrial Plasma Technologies, Institute for Plasma Research, Gujarat, Gandhinagar, 3820	Physical Sciences	Surfaces and Interfaces	2023	2	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169782697&doi=10.1016%2fj.surfin.2023.103263&partnerID=40&md5=285fd5c2eef6972b6475b358d7c8184b
Effect of Pre-treatment and Duration of Pulse Plasma Nitriding on Duplex Plasma Treatment by Physical Vapor Deposi	Das K., Department of Metallurgy and Materials Engineering, Indian Institute of Engineering Science and Technology, Shib	Engineering Sciences; Physical Sciences	Journal of Materials Engineering and Performance	2023	1	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145844071&doi=10.1007%2fs11665-022-07776-3&partnerID=40&md5=77a56f2729c37d15df6d984f2b960000
Study of Ohmic breakdown and burnthrough phase of ADITYA tokamak	Patel S., Pandit Deendayal Energy University, Gandhinagar, 382 426, India; Tanna R.L., Institute for Plasma Research, Gand	Physical Sciences	Physics of Plasmas	2023	0	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179893291&doi=10.1063%2f5.0169732&partnerID=40&md5=7ff691e4bac38e08a4378279558b749d
Experimental Studies on the Roles of Space Charge Neutralization in a Ring Cusp Ion Source	Rawat B.S., Institute for Plasma Research, Gujarat, Gandhinagar, 382428, India, Training School Complex, Homi Bhabha Na	Physical Sciences	IEEE Transactions on Plasma Science	2023	0	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168756917&doi=10.1109%2fTPS.2023.3302419&partnerID=40&md5=61848d63d22c316991ebca4d7315c1c9
Simulation of silicon etching in NF3 plasma reactor	Swami H.L., Institute for Plasma Research, Gandhinagar, 382 428, India; Mehta V., Institute for Plasma Research, Gandhina	Engineering Sciences	Pramana - Journal of Physics	2023	0	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163739334&doi=10.1007%2fs12043-023-02579-0&partnerID=40&md5=418dc00e6290d86a07f61ea69633dc47
Applied Plasma Physics Experiments in Linear (APPEL) device for plasma surface interaction studies	Patil Y., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India; Karkari S.K., Institute for Plasma Researc	Physical Sciences	Fusion Engineering and Design	2023	1	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175302246&doi=10.1016%2fj.fusengdes.2023.114056&partnerID=40&md5=78d7e170ff4fc1e5d42d228bad8fa4f2
Overview of the Experimental Helium Cooling (EHCL) system	Yadav B.K., Institute for Plasma Research, Bhat, Gandhinagar, India; Gandhi A., Institute for Plasma Research, Bhat, Gandh	Engineering Sciences	Fusion Engineering and Design	2023	0	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173090813&doi=10.1016%2fj.fusengdes.2023.114006&partnerID=40&md5=c66c934d95a19c9cd539a410121a9dd1
Physics design of 14 MeV neutron generator facility at the Institute for Plasma Research	Swami H.L., Institute for Plasma Research, Gandhinagar, 382428, India; Vala S., Institute for Plasma Research, Gandhinaga	Engineering Sciences	Plasma Science and Technology	2023	2	1009-0630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173115682&doi=10.1088%2f2058-6272%2face6da&partnerID=40&md5=d41417513c126d5d5cafcfe03299481c
A case study of thermal mixing behavior of hot and cold fluid in T-junction with/without mixing jets	Rimza S., Fusion Blanket Division, Blanket Cooling Section, Institute for Plasma Research (IPR), Bhat, Gandhinagar, 382428	Engineering Sciences; Physical Sciences	Case Studies in Thermal Engineering	2023	1	2214-157X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171567631&doi=10.1016%2fj.csite.2023.103417&partnerID=40&md5=909a1b0b9cedb098838235208ddc379d
Interaction of a precursor soliton with wake structure in a flowing dusty plasma	Kumar K., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar Gujarat, Bhat, 382428, India	Physical Sciences	Physics of Plasmas	2023	1	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164296070&doi=10.1063%2f5.0149355&partnerID=40&md5=87939a6939d574a69788d4c364d3cb33
3D computational fluid dynamics analysis of PINI ion source back plate under high heat flux condition	Patel T., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India; Jana M.R., Institute for Plasma Researcl	Physical Sciences	Fusion Engineering and Design	2023	2	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160522112&doi=10.1016%2fj.fusengdes.2023.113841&partnerID=40&md5=8103c7e9e06ccef6a12a636d28edf61d
Effect of inlet/outlet height difference on P-Q characteristics of an electromagnetic pump for heavy liquid metals	Sahu S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India; Tailor H., Institute for Plasma Research,	Physical Sciences	Fusion Engineering and Design	2023	1	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175149236&doi=10.1016%2fj.fusengdes.2023.114051&partnerID=40&md5=b2e7d75146f3a92658300af112ee67a4
Shielded ionisation discharge (SID) probe for spatiotemporal profiling of pulsed molecular beam	Patel M., Institute for Plasma Research, Gujarat, Near Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, T	Physical Sciences	Review of Scientific Instruments	2023	0	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174904290&doi=10.1063%2f5.0157454&partnerID=40&md5=cd30031c89553642dcb8908de20d465b
Experience of pumping the vacuum vessel of SST-1 during the baking cycle with indigenously developed liquid nitroge	Gupta V., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India; Mukherjee S.S., Institute for Plasma Research,	Engineering Sciences; Physical Sciences	Fusion Engineering and Design	2023	0	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169788143&doi=10.1016%2fj.fusengdes.2023.113950&partnerID=40&md5=4ad9ab1c9afcb73d3d06c807ae530d6a
Improving electrochemical sensitivity of screen-printed carbon electrodes by atmospheric pressure plasma jet treatm	Barman K., Department of Physics, Indian Institute of Technology, Kanpur, India; Luhar S., Analytical & Environmental Scie	Chemical Sciences; Physical Sciences	Plasma Processes and Polymers	2023	3	1612-8850	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142687360&doi=10.1002%2fppap.202200161&partnerID=40&md5=c08751c42aa15569bf9021c6c2f60872
Thermostructural Analysis of Large Cryopumping Test Facility	Agravat H.S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382 428, India; Mukherjee S.S., Institute for Plasm	Physical Sciences	Fusion Science and Technology	2023	0	1536-1055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153237609&doi=10.1080%2f15361055.2023.2178252&partnerID=40&md5=efadf473d0962d157d2a9d6057825284
Confinement controlled dynamical structural rearrangement in a quasi-2D dusty plasma crystal	Singh S., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar, Bhat, 382428, India; Bandyo	Physical Sciences	Physics of Plasmas	2023	0	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158165654&doi=10.1063%2f5.0147850&partnerID=40&md5=4c2a0307746793772f131c274a8c24c2
Phase switching phenomenon in a system of three coupled DC glow discharge plasmas	Chaubey N., Institute for Plasma Research, Gandhinagar, 382428, India; Kumar Shaw P., Raja Peary Mohan College, Univer	Physical Sciences	Chaos	2023	0	1054-1500	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150182135&doi=10.1063%2f5.0130226&partnerID=40&md5=c7db222920cba0555777406878d1a6b3

Study of two-electron temperature plasma sheath using non-extensive electron distribution in presence of an externa	Sharma G., Centre of Plasma Physics, Institute for Plasma Research, Nazirakhat, Sonapur, Kamrup(M), Assam, 782402, Ind	Physical Sciences	AIP Advances	2023	4	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146422632&doi=10.1063%2f5.0128420&partnerID=40&md5=cbfa1c4c066e13fa409ac37830f59685
Investigation of Temporal Evolution of Hard X-Ray Spectrum from Neon-Seeded Plasma of ADITYA-U Tokamak	Purohit S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhaba National Institute, Traini	Engineering Sciences; Physical Sciences	Plasma and Fusion Research	2023	0	1880-6821	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174898742&doi=10.1585%2fPFR.18.2402079&partnerID=40&md5=498085e6e9ccf9874b43e64fa25f0836
Study of plasma sheath in the presence of dust particles in a magnetic mirror-like field configuration	Deka K., Centre of Plasma Physics, Institute for Plasma Research, Assam, Sonapur, 782402, India; Sharma G., Centre of Pla	Physical Sciences	Physica Scripta	2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150453147&doi=10.1088%2f1402-4896%2facc0b4&partnerID=40&md5=9243099f783f7f6b23ed2cf2af900d0a
Power exhaust and core-divertor compatibility of the baffled snowflake divertor in TCV	Gorno S., Swiss Plasma Center (SPC), Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland; Colandrea	Physical Sciences	Plasma Physics and Controlled Fusion	2023	4	0741-3335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147324636&doi=10.1088%2f1361-6587%2facad26&partnerID=40&md5=5590d7d0b707a49b89dac5f8a40e8960
Transition of a 2D crystal to a non-equilibrium two-phase coexistence state	Singh S., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar, Bhat, 382428, India; Bandyo	Physical Sciences	Physics of Plasmas	2023	5	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153227011&doi=10.1063%2f5.0139228&partnerID=40&md5=bb641ac9c4dd4cb9e9caba9b8e2ae18c
Lane formation in 3D driven pair-ion plasmas: II Non-Parallel External Forcing	Prajapati V.K., Department of Physics, School of Basic Sciences, Assam Kaziranga University, Assam, Jorhat, Â 785006, Indi	Physical Sciences	Journal of Plasma Physics	2023	1	0022-3778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160785559&doi=10.1017%2fS0022377823000387&partnerID=40&md5=c7e2f47abcc51093ae2c3267c546b26a
Application of similarity theory to predict operational characteristics of a DC plasma torch under low-pressure conditi	Mohanta R.K., Institute for Plasma Research, Gujarat, Gandhinagar, 382 428, India, Homi Bhabha National Institute, Maha	Physical Sciences	European Physical Journal D	2023	0	1434-6060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160930519&doi=10.1140%2fepjd%2fs10053-023-00677-7&partnerID=40&md5=90d8d022b1d14899d15b9f349a454829
Ion-driven destabilization of a toroidal electron plasma - A 3D3V PIC simulation	Khamaru S., Institute for Plasma Research, Gandhinagar, Bhat, 382428, India, Homi Bhabha National Institute, Training Sc	Physical Sciences	Physics of Plasmas	2023	0	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153065539&doi=10.1063%2f5.0112962&partnerID=40&md5=45757d030f0fae76a2abb6856c3a2a64
Rheological behavior of dilute graphene-water nanofluids using various surfactants: An experimental evaluation	Ebrahim S.A., Mechanical Engineering Department, College of Engineering and Petroleum, Kuwait University, P.O. Box 596	Physical Sciences	Journal of Molecular Liquids	2023	11	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145769794&doi=10.1016%2fj.molliq.2022.120987&partnerID=40&md5=7baf8e5c04d353a7e4e535f484325b81
Methotrexate degradation in artificial wastewater using non-thermal pencil plasma jet	Rathore V., Atmospheric Plasma Division, Institute for Plasma Research (IPR), Gujarat, Gandhinagar, 382428, India, Homi E	Chemical Sciences	Environmental Science and Pollution Research	2023	4	0944-1344	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163834678&doi=10.1007%2fs11356-023-28502-z&partnerID=40&md5=cba328572ee99de01ed630e4d795675d
Design, development, and analysis of 1 to 4, anti-phase in-line RF power splitter for low-frequency ISM band applicati	Senjaliya C., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382428, India, Homi Bhabha National Institute, Anu	Physical Sciences	AIP Advances	2023	0	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158009548&doi=10.1063%2f5.0137286&partnerID=40&md5=19b003d5a25fe172773abaabdb75ee47
Scaling of Anisotropic Wetting Behavior of Water Drop Configuration Arising from Parallel Groove-Textured Stainless S	Sureshvarr K., Department of Chemical Engineering, National Institute of Technology, Tamil Nadu, Tiruchirappalli, 620015,	Engineering Sciences	Journal of Bio- and Tribo-Corrosion	2023	2	2198-4220	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141088960&doi=10.1007%2fs40735-022-00725-6&partnerID=40&md5=15f304baebbbe1fdd4951a1767fdae1a
Deep learning assisted microwave-plasma interaction based technique for plasma density estimation	Ghosh P., Group in Computational Science and HPC, DA-IICT, Gandhinagar, 382007, India; Chaudhury B., Group in Comput	Physical Sciences	Journal of Physics D: Applied Physics	2023	3	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175399985&doi=10.1088%2f1361-6463%2facfdb6&partnerID=40&md5=321e5e94e18857eac8c2f98de688dc67
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Effect of Helium Ion Irradiation on FP479 Graphite	Dutta N.J., Centre of Plasma Physics—Institute for Plasma Research, Sonapur, India; Ranjan M., Facilitation Centre	Physical Sciences	IEEE Transactions on Plasma Science	2023	0	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179803646&doi=10.1109%2fTPS.2023.3336332&partnerID=40&md5=0a4a0a08e397c28734f4caf816ba93b3
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Quasi-localized charge approximation approach for the nonlinear structures in strongly coupled Yukawa systems	Kumar P., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training Scho	Physical Sciences	Physics of Plasmas	2023	2	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149914753&doi=10.1063%2f5.0121733&partnerID=40&md5=6fd1431c16cb92a7566fbcb455d93d8d
Leaky Mode Analysis of Solid Dielectric Horn Antenna	Menon S.S., Department of Electronics, Cochin University of Science and Technology, Cochin, 682022, India; Kalra S., Ants	Engineering Sciences	Progress In Electromagnetics Research M	2023	0	1937-8726	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178147058&doi=10.2528%2fPIERM23072201&partnerID=40&md5=fec07d5b4571745fe544905d54bfa44c
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Functional estimation of space and time varying thermal properties using modified conjugate gradient method	Sathavara P., Department of Mechanical and Aero-Space Engineering, Institute of Infrastructure Technology Research and	Engineering Sciences	International Journal of Thermal Sciences	2023	3	1290-0729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144633087&doi=10.1016%2fj.ijthermalsci.2022.108116&partnerID=40&md5=56a820016a39bc87942fdd1cd7c3cf30
Development of a Fast Valve Assisted Mechanical Launcher for Cryogenic Pellets)	MISHRA J.S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India; PANCHAL P., Institute for Plasma R	Physical Sciences	Plasma and Fusion Research	2023	0	1880-6821	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171557892&doi=10.1585%2fpfr.18.2405076&partnerID=40&md5=8aba65bd1916984e9e3843ce6315a9d5
Characterization of Plasma Discharge in a Multi Dipole Line Cusp Magnetic Field Created by an RF Source Coupled by a	Ansari M.A., Institute for Plasma Research, Gujarat, Gandhinagar, 382428, India; Patel A.D., Institute for Plasma Research,	Physical Sciences	IEEE Transactions on Plasma Science	2023	1	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149815644&doi=10.1109%2fTPS.2023.3251384&partnerID=40&md5=d52c893047821330429ee98d894243d6
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Optimization of input parameters of ANN–driven plasma source through nature-inspired evolutionary algorithms	Shukla V., Department of Electrical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar,	Physical Sciences	Intelligent Systems with Applications	2023	9	2667-3053	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148330907&doi=10.1016%2fj.iswa.2023.200200&partnerID=40&md5=9b01d704b569f710aa1933dee825ff19
Test Results of a Prototype HTS Current Lead With MgB2and NbTi Superconducting Joints	Bairagi N., Institute for Plasma Research, Gandhinagar, 382 428, India, Homi Bhaba National Institute, Mumbai, 400 085, I	Engineering Sciences; Physical Sciences	IEEE Transactions on Applied Superconductivity	2023	2	1051-8223	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151520762&doi=10.1109%2fTASC.2023.3258979&partnerID=40&md5=3e3af6fb8256fb02762845441a860f75
High Heat Flux Testing of Brazed W/CuCrZr Monoblock in High Heat Flux Test Facility	Bhope K., Institute for Plasma Research, Gandhinagar, Bhat, 382428, India; Menon V., Institute for Plasma Research, Gand	Physical Sciences	Fusion Science and Technology	2023	0	1536-1055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175196528&doi=10.1080%2f15361055.2023.2260536&partnerID=40&md5=0142cb5e59040bb1573d1cbb9539b750
Synthetic data generation using generative adversarial network for tokamak plasma current quench experiments	Dave B., Group in Computational Science and HPC, Dhirubhai Ambani Institute of Information and Communication Techno	Physical Sciences	Contributions to Plasma Physics	2023	3	0863-1042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143493419&doi=10.1002%2fctpp.202200051&partnerID=40&md5=f8fb04ef6cda60e72edc20a35a1af423
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Bifurcation behaviour of resonant magnetic perturbation control of edge localized modes in tokamaks: nonlinear simu	Thyagaraja A., Astrophysics Group, Bristol University, Bristol, BS8 1TL, United Kingdom; Sen A., Institute for Plasma Resear	Physical Sciences	Philosophical Transactions of the Royal Society A: Mathematical, Physical	2023	1	1364-503X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145344654&doi=10.1098%2frsta.2022.0161&partnerID=40&md5=dd10fc8e3652f732f6817b9c1704cf00
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Modulational instability of a Yukawa fluid excitation under the Quasi-localized charged approximation (QLCA) framew	Dalui S., Institute for Plasma Research, HBNI, Bhat, Gandhinagar, 382428, India; Kumar P., Institute for Plasma Research, H	Physical Sciences	Physica Scripta	2023	2	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146424768&doi=10.1088%2f1402-4896%2facafae&partnerID=40&md5=9ab9dbe448b0fa89269c0c9eaa49d786
Experimental investigation of rarefied flows through supersonic nozzles	Patel M., Institute for Plasma Research, Near Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute,	Physical Sciences	Vacuum	2023	3	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150341168&doi=10.1016%2fj.vacuum.2023.111909&partnerID=40&md5=26aa7e395a9c3723119b6254a06c5b9b
Plasma fireball-mediated ion implantation for nonvolatile memory application	Sudheer, FCIPT, Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382 428, India; Pachchigar V., FCIPT, Institute f	Physical Sciences	Applied Surface Science	2023	2	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138471185&doi=10.1016%2fj.apsusc.2022.154999&partnerID=40&md5=faa41589cb8d5a90a40c9bfceaf9d86f
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Study of magnetized multi-component plasma sheath containing charged dust particles in presence of oblique magne	Shaw A.K., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382 428, India, Department of Energy Science and Er	Physical Sciences	Physica Scripta	2023	1	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144326852&doi=10.1088%2f1402-4896%2faca058&partnerID=40&md5=091361e32207392dd1b2f85d170fdb3a
Au/Ag SERS active substrate for broader wavelength excitation	Augustine S., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, 2nd Floor, BARC	Physical Sciences	Optical Materials	2023	13	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144089034&doi=10.1016%2fj.optmat.2022.113319&partnerID=40&md5=e543fd0f915cddc94f727b83a6a1ba88
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Role of clusterin gene 3’-UTR polymorphisms and promoter hypomethylation in the pathogenesis of pseudoexfoliatio	Kapuganti R.S., School of Biological Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, I	Life Sciences	Biochimica et Biophysica Acta - Gene Regulatory Mechanisms	2023	2	1874-9399	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170564461&doi=10.1016%2fj.bbagrm.2023.194980&partnerID=40&md5=b0ca06e66ac9f32402c7d39b22b1acde
Fabrication of Ni-NiBi 3 ferromagnet-superconductor nano particles	Nanda L., School of Physical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, An OCC	Physical Sciences	Journal of Nanoparticle Research	2023	0	1388-0764	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178195595&doi=10.1007%2fs11051-023-05877-1&partnerID=40&md5=aa5ec97ce976d80c883aadd607f56bb5
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Robust Optical Detection of Ga3+ by a Rhodamine- and Coumarin-Based Proficient Probe: Theoretical Investigations a	Panda S.K., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Khordha, 752050, India; Sahu R.P., Scho	Life Sciences	ACS Applied Bio Materials	2023	1	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179153183&doi=10.1021%2facsabm.3c00772&partnerID=40&md5=be56126b7f3230223919d6d26b1d0b3d
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Anyonic quantum symmetries of finite spaces	Anshu, Department of Mathematics and Statistics, York University, Ross Bldg, 4700 Keele St, Toronto, M3J 1P3, ON, Canad	Mathematical Sciences	Letters in Mathematical Physics	2023	1	0377-9017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176139484&doi=10.1007%2fs11005-023-01736-1&partnerID=40&md5=9d207c4cee9dd04b62da5211b36c84f6
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Geochemical and Photochemical Constraints on S[IV] Concentrations in Natural Waters on Prebiotic Earth	Ranjan S., Lunar & Planetary Laboratory/Department of Planetary Sciences, University of Arizona, Tucson, AZ, United State	Mathematical Sciences	AGU Advances	2023	3	2576-604X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179996322&doi=10.1029%2f2023AV000926&partnerID=40&md5=2a33eb2588cb72e072120ac38c14b38b
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Theoretical analysis of multimagnon excitations in resonant inelastic x-ray scattering spectra of two-dimensional antif	Pal S., School of Physical Sciences, National Institute of Science Education and Research, CI of Homi Bhabha National Instit	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179469916&doi=10.1103%2fPhysRevB.108.214405&partnerID=40&md5=1ab3036661b0786c5247838c5d1d5f7f
28π Non-Fused Hexaphyrin: Synthesis, Protonation Triggered Möbius Aromaticity and Structural Properties	Dash S., Univ Rennes, CNRS, ISCR (Institut des Sciences Chimiques de Rennes), UMR 6226, Rennes, 35000, France; Ghosh A	Chemical Sciences	European Journal of Organic Chemistry	2023	0	1434-193X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175616197&doi=10.1002%2fejoc.202300870&partnerID=40&md5=8409c305848b2e96976dee6b1b6a2206
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One-pot three-component synthesis of α-methylated ketones from secondary and primary aryl alcohols	Samser S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar, an O	Chemical Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180573362&doi=10.1039%2fd3nj05498e&partnerID=40&md5=2236e8af6c6f42b141238c3f5ae9c47c

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Correlation of interfacial and dielectric characteristics in atomic layer deposited Al2O3/TiO2 nanolaminates grown wit	Padhi P.S., Oxide Nano Electronics Lab., Laser Material Processing Division, Raja Ramanna Centre for Advanced Technolog	Physical Sciences	Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films	2023	3	0734-2101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171292745&doi=10.1116%2f6.0002849&partnerID=40&md5=ef6a68819fa7b117741e2acff0fba9a3
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Modulation of TRPM8 alters the phagocytic activity of microglia and induces changes in sub-cellular organelle functio	Shikha D., School of Biological Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha Na	Life Sciences	Biochemical and Biophysical Research Communications	2023	2	0006-291X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172880365&doi=10.1016%2fj.bbrc.2023.09.078&partnerID=40&md5=a3dca66028688f172fbabf90eb25258d
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Deciphering the Role of Anions of Ionic Liquids in Modulating the Structure and Stability of ct-DNA in Aqueous Solutio	Mahapatra A., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Jatani, Khurda, C	Chemical Sciences	Langmuir	2023	1	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178629762&doi=10.1021%2facs.langmuir.3c02459&partnerID=40&md5=74f83a7b77acfde85e91a62737901540
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Elliptic flow of heavy-flavor decay electrons in Au+Au collisions at sNN = 27 and 54.4 GeV at RHIC	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, College Stat	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	2	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174949211&doi=10.1016%2fj.physletb.2023.138071&partnerID=40&md5=55e898454565017fa006033381bf6099
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N-Heterocyclic carbene catalyzed base assisted C-C bond cleavage of cyclopropenones: an approach towards diastere	Nanda T., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhubaneswa	Chemical Sciences	Organic Chemistry Frontiers	2023	1	2052-4110	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176133472&doi=10.1039%2fd3qo01328f&partnerID=40&md5=f03ab6d85ec4e74f82d4af159e362f09
Defect Induced Unconventional Ferromagnetism in Au Intercalated Bi2Se3 Nanocrystals for Spintronic Applications	Das S.K., School of Physical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, An OCC c	Physical Sciences	Advanced Quantum Technologies	2023	1	2511-9044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168623494&doi=10.1002%2fqute.202300169&partnerID=40&md5=e618a261b278ca0f2ee78cfd183dc41f
Nilpotent Lie algebras with two centralizer dimensions over a finite field	Kundu R., Indian Institute of Science Education and Research Mohali, Knowledge City, Sector 81, Mohali, 140 306, India; N	Mathematical Sciences	Journal of Algebra	2023	0	0021-8693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164684044&doi=10.1016%2fj.jalgebra.2023.06.013&partnerID=40&md5=ab53e43432e9fb428e794d463b2a2acd
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Menthol causes mitochondrial Ca2+-influx, affects structure-function relationship and cools mitochondria	Kumar S., National Institute of Science Education and Research Bhubaneswar, School of Biological Sciences, P.O. Jatni, Odi	Life Sciences	Life Sciences	2023	3	0024-3205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171549044&doi=10.1016%2fj.lfs.2023.122032&partnerID=40&md5=af4403fd3ebadcbba8e496258b1fdc57
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PBH formation in EFT of single field inflation with sharp transition	Choudhury S., Centre For Cosmology and Science Popularization (CCSP), SGT University, Gurugram, Haryana, Delhi - NCR,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	43	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168946956&doi=10.1016%2fj.physletb.2023.138123&partnerID=40&md5=6bf9e6b9d6f5c2a21974637cabdbab9b
Butterfly wing type new push-pull A-π-D-π-A organic fluorophore: synthesis, photophysical, DFT and nonlinear optical	Alagumalai A., Organic and Perovskite Photovoltaics Laboratory (OPPV), Department of Chemistry, SRM Institute of Scienc	Chemical Sciences	New Journal of Chemistry	2023	2	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173028951&doi=10.1039%2fd3nj03252c&partnerID=40&md5=7670df97a52e81169d02b011d97c7f5d
Direct Synthesis of Aldoximes: Ruthenium-Catalyzed Coupling of Alcohols and Hydroxylamine Hydrochloride	Manikpuri D., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi	Chemical Sciences	Chemistry - An Asian Journal	2023	0	1861-4728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171264659&doi=10.1002%2fasia.202300678&partnerID=40&md5=7f1f24dddffc9b1b642417dac0d5fb32
Study of vibrational modes of MeV Ni ion implanted MgO crystal	Bhakta S., School of Physical Sciences, National Institute of Science Education and Research, Bhubaneswar, An OCC of Hon	Physical Sciences	Vibrational Spectroscopy	2023	0	0924-2031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175002746&doi=10.1016%2fj.vibspec.2023.103603&partnerID=40&md5=fb0b9ace186c6f69028c133839bfd39c
Ruthenium-Catalyzed Selective α-Alkylation of β-Naphthols using Primary Alcohols: Elucidating the Influence of Base a	Vijaya Sankar R., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Ho	Chemical Sciences	Chemistry - A European Journal	2023	5	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170715730&doi=10.1002%2fchem.202302102&partnerID=40&md5=91cbaba4f1f900db94e9247f0a85c68e
Cathodoluminescence and structural properties of ZnTe nanocrystals synthesized from Te/ZnO thin films	Ghosh K., School of Physical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha Natio	Physical Sciences	Journal of Alloys and Compounds	2023	5	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163352732&doi=10.1016%2fj.jallcom.2023.170655&partnerID=40&md5=fc6895bccaa9322c9fabe613ebf2f530
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Electron Transfer from an Optically Pumped Polyhedral Perovskite Nanocrystal to Pristine Fullerene	Acharjee D., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi B	Applied Systems Analysis; Chemical Scie	Journal of Physical Chemistry C	2023	2	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175353146&doi=10.1021%2facs.jpcc.3c04800&partnerID=40&md5=54077dff13f3fef586aced3dccc616ab
Formation of diamond and lonsdaleite in ureilites by impact shock processing of graphite	Rout S.S., School of Earth and Planetary Sciences, National Institute of Science Education and Research, Khorda, India, Hor	Physical Sciences	Meteoritics and Planetary Science	2023	0	1086-9379	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173451275&doi=10.1111%2fmaps.14082&partnerID=40&md5=c65846f9877b845534d69bbc5b3e0227
Koecher–Maass series have infinitely many critical zeros	Meher J., School of Mathematical Sciences, National Institute of Science Education and Research, Bhubaneswar, An OCC o	Mathematical Sciences	Bulletin of the London Mathematical Society	2023	0	0024-6093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158158896&doi=10.1112%2fblms.12846&partnerID=40&md5=569b95cf54cee1ec6016d8a9ed4106dc
ON THE NUMBER OF ALGEBRAIC POINTS ON THE GRAPH OF THE WEIERSTRASS SIGMA FUNCTIONS	Sena G.P., National Institute of Science Education and Research, An Occ of Homi Bhabha National Institute, Odisha, Bhuba	Mathematical Sciences	Bulletin of the Australian Mathematical Society	2023	0	0004-9727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171759395&doi=10.1017%2fS0004972722001575&partnerID=40&md5=91479d7360a7c1a530bfc65341e99fe0
Unveiling protonated form of 2,6-di-m-phenylpyridine embedded isosmaragdyrin analogue and its organo-Pd(ii) comp	Pradhan S.R., National Institute of Science Education and Research (NISER), An OCC of Homi Bhabha National Institute, Od	Chemical Sciences	New Journal of Chemistry	2023	0	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175536977&doi=10.1039%2fd3nj03432a&partnerID=40&md5=8e49def0413193b7127764636e70f294
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Critical assessment of selenourea as an efficient small molecule fluorescence quenching probe to monitor protein dyn	Jena S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), PO-Bhimpur-Padanpur	Chemical Sciences; Physical Sciences	Chemical Science	2023	3	2041-6520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174501973&doi=10.1039%2fd3sc04287a&partnerID=40&md5=305c7c48e1a1a859ed2871a6174d1db4
Free-Base Corrole Anion	Tarai A., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar, 75205C	Chemical Sciences	Journal of Organic Chemistry	2023	1	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171583032&doi=10.1021%2facs.joc.3c01125&partnerID=40&md5=713759d1c44ce5a2634a05657a0bd5b9
New cationic coinage metal complexes featuring silyl group functionalized phosphine: syntheses, structures and catal	Sahoo A.K., Department of Chemical Sciences; Indian Institute of Science Education and Research Berhampur; Transit Cam	Chemical Sciences	Dalton Transactions	2023	1	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173975066&doi=10.1039%2fd3dt01692g&partnerID=40&md5=595c387f37b152c29e15dbe8ebfd8b9e
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Charge transfer energy and band filling effects on two-hole Auger resonances in strongly correlated systems	Prabhakar, School of Physical Sciences, National Institute of Science Education and Research, A CI of Homi Bhabha Nationa	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174019125&doi=10.1103%2fPhysRevB.108.165103&partnerID=40&md5=8b79a0117b79bae1bf6eda2e0ee1397a
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Investigation of the Effect of Solvents on the Synthesis of Aza-flavanone from Aminochalcone Facilitated by Halogen B	Maharana R.R., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Odisha, Argul, 752050, India; Bhanj	Chemical Sciences	ACS Omega	2023	1	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172691130&doi=10.1021%2facsomega.3c04207&partnerID=40&md5=88ec121d7a304d877499d1bb9cfa241c
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Fluorescent 2′-Deoxyuridine (dU) Analogue: Tropolonyl triazolyl -dU (tt -dU) Exhibits Solvatochromism/HeLa Cell Inter	Meher S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Jatani, Odisha, Bhub	Chemical Sciences	Synlett	2023	0	0936-5214	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175823822&doi=10.1055%2fa-2201-3756&partnerID=40&md5=b7d768609aad666d02113d5dbab1be42
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Synthesis, photophysical properties, bioimaging potential and in vitro toxicity studies of naphthalimide imidazole bord	Chinta R.V.R.N., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar,	Chemical Sciences; Life Sciences	New Journal of Chemistry	2023	2	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166265232&doi=10.1039%2fd3nj02622a&partnerID=40&md5=a08a81ea3118ec072b292c82943835a9
Molecular Dynamics Studies of Mixtures of a Deep Eutectic Solvent and Cosolvents	Panda D.K., School of Chemical Sciences, National Institute of Science Education & Research, An OCC of Homi Bhabha Nati	Chemical Sciences	Journal of Computational Biophysics and Chemistry	2023	0	2737-4165	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167587011&doi=10.1142%2fS2737416523500369&partnerID=40&md5=420f9c68413840f8f9298fc7c9a8cfca
Synthesis, structural, and photophysical properties of pyrazolyl bis(pentafluorophenyl)boron complexes	Murali A.C., School of Chemical Sciences, National Institute of Science Education and Research (NISER), an OCC of Homi Bh	Chemical Sciences	New Journal of Chemistry	2023	2	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173064012&doi=10.1039%2fd3nj03025c&partnerID=40&md5=4861948706c5c5726056e9d5d11b6f9e
Effect of Choline Amino Acid-Based Ionic Liquids on Stability and Structure of Hemoglobin	Devi Tulsiyan K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Jatni, Khurda,	Chemical Sciences	ChemPhysChem	2023	3	1439-4235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163049421&doi=10.1002%2fcphc.202300201&partnerID=40&md5=d8ce968fd582621c7b9d7a85f032c0d2
Structure and magnetic properties of an amine-templated one-dimensional cobalt-fluoro-sulfate containing Co4F4 cu	Sahoo M.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), an OCC of Homi Bh	Chemical Sciences	Dalton Transactions	2023	1	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167356611&doi=10.1039%2fd3dt01789c&partnerID=40&md5=e08f76fbb452183f48ea9ea69421217f
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Dicationic copper(i) complexes bearing ENE (E = S, Se) pincer ligands; catalytic applications in regioselective cyclizatio	Das B., Department of Chemical Sciences, Indian Institute of Science Education and Research Berhampur, Industrial Traini	Chemical Sciences	Dalton Transactions	2023	1	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169507098&doi=10.1039%2fd3dt01989f&partnerID=40&md5=ed8fccbe29758c66ad6c8c137f2bbf84
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Chemodivergent Chalcogenation of Aryl Alkynoates or N-Arylpropynamides Using 9-Mesityl-10-Methylacridinium Per	Mathuri A., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, An C	Chemical Sciences	Journal of Organic Chemistry	2023	6	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164658779&doi=10.1021%2facs.joc.3c00926&partnerID=40&md5=e0af6a156259f42a43acd4327ba00326
Cu(OTf)2 Enhanced Intramolecular Nucleophilic N-Arylation of 2-Amino-3-arylquinolines	Bhattacharya A., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar,	Chemical Sciences; Engineering Science	Journal of Organic Chemistry	2023	3	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164375414&doi=10.1021%2facs.joc.3c00645&partnerID=40&md5=cd641f311f6bcc6ad1ca92704d9f63a4
Spectroscopic and Computational Study of the Organocatalytic Umpolung of Bromocations: An Accelerated Stereosel	Panda J., Department of Chemistry, National Institute of Technology Rourkela, Odisha, Rourkela, 769008, India; Sahoo J., I	Chemical Sciences	Chemistry - A European Journal	2023	1	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165058288&doi=10.1002%2fchem.202300675&partnerID=40&md5=a30fc3f2e7374096b479cc5dfdbeba26
BUDS+: Better Privacy with Converger and Noisy Shuffling	Sengupta P., University of Oslo, Norway; Paul S., Umea University, Sweden; Mishra S., National Institute of Science Educat	Mathematical Sciences	Digital Threats: Research and Practice	2023	0	2576-5337	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170651265&doi=10.1145%2f3491259&partnerID=40&md5=baee336945475888493273d6b78e47ca
World War II, Sex and Antibiotics - II	Mishra D.; Puthethu I.A.; Mitra N., School of Biological Sciences, National Institute of Science, Education and Research, Bh	Life Sciences	Resonance	2023	0	0971-8044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168435961&doi=10.1007%2fs12045-023-1657-6&partnerID=40&md5=0a03e283b5eb6b3a018008b0be3e6607
Selective aerobic oxidation of biomass model compound veratryl alcohol catalyzed by air-stable copper(ii) complexes	Jana N.C., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bha	Chemical Sciences	Catalysis Science and Technology	2023	6	2044-4753	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170437868&doi=10.1039%2fd3cy00671a&partnerID=40&md5=57d0ef9930c540d053a60230e3876ddd
Zinc Hydride-Catalyzed Dihydroboration of Isonitriles and Nitriles: Mechanistic Studies with the Structurally Character	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabha Natio	Chemical Sciences	Organometallics	2023	2	0276-7333	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169159188&doi=10.1021%2facs.organomet.3c00281&partnerID=40&md5=b7a2d38d670fdd8340906dd7845fd010
N-Salicyl-AAn-picolamide Foldameric Peptides Exhibit Quorum Sensing Inhibition of Pseudomonas aeruginosa (PA14)	Panda S.S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhubanesw	Chemical Sciences; Life Sciences	ACS Omega	2023	2	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168441563&doi=10.1021%2facsomega.3c03404&partnerID=40&md5=bf82217527020d13d332ddd83c39bff6
Galileon inflation evades the no-go for PBH formation in the single-field framework	Choudhury S., Centre For Cosmology and Science Popularization (CCSP), SGT University, Haryana Delhi- NCR, Gurugram, 1	Physical Sciences	Journal of Cosmology and Astroparticle Physics	2023	28	1475-7516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170691502&doi=10.1088%2f1475-7516%2f2023%2f08%2f078&partnerID=40&md5=95d57a8dc2d58d8726dc223bdb707989
Development of a large-mass, low-threshold detector system with simultaneous measurements of athermal phonons	Chaudhuri M., School of Physical Sciences, National Institute of Science Education and Research, Jatni, 752050, India, Hom	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160200706&doi=10.1016%2fj.nima.2023.168374&partnerID=40&md5=50711779a01e061b7cc10cc1c60c0ffc
Optimization of the superconducting properties of NbTiN thin films by variation of the N2 partial pressure during sput	Pratap P., CSIR-National Physical Laboratory, New Delhi, 110012, India, Academy of Scientific & Innovative Research (AcSI	Physical Sciences	Superconductor Science and Technology	2023	4	0953-2048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165224217&doi=10.1088%2f1361-6668%2face3fa&partnerID=40&md5=bdc64f6867e0c9005dbdecb1622a6137
Awesome SOSS: Transmission spectroscopy of WASP-96b with NIRISS/SOSS	Radica M., Institut Trottier de Recherche sur les Exoplanètes, Departement de Physique, Universite de Montreal, 1375 Av	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2023	17	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166045757&doi=10.1093%2fmnras%2fstad1762&partnerID=40&md5=c01b17370af81ba3ea16ce9f203f585a
Progesterone interacts with the mutational hot-spot of TRPV4 and acts as a ligand relevant for fast Ca2+-signalling	Dubey N.K., National Institute of Science Education and Research Bhubaneswar, School of Biological Sciences, P.O. Jatni, C	Life Sciences; Mathematical Sciences	Biochimica et Biophysica Acta - Biomembranes	2023	1	0005-2736	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161010665&doi=10.1016%2fj.bbamem.2023.184178&partnerID=40&md5=b9a1ec09fd744216d7147cdebfabcbbf
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Enhancement of Fluorescence Emission Intensity in a Sulfonyl Hydrazide Derivative of tri(biphenyl-4-yl)amine via Solid	Mahto A.K., Department of Chemistry, National Institute of Technology Rourkela, Odisha, Rourkela, 769008, India; Kuldee	Chemical Sciences	ChemistrySelect		2023	1	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166937504&doi=10.1002%2fslct.202301601&partnerID=40&md5=631804eee80ea77bbe242a670be5a3f6
[2+4] Cycloaddition Product of an Amidinate Substituted Dialumene with Toluene	Kumar A., Institut für Anorganische Chemie, Georg-August-Universität Göttingen, Göttingen, 37077, Germany; Yadav K., S	Chemical Sciences	Chemistry - A European Journal		2023	2	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160908358&doi=10.1002%2fchem.202300546&partnerID=40&md5=5a65b41844a434ec9d4cf5f024bd9460
Recurrent generation of maximally entangled single-particle states via quantum walks on cyclic graphs	Panda D.K., School of Physical Sciences, National Institute of Science Education and Research Bhubaneswar, Jatni, 752050,	Physical Sciences	Physical Review A		2023	1	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169291556&doi=10.1103%2fPhysRevA.108.L020401&partnerID=40&md5=01dd39793c64175bd52d67ea62496e2e
Rhodium-Catalyzed Synthesis of 2-Methylindoles via C-N Bond Cleavage of N-Allylbenzimidazole	Biswal P., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, Odisha	Chemical Sciences; Physical Sciences	Journal of Organic Chemistry		2023	1	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162225875&doi=10.1021%2facs.joc.2c03048&partnerID=40&md5=54fbbdc8b441f6fd7cc0a640374e9254
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Zinc-Catalyzed Chemoselective Reduction of Nitriles to N-Silylimines through Hydrosilylation: Insights into the Reactio	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabha Natio	Chemical Sciences	Inorganic Chemistry		2023	4	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166422835&doi=10.1021%2facs.inorgchem.3c00309&partnerID=40&md5=70faac9bdb1871c4e8671a5462f1520c
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Simple and effective screening parameter for range-separated dielectric-dependent hybrids	Jana S., Department of Chemistry and Biochemistry, The Ohio State University, Columbus, 43210, OH, United States; Ghos	Physical Sciences	Physical Review B		2023	2	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164613566&doi=10.1103%2fPhysRevB.108.045101&partnerID=40&md5=a95881dc3c9538d27da3af7b95ab67d1
Synthesis, X-ray structural characterization, and electrochemical investigations on a semiconducting Ni(II) dithiolate w	Dutta A., Department of Chemistry, The University of Burdwan, Burdwan, 713104, India; Mahanta A., Department of Cher	Chemical Sciences	Journal of Chemical Sciences		2023	0	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168486167&doi=10.1007%2fs12039-023-02179-w&partnerID=40&md5=68ed4dd77ad14d180a07ebdc57272685
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Stereoselective Synthesis of Z-Styryl Sulfides from Nucleophilic Addition of Arylacetylenes and Benzyl Thiols	Dinda T.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, An O	Chemical Sciences	Journal of Organic Chemistry		2023	3	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164685705&doi=10.1021%2facs.joc.3c00911&partnerID=40&md5=7605f09e6f81dc70c8c14986955280a0
Synthesis, Characterization, and Singlet Oxygen Sensitization by Antimony (III/V) Corrole Complexes	Mondal S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar, 7520	Chemical Sciences	European Journal of Inorganic Chemistry		2023	3	1434-1948	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164198147&doi=10.1002%2fejic.202300283&partnerID=40&md5=62d21aa0b0191718f88487218bba77ec
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Zinc Catalyzed Hydroelementation (HE; E = B, C, N, and O) of Carbodiimides: Intermediates Isolation and Mechanistic	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabha Natio	Chemical Sciences	Organometallics		2023	11	0276-7333	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150477794&doi=10.1021%2facs.organomet.2c00610&partnerID=40&md5=19aff0c91d8cf24fa35efaf589ac0a62
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Switching global correlations on and off in a many-body quantum state by tuning local entanglement	Benjamin C., School of Physical Sciences, National Institute of Science Education and Research, HBNI, Jatni, 752050, India,	Physical Sciences	Chaos		2023	0	1054-1500	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171696664&doi=10.1063%2f5.0171825&partnerID=40&md5=306fb892b05414ee895fd5a99bfcb246
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A novel algorithm for mapping carbonates using CRISM hyperspectral data	Dhoundiyal S., Centre of Studies in Resources Engineering, Indian Institute of Technology Bombay, Maharashtra, Mumbai,	Physical Sciences	Icarus		2023	0	0019-1035	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163651937&doi=10.1016%2fj.icarus.2023.115504&partnerID=40&md5=c8fd76ab64c13ca05c907024d533c041
Braided Quantum Groups and Their Bosonizations in the C ∗-Algebraic Framework	Roy S., School of Mathematical Sciences, National Institute of Science Education and Research, Jatni, Bhubaneswar, 75205	Mathematical Sciences	International Mathematics Research Notices		2023	2	1073-7928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134003902&doi=10.1093%2fimrn%2frnac151&partnerID=40&md5=678b9d51bda7b12c5b5bb0236c5faf3e
Photochemically produced SO2 in the atmosphere of WASP-39b	Tsai S.-M., Atmospheric, Oceanic and Planetary Physics, Department of Physics, University of Oxford, Oxford, United Kingo	Physical Sciences	Nature		2023	77	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153595106&doi=10.1038%2fs41586-023-05902-2&partnerID=40&md5=06078387dac7b715a1a908f03bc9c756
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Beam Energy Dependence of Triton Production and Yield Ratio (Nt×Np/ Nd2) in Au+Au Collisions at RHIC	Abdulhamid M.I., American University of Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, College S	Physical Sciences	Physical Review Letters		2023	23	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160894317&doi=10.1103%2fPhysRevLett.130.202301&partnerID=40&md5=e56d25d52a5d61e400725f10b8fcdb3d
Harnessing the hydrogen evolution reaction (HER) through the electrical mobility of an embossed Ag(i)-molecular cag	Debnath A., Department of Chemistry, University of North Bengal, Darjeeling, 734013, India; Diyali S., Department of Cher	Chemical Sciences	Dalton Transactions		2023	8	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163890800&doi=10.1039%2fd3dt01073b&partnerID=40&md5=6ac66399aa5ba5f7b830a34272cf4e65
Search for low-mass dark matter via bremsstrahlung radiation and the Migdal effect in SuperCDMS	Albakry M.F., Department of Physics and Astronomy, University of British Columbia, Vancouver, V6T 1Z1, BC, Canada, TRI	Physical Sciences	Physical Review D		2023	6	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164034759&doi=10.1103%2fPhysRevD.107.112013&partnerID=40&md5=2a730fbaa3958e8031fc91c20199f247
Global polarization of Λ and $\bar{\Lambda}$ hyperons in Au+Au collisions at sNN =19.6 and 27 GeV	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, College S	Physical Sciences	Physical Review C		2023	10	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169118736&doi=10.1103%2fPhysRevC.108.014910&partnerID=40&md5=f92110a41d807ccd955f9152859488f5
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Base metal iron catalyzed sustainable oxidation of vanillyl alcohol to vanillic acid in deep eutectic solvents and implem	Ghosh R., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bha	Chemical Sciences; Physical Sciences	RSC Sustainability		2023	2	2753-8125	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175144893&doi=10.1039%2fd3su00114h&partnerID=40&md5=cf09a98eff8727cf04a56d0694fd2d63
Measurements of the Elliptic and Triangular Azimuthal Anisotropies in Central He 3 +Au, d+Au and p+Au Collisions at s	Abdulhamid M.I., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, (	Physical Sciences	Physical Review Letters		2023	5	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164198220&doi=10.1103%2fPhysRevLett.130.242301&partnerID=40&md5=2781cdd63bb13c04b81dd840bf01c48c
Observation of Directed Flow of Hypernuclei H Λ3 and H Λ4 in sNN =3 GeV Au+Au Collisions at RHIC	Aboona B.E., Texas A and M University, College Station, 77843, TX, United States; Adam J., Czech Technical University in P	Physical Sciences	Physical Review Letters		2023	11	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161648733&doi=10.1103%2fPhysRevLett.130.212301&partnerID=40&md5=dad6061fa31666a9084ece2fa2d3cce5
Nash equilibrium mapping vs. Hamiltonian dynamics vs. Darwinian evolution for some social dilemma games in the th	Benjamin C., School of Physical Sciences, National Institute of Science Education and Research, Jatni, 752050, India, Homi	Physical Sciences	European Physical Journal B		2023	3	1434-6028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165771951&doi=10.1140%2fepjb%2fs10051-023-00573-4&partnerID=40&md5=224992592fc2aaae5ac250ff7b8a2c1d
The reaction of NOBF4 with antimony(III) corroles: Fluoride binding to antimony and regioselective nitration of the ma	Mondal S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar, and	Chemical Sciences	Applied Organometallic Chemistry		2023	1	0268-2605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152446691&doi=10.1002%2faoc.7088&partnerID=40&md5=e3c06cafb88341ac2a51f7e75e820df4
Understanding the mechanism of the energy transfer process from non-plasmonic fluorescence bimetallic nanopartic	Akhuli A., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bha	Chemical Sciences	Physical Chemistry Chemical Physics		2023	2	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164238640&doi=10.1039%2fd3cp01447a&partnerID=40&md5=6ac79a01ba68e2e9a62c33b067cac68d
Red-Emitting Tetraphenylethylene-Based Boron Thioketonates: Effect of Substitution and Study of Nonlinear Optical P	Murali A.C., School of Chemical Sciences, National Institute of Science Education and Research (NISER), OCC of Homi Bhab	Chemical Sciences; Physical Sciences	ACS Applied Optical Materials		2023	2	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174660895&doi=10.1021%2facsaom.3c00090&partnerID=40&md5=3540afcbe77fd04aca48a09517d22559
Highly stable multi-encapsulated red-emitting cesium lead halide nanocrystals for efficient copper ion detection and i	Mohapatra A., Department of Engineering and Materials Physics, Institute of Chemical Technology-IndianOil Odisha Camp	Life Sciences	Journal of Alloys and Compounds		2023	9	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149374975&doi=10.1016%2fj.jallcom.2023.169453&partnerID=40&md5=f858e997ceb192f40393a053a37aaeb8
Optimizing spin pumping and spin mixing conductance via Cu spacer layer in Mn2Au/Py system	Bhusan Jena B., Laboratory for Nanomagnetism and Magnetic Materials (LNMM), School of Physical Sciences, National Ins	Physical Sciences	Physica Scripta		2023	0	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163593217&doi=10.1088%2f1402-4896%2facdb9f&partnerID=40&md5=7a8132797abd08250fcf415e6641d741
MOF-Derived Co3S4 Nanoparticles Embedded in Nitrogen-Doped Carbon for Electrochemical Oxygen Production	Sahu N., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bhab	Chemical Sciences	ACS Applied Nano Materials		2023	5	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154600767&doi=10.1021%2facsanm.3c00845&partnerID=40&md5=2b513163ac3a7bc7aaa41486098de7d9
Revisit of multi-dimensional Bohr radius	Kumar S., School of Mathematical Sciences, National Institute of Science Education and Research, Bhubaneswar, An OCC c	Mathematical Sciences	Journal of Mathematical Analysis and Applications		2023	2	0022-247X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147569504&doi=10.1016%2fj.jmaa.2023.127023&partnerID=40&md5=2c6ba33c92eeca90ecf09bce8ae91d22
Carboamination and olefination: ortho C-H functionalization of phenoxyacetamide	Nanda T., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhubaneswa	Chemical Sciences	Chemical Communications		2023	1	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164312846&doi=10.1039%2fd3cc02202a&partnerID=40&md5=19fe3189f51196954f47295c51184727
In-situ monitoring of plasmon-induced nanoscale photocatalytic activity from Au-decorated TiO2 microflowers	Sahoo S., School of Physical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, An OCC	Physical Sciences	Nano Futures		2023	2	2399-1984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160552305&doi=10.1088%2f2399-1984%2faccf54&partnerID=40&md5=5a799b2176567cc7796f5627b14ad3be
Chemical Differentiation around Five Massive Protostars Revealed by ALMA: Carbon-chain Species and Oxygen/Nitrog	Taniguchi K., National Astronomical Observatory of Japan, National Institutes of Natural Sciences, 2-21-1 Osawa, Mitaka, T	Physical Sciences	Astrophysical Journal, Supplement Series		2023	3	0067-0049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163842754&doi=10.3847%2f1538-4365%2facd110&partnerID=40&md5=699e1e0ae51459d1842024ee9f4bd8db
Interaction of the tau fibrils with the neuronal membrane	Chowdhury U.D., School of Chemical Sciences, National Institute of Science Education & Research-Bhubaneswar, An OCC c	Chemical Sciences	Biophysical Chemistry		2023	0	0301-4622	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153399617&doi=10.1016%2fj.bpc.2023.107024&partnerID=40&md5=a1190d5d8c7e74f86e83812efab308fd
Event-by-event correlations between Λ ($\bar{\Lambda}$) hyperon global polarization and handedness with charged hadron azimut	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, College S	Physical Sciences	Physical Review C		2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169100229&doi=10.1103%2fPhysRevC.108.014909&partnerID=40&md5=dd3bcdc3d25ee45c8f9222aadb6a5d0d
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CsPbBr3Perovskite Photocatalyst in Chemodivergent Functionalization of N-Methylalkanamides Using CBr4	Pal B., School of Chemical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha Nation	Chemical Sciences	Organic Letters		2023	7	1523-7060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162766643&doi=10.1021%2facs.orglett.3c01268&partnerID=40&md5=cce8e55dfdf9a6c07c36003170dd5574
Synthesis of N-isoindolinonyl peptides via Pd-catalyzed C(sp2)-H olefination-activation and their conformational studi	Gupta M.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, Odi	Chemical Sciences; Physical Sciences	Organic and Biomolecular Chemistry		2023	1	1477-0520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162198276&doi=10.1039%2fd3ob00742a&partnerID=40&md5=d376528eef45289e780769d7f4629e97
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Examination of thermalization of quarkonia at energies available at the CERN Large Hadron Collider	Kumar D., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400094, India; Sarkar N., School of Physical Science	Physical Sciences	Physical Review C		2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163850419&doi=10.1103%2fPhysRevC.107.064906&partnerID=40&md5=8fe69023f7899581195aedd24785d7d8
Postnatal 14D is the Key Window for Mice Intestinal Development- An Insight from Age-Dependent Antibiotic-Mediat	Pandey U., School of Biological Sciences, National Institute of Science Education and Research (NISER), P.O. Jatni, Odisha, (	Life Sciences	Advanced Biology		2023	2	2701-0198	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159038147&doi=10.1002%2fadbi.202300089&partnerID=40&md5=a449a42dba042b348b8d3e3e656e6b32
Search for the chiral magnetic wave using anisotropic flow of identified particles at energies available at the BNL Relat	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, College S	Physical Sciences	Physical Review C		2023	3	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169108113&doi=10.1103%2fPhysRevC.108.014908&partnerID=40&md5=511d0e87f0f1e69393517ee8a202db36
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Measurement of electrons from open heavy-flavor hadron decays in Au+Au collisions at √sNN = 200 GeV with the STA	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, College Stat	Physical Sciences	Journal of High Energy Physics		2023	2	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163802962&doi=10.1007%2fJHEP06%282023%29176&partnerID=40&md5=72063ac66d21c5685f56e6171f29e011
Flow fluctuations and kinetic freeze-out of identified hadrons at energies available at the CERN Super Proton Synchrot	Rode S.P., Veksler and Baldin Laboratory of High Energy Physics, Joint Institute for Nuclear Research, Moscow region, Dub	Physical Sciences	Physical Review C		2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166760999&doi=10.1103%2fPhysRevC.108.014906&partnerID=40&md5=982a3e994d6689bcbd52c16312d96836
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JWST-TST Proper Motions. I. High-precision NIRISS Calibration and Large Magellanic Cloud Kinematics	Libralato M., AURA for the European Space Agency (ESA), Space Telescope Science Institute, 3700 San Martin Drive, Baltin	Physical Sciences	Astrophysical Journal		2023	8	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164453577&doi=10.3847%2f1538-4357%2facd04f&partnerID=40&md5=218b2b6626360da78c35aa1760446aa1
Quaternary Pullulan-Functionalized 2D MoS2Glycosheets: A Potent Bactericidal Nanoplatform for Efficient Wound Dis	Roy S., School of Biosciences and Bioengineering, Indian Institute of Technology Mandi, Kamand, Himachal Pradesh, Mand	Life Sciences	ACS Applied Materials and Interfaces		2023	11	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160020274&doi=10.1021%2facsami.3c04390&partnerID=40&md5=0c9d4256e8edd2cc46abfbb240de0386
Measurements of dielectron production in Au+Au collisions at sNN =27, 39, and 62.4 GeV from the STAR experiment	Abdulhamid M.I., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, (	Physical Sciences	Physical Review C		2023	4	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162228817&doi=10.1103%2fPhysRevC.107.L061901&partnerID=40&md5=39bf6ebca4b6eb64015a1927a1949f30
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Search for the chiral magnetic effect in Au+Au collisions at sNN=27 GeV with the STAR forward event plane detectors	Aboona B.E., Texas A&M University, College Station, 77843, TX, United States; Adam J., Czech Technical University in Prag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P		2023	7	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149897423&doi=10.1016%2fj.physletb.2023.137779&partnerID=40&md5=966e6512ea44b5718d595683b1cfcdb7
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Ligand-metal cooperativity in quinonoid based nickel(ii) and cobalt(ii) complexes for catalytic hydrosilylative reductior	Paramanik K., Department of Chemistry, University of North Bengal, Darjeeling, 734013, India; Bandopadhyay N., Departm	Chemical Sciences	Dalton Transactions		2023	3	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151438411&doi=10.1039%2fd3dt00090g&partnerID=40&md5=153365f6f62805a234ed63479b7c58c8
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Weak-localization effect in Fano asymmetry of C implanted rutile TiO2nanostructure	Sahoo S., School of Physical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, An OCC	Physical Sciences	Journal of Applied Physics		2023	0	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152937037&doi=10.1063%2f5.0139163&partnerID=40&md5=8c38d764b81e4504e39c505b9605d220
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Interplay of lipid head group and packing defects in driving amyloid-beta–mediated myelin-like model membrane def	Tiwari A., Department of Life Sciences, National Institute of Technology, Rourkela, India; Pradhan S., Department of Physic	Life Sciences	Journal of Biological Chemistry		2023	2	0021-9258	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152594792&doi=10.1016%2fj.jbc.2023.104653&partnerID=40&md5=12e78daf73a084bab79eb32cd8b12cda
Emergence of Sizeable Interfacial Dzyaloshinskii-Moriya Interaction at Cobalt/Fullerene Interface	Pandey E., Laboratory for Nanomagnetism and Magnetic Materials (LNMM), School of Physical Sciences, National Institute	Physical Sciences	Physical Review Applied		2023	3	2331-7019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152781713&doi=10.1103%2fPhysRevApplied.19.044013&partnerID=40&md5=6c06f7e4a93752f2174160cbd3832e58
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Research Article Genetic variants and haplotypes in fibulin-5 (FBLN5) are associated with pseudoexfoliation glaucoma	Kapuganti R.S., School of Biological Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, I	Life Sciences	Bioscience Reports		2023	0	0144-8463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149180315&doi=10.1042%2fBSR20221622&partnerID=40&md5=7937972ccad3dacb4bba2a4c31b114cb
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Intergenic variants, rs1200114 and rs1200108 are genetically associated along with a decreased ATP1B1 expression in	Chakraborty M., School of Biological Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar,	Life Sciences	Experimental Eye Research		2023	0	0014-4835	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147657195&doi=10.1016%2fj.exer.2023.109403&partnerID=40&md5=2ac09ecac0450a3d65dd920202dc8a70
Achieving High-Efficiency in Binary Organic Solar Cells by the Structural Fine-Tuning of Coumarin-Based Donor	Pradhan R., School of Chemistry, Sambalpur University, Jyoti Vihar, Sambalpur, 768019, India; Khandelwal K., Department	Chemical Sciences	Solar RRL		2023	8	2367-198X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149705460&doi=10.1002%2fsolr.202300032&partnerID=40&md5=6e6f711307668e92a8df1cc7b0a416b1

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Study on co-precursor driven solid state thermal conversion of iron(III)citrate to iron oxide nanomaterials	Kundu S., Department of Physics, Visva-Bharati University, Santiniketan, 731235, India; Sarkar T., Department of Physics, V	Physical Sciences	Applied Physics A: Materials Science and Processing	2023	5	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150681735&doi=10.1007%2fs00339-023-06559-4&partnerID=40&md5=e8db9ec9e1a997f033b46d51af7ed36a
Global constraint on the magnitude of anomalous chiral effects in heavy-ion collisions	Wu W.-Y., Key Laboratory of Nuclear Physics and Ion-Beam Application (MOE), Institute of Modern Physics, Fudan Univers	Physical Sciences	Physical Review C	2023	6	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151360021&doi=10.1103%2fPhysRevC.107.L031902&partnerID=40&md5=80c16eba42e148d8271059839e0a5f7e
An exact sequence and triviality of Bogomolov multiplier of groups	Hatui S., School of Mathematical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha	Mathematical Sciences	Journal of Algebra	2023	1	0021-8693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145211896&doi=10.1016%2fj.jalgebra.2022.11.024&partnerID=40&md5=2ce12608adf92db49531f875b15d0ff1
TRPV4 regulates mitochondrial Ca2+-status and physiology in primary murine T cells based on their immunological sta	Acharya T.K., National Institute of Science Education and Research Bhubaneswar, School of Biological Sciences, P.O. Jatni,	Life Sciences	Life Sciences	2023	7	0024-3205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148354583&doi=10.1016%2fj.lfs.2023.121493&partnerID=40&md5=113b43b718d970f9c5640befbaba851b
Boron-Thioketonates: A New Class of S,O-Chelated Boranes as Acceptors in Optoelectronic Devices	Murali A.C., School of Chemical Sciences, National Institute of Science Education and Research (NISER), an OCC of Homi Bh	Chemical Sciences	Angewandte Chemie - International Edition	2023	11	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147181939&doi=10.1002%2fanie.202216871&partnerID=40&md5=9efd91a58b427eec44165cb372bd0b7d
Understanding the screening effect of aqueous DES on the IDPs: A molecular dynamics simulation study using amyloid	Chowdhury U.D., School of Chemical Sciences, National Institute of Science Education & Research-Bhubaneswar, an OCC o	Chemical Sciences	Journal of Molecular Graphics and Modelling	2023	3	1093-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144418120&doi=10.1016%2fj.jmgm.2022.108398&partnerID=40&md5=2bda1ee576e7cfb12ade5f22ce85ad43
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Spin to Charge Conversion in Semiconducting Antiferromagnetic Co3O4	Roy K., Laboratory for Nanomagnetism and Magnetic Materials, School of Physical Sciences, National Institute of Science E	Physical Sciences	ACS Applied Electronic Materials	2023	2	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148945007&doi=10.1021%2facsaelm.2c01609&partnerID=40&md5=8b0fc2de78c128ff29e35858d86b7f79
Reduced FRG1 expression promotes angiogenesis via activation of the FGF2-mediated ERK/AKT pathway	Mukherjee B., Cancer and Angiogenesis Research Lab, School of Biological Sciences, National Institute of Science Educatio	Life Sciences	FEBS Open Bio	2023	1	2211-5463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152054246&doi=10.1002%2f2211-5463.13582&partnerID=40&md5=21295f103ef17595a1b90d1f91688c12
Facet Engineering for Decelerated Carrier Cooling in Polyhedral Perovskite Nanocrystals	Acharjee D., School of Chemical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha N	Applied Systems Analysis; Chemical Scie	Nano Letters	2023	10	1530-6984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149012216&doi=10.1021%2facs.nanolett.2c05107&partnerID=40&md5=9487eee59dfc1146564aea291f06ee9f
Cathodoluminescence Properties of Ni-Decorated Hexagonal Cr Microrods for Magneto-Plasmonic Applications	Ghorai G., School of Physical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha Nati	Physical Sciences	ACS Applied Optical Materials	2023	0	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186173807&doi=10.1021%2facsaom.3c00027&partnerID=40&md5=dea1db51515fcd68db2e96d4cd8f19df
Lateral adherens junctions mediate a supracellular actomyosin cortex in drosophila trachea	Pradhan R., School of Biological Sciences, National Institute of Science Education and Research (NISER), Jatni, Odisha, Khu	Life Sciences	iScience	2023	1	2589-0042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150505498&doi=10.1016%2fj.isci.2023.106380&partnerID=40&md5=a4ec82da7fbe342facc8828a5a0c2477
Causality and stability of relativistic spin hydrodynamics	Sarwar G., Physical Research Laboratory, Theory Division, Navrangpura, Ahmedabad, 380009, India; Hasanujjaman Md., D	Physical Sciences	Physical Review D	2023	9	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151822292&doi=10.1103%2fPhysRevD.107.054031&partnerID=40&md5=9daed09c9f7b7ab7f13593c51d7d9504
Test beam performance of a CBC3-based mini-module for the Phase-2 CMS Outer Tracker before and after neutron ir	Adam W., Institut für Hochenergiephysik, Wien, Austria; Bergauer T., Institut für Hochenergiephysik, Wien, Austria; Dama	Applied Systems Analysis; Chemical Scie	Journal of Instrumentation	2023	1	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152964900&doi=10.1088%2f1748-0221%2f18%2f04%2fP04001&partnerID=40&md5=c4bcfdac8a84427db69ed01d008cb35a
A mechanism of salt bridge–mediated resistance to FtsZ inhibitor PC190723 revealed by a cell-based screen	Sharma A.K., School of Biological Sciences, Centre for Interdisciplinary Sciences, National Institute of Science Education an	Life Sciences	Molecular Biology of the Cell	2023	3	1059-1524	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148479912&doi=10.1091%2fmbc.E22-12-0538&partnerID=40&md5=6a4099bd6b03e6ee8d3a127d933204f3
Driving skyrmions with low threshold current density in Pt/CoFeB thin film	Ojha B., Laboratory for Nanomagnetism and Magnetic Materials (LNMM), School of Physical Sciences, National Institute o	Physical Sciences	Physica Scripta	2023	5	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148666692&doi=10.1088%2f1402-4896%2facb862&partnerID=40&md5=5e2f2e7686d02623a18b7db94725cf8c
A Remark on Large Time Asymtotics for Solutions of a Nonhomogeneous Viscous Burgers Equation	Sahoo M.R., School of Mathematical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhab	Mathematical Sciences	Acta Mathematica Scientia	2023	0	0252-9602	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156224205&doi=10.1007%2fs10473-023-0318-x&partnerID=40&md5=2850b62ae07dafab02bb37a4dc402cb9
K∗0 production in Au+Au collisions at sNN =7.7, 11.5, 14.5, 19.6, 27, and 39 GeV from the RHIC beam energy scan	Abdallah M.S., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University,	Physical Sciences	Physical Review C	2023	4	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151841127&doi=10.1103%2fPhysRevC.107.034907&partnerID=40&md5=4fe8b9eb3c8b579715d148ab1df19844
Ligand-Controlled Ruthenium-Catalyzed Borrowing-Hydrogen and Interrupted-Borrowing-Hydrogen Methodologies: F	Biswal P., School of Chemical Sciences, National Institute of Science Education and Research, Bhubaneswar, an OCC of Hor	Chemical Sciences	Journal of Organic Chemistry	2023	4	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133822353&doi=10.1021%2facs.joc.2c00653&partnerID=40&md5=9c0bae92a4a01c93dcd9d7b4df992674
TRH and NPY Interact to Regulate Dynamic Changes in Energy Balance in the Male Zebra Finch	Singh O., School of Biological Sciences, National Institute of Science Education and Research (NISER)-Bhubaneswar, Jatani,	Life Sciences	Endocrinology (United States)	2023	0	0013-7227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156096281&doi=10.1210%2fendocr%2fbqac195&partnerID=40&md5=54f97a4b06b4366af1d9da9e30863475
Students' understanding of electrostatic force as a vector quantity at the undergraduate level	Chhabra M., Department of Education, University of Delhi, Delhi, 110007, India; Das R., School of Physical Sciences, Nation	Physical Sciences	Physics Education	2023	0	0031-9120	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150525178&doi=10.1088%2f1361-6552%2facc0c2&partnerID=40&md5=9fe6897304e5d55145e104dd462fb07e
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FtsE, the Nucleotide Binding Domain of the ABC Transporter Homolog FtsEX, Regulates Septal PG Synthesis in E. coli	Mallik S., Institute of Life Sciences, Nalco Square, Odisha, Bhubaneswar, India, Manipal Academy of Higher Education, Kar	Life Sciences	Microbiology Spectrum	2023	2	2165-0497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163914292&doi=10.1128%2fspectrum.02863-22&partnerID=40&md5=acdc7a9450f3b1b1f5794f7f7098ade2
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A characterization of the family of secant lines to a hyperbolic quadric in PG(3,q), q odd, Part II	De Bruyn B., Ghent University, Department of Mathematics: Algebra and Geometry, Krijgslaan 281 (S25), Gent, B-9000, Be	Mathematical Sciences	Discrete Mathematics	2023	1	0012-365X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141985851&doi=10.1016%2fj.disc.2022.113251&partnerID=40&md5=9f16ab5eb3f08319d3f12e3592c051f1
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Beam energy dependence of the linear and mode-coupled flow harmonics in Au+Au collisions	Aboona B.E., Texas A&M University, College Station, 77843, TX, United States; Adam J., Czech Technical University in Prag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	4	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148578765&doi=10.1016%2fj.physletb.2023.137755&partnerID=40&md5=3cdad60035da21159b3af06e2aa9fafe
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Coordination and Stabilization of a Lithium Ion with a Silylene	Nazish M., Institut für Anorganische Chemie, Universität Göttingen, Tammannstraße 4, Göttingen, 37077, Germany; Leger	Chemical Sciences	Chemistry - A European Journal	2023	5	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147493941&doi=10.1002%2fchem.202203528&partnerID=40&md5=dd45a7fcfd965d881daf14e68cd27cd2
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Regioselective synthesis of phenanthridine-fused quinazolinones using a 9-mesityl-10-methylacridinium perchlorate p	Bhanja R., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bha	Chemical Sciences	Chemical Communications	2023	13	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152244437&doi=10.1039%2fd3cc00537b&partnerID=40&md5=4b4ef862b04ac36a3e41cfb7b362ccd3
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Tropolone-Conjugated DNA: A Fluorescent Thymidine Analogue Exhibits Solvatochromism, Enzymatic Incorporation ir	Meher S., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, Odisha	Chemical Sciences	ChemBioChem	2023	1	1439-4227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146042589&doi=10.1002%2fcbic.202200732&partnerID=40&md5=84745c0ed3c487c859b2b7fe7e761d9a
Measurement of the ve -Nucleus Charged-Current Double-Differential Cross Section at «ev »=2.4 GeV Using NOvA	Acero M.A., Universidad Del Atlantico, Carrera 30 No. 8-49, Atlantico, Puerto Colombia, Colombia; Adamson P., Fermi Nat	Physical Sciences	Physical Review Letters	2023	5	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147710252&doi=10.1103%2fPhysRevLett.130.051802&partnerID=40&md5=c2320a62fc34b0329e4c7ca8bd1f5097
Intermediates, Isolation and Mechanistic Insights into Zinc Hydride-Catalyzed 1,2-Regioselective Hydrofunctionalizatio	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabha Natio	Chemical Sciences	Inorganic Chemistry	2023	15	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145338051&doi=10.1021%2facs.inorgchem.2c03389&partnerID=40&md5=15dcfca3b9edc69941cd56914079cd82
A JWST NIRSpec Phase Curve for WASP-121b: Dayside Emission Strongest Eastward of the Substellar Point and Nights	Mikal-Evans T., Max Planck Institute for Astronomy, Königstuhl 17, Heidelberg, D-69117, Germany; Sing D.K., Department	Physical Sciences	Astrophysical Journal Letters	2023	13	2041-8205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147376741&doi=10.3847%2f2041-8213%2facb049&partnerID=40&md5=64202d407b726812143e45a9bd4a7da7
Higher-order cumulants and correlation functions of proton multiplicity distributions in sNN =3 GeV Au+Au collisions a	Abdallah M.S., American University of Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, College Station	Physical Sciences	Physical Review C	2023	12	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150191763&doi=10.1103%2fPhysRevC.107.024908&partnerID=40&md5=23905ad5b007fb21c2b2ad7aef228d11
AN EXTENSION PROBLEM, TRACE HARDY AND HARDY'S INEQUALITIES FOR THE ORNSTEIN–UHLENBECK OPERATOR	Ganguly P., Institut für Mathematik, Universität Paderborn, Paderborn, Germany, Department of Mathematics, Indian Inst	Mathematical Sciences	Analysis and PDE	2023	0	2157-5045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170287205&doi=10.2140%2fapde.2023.16.1205&partnerID=40&md5=8c6e0f92d9e42864d1a8418728bf5d96
Early Release Science of the exoplanet WASP-39b with JWST NIRISS	Feinstein A.D., Department of Astronomy and Astrophysics, University of Chicago, Chicago, IL, United States; Radica M., D	Physical Sciences	Nature	2023	86	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146867206&doi=10.1038%2fs41586-022-05674-1&partnerID=40&md5=dbc222087077235237f216319f8a2b56
Catalytic Transfer Hydrogenation of Lignocellulosic Biomass Model Compounds Furfural and Vanillin with Ethanol by a	Ghosh R., School of Chemical Sciences, National Institute of Science Education and Research (NISER) An OCC of Homi Bhab	Chemical Sciences; Physical Sciences	ChemCatChem	2023	7	1867-3880	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141697504&doi=10.1002%2fcctc.202201062&partnerID=40&md5=44a0d9931b15f4c3893c6ee44ff470c1
TRPV4 regulates osteoblast differentiation and mitochondrial function that are relevant for channelopathy	Acharya T.K., National Institute of Science Education and Research, HBNI, School of Biological Sciences, Odisha, Bhubanes	Life Sciences	Frontiers in Cell and Developmental Biology	2023	2	2296-634X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163574528&doi=10.3389%2ffcell.2023.1066788&partnerID=40&md5=ec3495da53d6b5a085f6376ef56cb8d5
Human–elephant interaction: Community perspectives on conflict mitigation and conservation mechanisms	Nayak M., School of Humanities and Social Sciences, National Institute of Science Education and Research, An OCC of Hom	Applied Systems Analysis	Journal of Public Affairs	2023	1	1472-3891	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130543192&doi=10.1002%2fpa.2820&partnerID=40&md5=00b7ddb3191e2b8b2a2400429e353987
Mixed q-deformed Araki-Woods von Neumann algebras	Bikram P., National Institute of Science Education and Research, Bhubaneswar, An OCC of Homi Bhabha National Institute	Mathematical Sciences	Journal of Noncommutative Geometry	2023	1	1661-6952	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175084690&doi=10.4171%2fJNCG%2f513&partnerID=40&md5=70bdf7e92c4abec8879b98903742c964
Azide–Alkyne Cycloaddition Catalyzed by Copper(I) Coordination Polymers in PPM Levels Using Deep Eutectic Solvent	Sethi S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bhabl	Chemical Sciences	ACS Omega	2023	11	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144844332&doi=10.1021%2facsomega.2c06231&partnerID=40&md5=4fc814257488dd152761709381188608
Vaccination dilemma in the thermodynamic limit	Benjamin C., School of Physical Sciences, National Institute of Science Education and Research Bhubaneswar, Jatni, 75205(	Physical Sciences	Chaos	2023	0	1054-1500	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148771391&doi=10.1063%2f5.0137393&partnerID=40&md5=b27d358a45f39fd659603160de168ac0
Early Release Science of the exoplanet WASP-39b with JWST NIRSpec G395H	Alderson L., School of Physics, HH Wills Physics Laboratory, University of Bristol, Bristol, United Kingdom; Wakeford H.R., S	Physical Sciences	Nature	2023	105	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146894496&doi=10.1038%2fs41586-022-05591-3&partnerID=40&md5=455a777b593c3f77e1c399ddb8ecf097
LSTM based Modified Remora Optimization Algorithm for Lung Cancer Prediction	Pradhan M., P.G. Department of Computer Science, Fakir Mohan University, Odisha, Balasore, India; Coman I.L., Departme	Mathematical Sciences	International Journal of Intelligent Engineering and Systems	2023	1	2185-310X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177641328&doi=10.22266%2fijies2023.1231.05&partnerID=40&md5=9c32fc8b2a108e409d0937914f83a754
Wide-spread enhancer effect of SNP rs2279590 on regulating epoxide hydrolase-2 and protein tyrosine kinase 2-beta	Padhy B., School of Biological Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, P.O. B	Life Sciences	Gene	2023	2	0378-1119	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143696102&doi=10.1016%2fj.gene.2022.147096&partnerID=40&md5=29b7f519ca03986c68353dba9c87d297
Rh(I) and Organo-Rh(III) Complexes of meso-Triarylbiphenylcorrole	Chitranshi S., National Institute of Science Education and Research (NISER), An OCC of Homi Bhabha National Institute, Od	Chemical Sciences	Inorganic Chemistry	2023	3	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144345861&doi=10.1021%2facs.inorgchem.2c03401&partnerID=40&md5=74c695c46f0c39ad2cc397c0989b9dd7
Early Release Science of the exoplanet WASP-39b with JWST NIRSpec PRISM	Rustamkulov Z., Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD, United States; Sin	Physical Sciences	Nature	2023	120	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147357127&doi=10.1038%2fs41586-022-05677-y&partnerID=40&md5=42d1e6d8f79f4315dc08c4ba56dda19e
Nonlinear response of interacting bosons in a quasiperiodic potential	Dutta D., National Institute of Science Education and Research, Odisha, Jatni, 752050, India, Homi Bhabha National Institu	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146314789&doi=10.1103%2fPhysRevB.107.035120&partnerID=40&md5=8f2613fa3c307dce73fdf9cbd3273844
Pattern of global spin alignment of φ and K*0 mesons in heavy-ion collisions	Abdallah M.S., The American University in Cairo, New Cairo, Egypt; Aboona B.E., Texas A&M University, College Station, T)	Physical Sciences	Nature	2023	52	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146473368&doi=10.1038%2fs41586-022-05557-5&partnerID=40&md5=1ef85e4de191331f252f4d5b6fbb98db
DISTRIBUTION OF MOMENTS OF HURWITZ CLASS NUMBERS IN ARITHMETIC PROGRESSIONS AND HOLOMORPHIC PRC	Kane B., Department of Mathematics, University of Hong Kong, Pokfulam, Hong Kong; Pujahari S., School of Mathematical	Mathematical Sciences	Transactions of the American Mathematical Society	2023	1	0002-9947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171877234&doi=10.1090%2ftran%2f8885&partnerID=40&md5=a33623ee79c47ee9e889ae1c8d3594a1
Annulation of Indole-2-Carboxamides with Bicycloalkenes Catalyzed by Ru(II) at Room Temperature: An Easy Access tc	Das Adhikari G.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhu	Chemical Sciences; Physical Sciences	Journal of Organic Chemistry	2023	2	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145995470&doi=10.1021%2facs.joc.2c02351&partnerID=40&md5=ff6c6707907e9318bcaf35e17e8704de
Beam Energy Dependence of Fifth- and Sixth-Order Net-Proton Number Fluctuations in Au+Au Collisions at RHIC	Aboona B.E., Texas A&M University, College Station, 77843, TX, United States; Adam J., Czech Technical University in Prag	Physical Sciences	Physical Review Letters	2023	16	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149659741&doi=10.1103%2fPhysRevLett.130.082301&partnerID=40&md5=4bcf06125b3584ae7c1d8792a3ac53fd
Pd-catalyzed site-selective C(sp2)-H chalcogenation of amino acids and peptides using a picolinamide auxiliary	Bag R., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, Odisha, J	Chemical Sciences	Organic Chemistry Frontiers	2023	9	2052-4110	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147216467&doi=10.1039%2fd2qo01876d&partnerID=40&md5=af9abec7fd449dee34417da05c7d5c57
Geometric similarity invariants of Cowen–Douglas operators	Jiang C., Department of Mathematics, Hebei Normal University, Hebei, Shijiazhuang, 050016, China; Ji K., Department of M	Mathematical Sciences	Journal of Noncommutative Geometry	2023	1	1661-6952	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165017122&doi=10.4171%2fJNCG%2f503&partnerID=40&md5=7211ec46323802055ed3951e3dfeea63
Highly water-stable, luminescent, and monodisperse polymer-coated CsPbBr3 nanocrystals for imaging in living cells v	Kar M.R., Department of Engineering and Materials Physics, Institute of Chemical Technology-IndianOil Odisha Campus, M	Life Sciences	RSC Advances	2023	7	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149107364&doi=10.1039%2fd2ra07019g&partnerID=40&md5=996da7aff2a2aa381c4efb6dae62fdec
Low-threshold sapphire detector for rare event searches	Verma S., Department of Physics and Astronomy, Texas A&M University, 578 University Dr, College Station, 77840, TX, Un	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	3	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141462741&doi=10.1016%2fj.nima.2022.167634&partnerID=40&md5=95453c74f9180739db2ed9d1bf8d4710
A new transient directing group diethoxyethyl-l-proline facilitates ortho-arylation of aryl-amines/-amino acids via Pd-c	Panda S.S., School of Chemical Sciences, National Institute of Science Education and Research (NISER)-Bhubaneswar, Jatni	Chemical Sciences	Organic and Biomolecular Chemistry	2023	4	1477-0520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146870232&doi=10.1039%2fd2ob02145e&partnerID=40&md5=0bae591d474af2a790bcb3eebb116f3d
Probing the influence of alkyl chain length on the aggregation behaviour of some naphthalene sulphonamide derivati	Banerjee S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi Bh	Chemical Sciences	Chemical Physics	2023	3	0301-0104	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141992441&doi=10.1016%2fj.chemphys.2022.111762&partnerID=40&md5=b6c1d9b48f4207d83d2807ab8e72fd33
Tailoring Spin-To-Charge Conversion Efficiency via Microwave Frequency in La0.67 Sr0.33MnO3/Pt Bilayer System	Gupta P., Laboratory for Nanomagnetism and Magnetic Materials, School of Physical Sciences, National Institute of Scienc	Physical Sciences	SPIN	2023	2	2010-3247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172656021&doi=10.1142%2fS2010324723400192&partnerID=40&md5=c34c3c874d45f880b243e25b86fc6941
Azulene tethered N-aryl nucleobases: synthesis, morphology and biochemical evaluations	Meher S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar, Odish	Chemical Sciences	New Journal of Chemistry	2023	1	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149209568&doi=10.1039%2fd2nj06272k&partnerID=40&md5=7104593bc98077a907db49db239a0cb3
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A Bombieri–Vinogradov-type theorem for moduli with small radical	Baier S., Ramakrishna Mission Vivekananda Educational Research Institute, Department of Mathematics, West Bengal, Ho	Mathematical Sciences	Acta Arithmetica	2023	0	0065-1036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179117866&doi=10.4064%2faa221211-1-9&partnerID=40&md5=b77775f437a76e6589dab02aa9c13d8b
Weak-Chelation Assisted Cobalt-Catalyzed C-H Bond Activation: An Approach Toward Regioselective Ethynylation of N	Banjare S.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odisha, 752050, I	Chemical Sciences	Organic Letters	2023	3	1523-7060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145452711&doi=10.1021%2facs.orglett.2c04098&partnerID=40&md5=979c45fc26c790cf73a2ba0397bd05ce
Mapping, temporal dynamics, and assessment of agricultural ecosystem services: evidence from eastern India	Rath S., Department of Agricultural Economics, College of Agriculture, Odisha University of Agriculture and Technology, O	Applied Systems Analysis	Frontiers in Sustainable Food Systems	2023	1	2571-581X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166427725&doi=10.3389%2ffsufs.2023.1151205&partnerID=40&md5=c6759758c1ae2bb8bad2232887b123eb
Thermosensitive smart hydrogel of PEITC ameliorates the therapeutic efficacy in rheumatoid arthritis	Haloi P., School of Biological Sciences, National Institute of Science Education and Research, HBNI, Odisha, Jatni, 752050, I	Life Sciences	European Journal of Pharmaceutical Sciences	2023	13	0928-0987	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144933753&doi=10.1016%2fj.ejps.2022.106367&partnerID=40&md5=cd801c344bca038d028ebf16ff5b9094
Cathodoluminescence and optical absorption spectroscopy of plasmonic modes in chromium micro-rods	Ghorai G., School of Physical Sciences, National Institute of Science Education and Research, Bhubaneswar, An OCC of Hor	Physical Sciences	Nanotechnology	2023	3	0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143201341&doi=10.1088%2f1361-6528%2faca339&partnerID=40&md5=de72fff7c1c0d52a364d0e1b9ee182a9

Activation of C-Br Bond of CBr4 and CBrCl3 Using 9-Mesityl-10-methylacridinium Perchlorate Photocatalyst	Dinda T.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, An O	Chemical Sciences	Journal of Organic Chemistry	2023	5	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146014580&doi=10.1021%2facs.joc.2c02595&partnerID=40&md5=3586e43b5eaa1c5b72aa4b0fc05d11d4
Comparison of Two Zinc Hydride Precatalysts for Selective Dehydrogenative Borylation of Terminal Alkynes: A Detaile	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabha Natio	Chemical Sciences	ACS Omega	2023	3	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146152229&doi=10.1021%2facsomega.2c07381&partnerID=40&md5=89b4635f1c4b734de2a9a6d017041d61
Cobalt-catalysed [1,2]-Wittig rearrangement of ethers to secondary alcohols	Pattanaik S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Homi B	Chemical Sciences	Chemical Communications	2023	2	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147294070&doi=10.1039%2fd2cc06937g&partnerID=40&md5=51737a147cacc6649b8ff63b3738693a
Azimuthal anisotropy measurement of (multi)strange hadrons in Au+Au collisions at sNN =54.4 GeV	Abdallah M.S., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, Col	Physical Sciences	Physical Review C	2023	6	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149645456&doi=10.1103%2fPhysRevC.107.024912&partnerID=40&md5=2e83f1ff010eab4881a69f4b442326ac
Cold Tolerance Mechanisms in Mungbean (Vigna radiata L.) Genotypes during Germination	Manasa L.S., National Institute of Science, Education and Research, Homi Bhabha National Institute (HBNI), Jatni, 752050,	Life Sciences	Agriculture (Switzerland)	2023	1	2077-0472	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149141985&doi=10.3390%2fagriculture13020315&partnerID=40&md5=d72569c64d25c6678bd02ea64282b7b0
Pion, kaon, and (anti)proton production in U+U collisions at sNN =193 GeV measured with the STAR detector	Abdallah M.S., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, Col	Physical Sciences	Physical Review C	2023	3	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149654686&doi=10.1103%2fPhysRevC.107.024901&partnerID=40&md5=42c46ccf869af3980dd71b48293a7056
B−N Coordinated Phenanthroimidazole-Based Zinc-Salen as a Photocatalyst for the Synthesis of Oxazolidinones using	Nayak P., School of Chemical Sciences, National Institute of Science Education and Research (NISER), OCC of Homi Bhaba N	Chemical Sciences	Advanced Synthesis and Catalysis	2023	6	1615-4150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146137811&doi=10.1002%2fadsc.202201253&partnerID=40&md5=064b9da56dbe2e12e0c846f036500138
Formulas for moments of class numbers in arithmetic progressions	Bringmann K., Department of Mathematics and Computer Science, University of Cologne, Cologne, 50931, Germany; Kane	Mathematical Sciences	Acta Arithmetica	2023	0	0065-1036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165272891&doi=10.4064%2faa210927-21-11&partnerID=40&md5=88aef71d3bcf9e27643f8f7aaddd0755
An Intramolecular Radical C-N Coupling by N -Iodosuccinimide	Bera S.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An Occ of Homi Bhab	Chemical Sciences	Synthesis (Germany)	2023	2	0039-7881	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160952766&doi=10.1055%2fa-2063-0221&partnerID=40&md5=49ab01b4e24a1236acbd2fc33ea1ae50
E−Z Isomerization in Guanidine: Second-order Saddle Dynamics, Non-statisticality, and Time-frequency Analysis	Rashmi R., National Insitute of Science Education and Research (NISER) Bhubaneswar, An OCC of Homi Bhabha National In	Chemical Sciences	ChemPhysChem	2023	0	1439-4235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142116707&doi=10.1002%2fcphc.202200640&partnerID=40&md5=b0095a6ef14b41fe99e5abe754f6f6ff
Early Release Science of the exoplanet WASP-39b with JWST NIRCam	Ahrer E.-M., Centre for Exoplanets and Habitability, University of Warwick, Coventry, United Kingdom, Department of Phy	Physical Sciences	Nature	2023	79	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148094260&doi=10.1038%2fs41586-022-05590-4&partnerID=40&md5=3f6dabf98e0ef36dade0dcbd83fd1b13
Identification of carbon dioxide in an exoplanet atmosphere	Ahrer E.-M., Centre for Exoplanets and Habitability, University of Warwick, Coventry, United Kingdom, Department of Phy	Physical Sciences	Nature	2023	100	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148677767&doi=10.1038%2fs41586-022-05269-w&partnerID=40&md5=09723b8dc203affb259795db60e1ed1a
CsPbBr3 in the Activation of the C−Br Bond of CBrX3 (X = Cl, Br) under Sunlight	Manna A., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Khurda, Odisha, Bhu	Chemical Sciences	Chemistry of Materials	2023	12	0897-4756	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146006979&doi=10.1021%2facs.chemmater.2c03164&partnerID=40&md5=9166ae049c5a862577f4167300df63df
Aluminium-Catalyzed Selective Hydroboration of Esters and Epoxides to Alcohols: C −O Bond Activation	Sarkar N., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabha Nation	Chemical Sciences	Chemistry - A European Journal	2023	6	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143292763&doi=10.1002%2fchem.202203023&partnerID=40&md5=440ef279831ba94ea552c4a7030b4e6b
Human skeletal dysplasia causing L596P-mutant alters the conserved amino acid pattern at the lipid-water-Interface d	Das R., School of Biological Sciences, National Institute of Science Education and Research, HBNI, Khordha, Odisha, Jatni, 7	Life Sciences; Physical Sciences	Biochimica et Biophysica Acta - Biomembranes	2023	4	0005-2736	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145889223&doi=10.1016%2fj.bbamem.2022.184085&partnerID=40&md5=2232c282f07eef1bf6074bb847491a48
Trace mappings on quasi-Banach modulation spaces and applications to pseudo-differential operators of amplitude ty	Toft J., Department of Mathematics, Linnæus University, Växjö, Sweden; Bhimani D.G., Department of Mathematics, India	Mathematical Sciences	Analysis and Applications	2023	0	0219-5305	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133917521&doi=10.1142%2fS0219530522500063&partnerID=40&md5=f595149b8b90b07686daf019bac87a15
Molecular dynamics investigation of the interaction between volatile organic compounds and deep eutectic solvents	Panda D.K., School of Chemical Sciences, National Institute of Science Education & Research – Bhubaneswar, An OCC of Ho	Chemical Sciences	Molecular Simulation	2023	0	0892-7022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174386705&doi=10.1080%2f08927022.2023.2268729&partnerID=40&md5=8aa8fcef2452888c66d1cc0a91623c8d
Fabrication and optimization of BSA-PEG-loaded phenethyl isothiocyanate (PEITC) nanoparticles using Box-Behnken d	Siva Lokesh B., School of Biological Sciences, National Institute of Science Education and Research, HBNI, Odisha, Jatni, 75	Life Sciences	Journal of Drug Delivery Science and Technology	2023	1	1773-2247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145865424&doi=10.1016%2fj.jddst.2022.104101&partnerID=40&md5=1072ee27630255c296e8a8022f1dd8cc
Dealing with death through circumlocution: disguise and prettification in J.M. Coetzee's Jesus trilogy	Mishra D., National Institute of Science Education and Research, HBNI, Odisha, Bhubaneswar, India; Nayak A., National Ins	Applied Systems Analysis	Mortality	2023	0	1357-6275	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119880002&doi=10.1080%2f13576275.2021.2003314&partnerID=40&md5=064823056615b0c8efae18d2493e0403
TLR4 is one of the receptors for Chikungunya virus envelope protein E2 and regulates virus induced pro-inflammatory	Mahish C., School of Biological Sciences, National Institute of Science Education and Research Bhubaneswar, Odisha, Jatni	Life Sciences	Frontiers in Immunology	2023	4	1664-3224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158068433&doi=10.3389%2ffimmu.2023.1139808&partnerID=40&md5=9477095ce71cd452e29fa18bee260c03
On projective representations of finitely generated groups	Hatui S., School of Mathematical Sciences, National Institute of Science Education and Research, An OCC of HBNI, Odisha,	Mathematical Sciences	Communications in Algebra	2023	0	0092-7872	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143145347&doi=10.1080%2f00927872.2022.2149763&partnerID=40&md5=78aefe8912723631cfc9d2d99d994676
A comparative analysis of gut microbial dysbiosis by select antibiotics and DSS to understand the effects of perturbati	Mukhopadhyay S., School of Biological Sciences, National Institute of Science Education and Research (NISER), P.O.-Bhimp	Life Sciences; Physical Sciences	Life Sciences	2023	4	0024-3205	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142757815&doi=10.1016%2fj.lfs.2022.121212&partnerID=40&md5=44d8d7822d21b730a90b886d78714048
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FRG1 is a direct transcriptional regulator of nonsense-mediated mRNA decay genes	Palo A., National Institute of Science Education and Research, School of Biological Sciences, Odisha, Bhubaneswar, 752050	Life Sciences	Genomics	2023	0	0888-7543	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144067552&doi=10.1016%2fj.ygeno.2022.110539&partnerID=40&md5=f7cac73990bab713ee2977950efb2455
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Presence of TRPV3 in macrophage lysosomes helps in skin wound healing against bacterial infection	Sahu R.P., National Institute of Science Education and Research Bhubaneswar, School of Biological Sciences, Odisha, Khurd	Life Sciences	Experimental Dermatology	2023	7	0906-6705	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139963360&doi=10.1111%2fexd.14683&partnerID=40&md5=eba54f611bd7a54359a08d3b0f74de81
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Formulation of a dual drug-loaded nanoparticulate co-delivery hydrogel system and its validation in rheumatoid arthr	Haloi P., School of Biological Sciences, National Institute of Science Education and Research, HBNI, Bhubaneswar, India, Tr	Life Sciences	Drug Delivery	2023	10	1071-7544	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148973134&doi=10.1080%2f10717544.2023.2184307&partnerID=40&md5=b45943673605913db583c493d6e3e9d1
Ab-initio predictions of mechanical, electronic, magnetic, and transport properties of bulk and heterostructure of a no	Bhattacharya J., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, T	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150050417&doi=10.1016%2fj.jpcs.2023.111307&partnerID=40&md5=1dcda9cddbba0fea980b900b8d88d89e
Nano to macro-mechanical properties of laser directed energy deposited CoCrNi medium entropy alloy	Deshmukh P.S., Department of Mechanical Engineering, Indian Institute of Technology, Madhya Pradesh, Indore, 453552,	Engineering Sciences	Materials Today Communications	2023	0	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163067520&doi=10.1016%2fj.mtcomm.2023.106351&partnerID=40&md5=bd4260bb20a412175ac5610d1063aac8
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Analysis of serum trace elemental content in pre-post chemotherapy breast cancer patients using synchrotron radiati	B. G.N., Department of Physics, Government College (Autonomous), Rajamahendravaram, 533105, India; S. S., Depart	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	0	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171632317&doi=10.1016%2fj.nuclphysbps.2023.09.008&partnerID=40&md5=93fb64b82bb028c8ce6f1e755b9f79ad
Excellent Electrocaloric and Energy Storage Capabilities in (Na0.8K0.2)0.5Bi0.5TiO3 Ceramic	Varade P., Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumb	Physical Sciences	ACS Applied Electronic Materials	2023	3	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176108163&doi=10.1021%2facsaelm.3c01063&partnerID=40&md5=0a55b87468df3a36bd7c7572b3e959c6
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Development of Cu-based shape memory alloy through selective laser melting from elemental powder mixture: Proce	Singh S., Mechatronics and Instrumentation Lab, Department of Mechanical Engineering, Indian Institute of Technology In	Engineering Sciences	Journal of Alloys and Compounds	2023	7	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163464799&doi=10.1016%2fj.jallcom.2023.171029&partnerID=40&md5=4b6c65ea0586e8ce7fd60f7c858f2fa3
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Atypical magnetism in Pt/MgO/FeCoB/Pt waveguide structure by exchanging the order of MgO and FeCoB layers	Jamal M.S., UGC-DAE Consortium for Scientific Research, Indore, India; Singh S., IIT Hyderabad, Academic Block B-216, Kar	Physical Sciences	Acta Materialia	2023	3	1359-6454	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167978980&doi=10.1016%2fj.actamat.2023.119150&partnerID=40&md5=36df67ec5f614434ee3d0ecff5fedfc1
Study of parametric effect on laser directed energy deposited Austenitic steel and Inconel functionally graded materia	Tudu N., Production and Industrial Engineering Department, National Institute of Technology, Jharkhand, Jamshedpur, Ind	Engineering Sciences; Physical Sciences	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of	2023	1	0954-4062	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153061891&doi=10.1177%2f09544062231166839&partnerID=40&md5=f32f798cbb695c316b83011c5cc86a7e
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A 90° retro-reflecting mirror based autocorrelator for temporal duration and pulse front tilt measurements of ultra-sh	Daiya D., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Mumbai	Physical Sciences	Applied Physics B: Lasers and Optics	2023	1	0946-2171	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171296747&doi=10.1007%2fs00340-023-08097-6&partnerID=40&md5=8af86bbc4aa630e29757f1a5d430f683
Microstructure and defect evolution in oxygen ion-irradiated pure nickel – Insights from experimental probes and mo	Saha U., Variable Energy Cyclotron Centre, West Bengal, Kolkata, 700064, India; Dutta A., Variable Energy Cyclotron Centr	Engineering Sciences; Physical Sciences	Materials Chemistry and Physics	2023	1	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160322269&doi=10.1016%2fj.matchemphys.2023.127916&partnerID=40&md5=6e329889c2e05ba3d8d3c4a92d8d8483
Influence of the interlayer temperature on structure and properties of CMT wire arc additive manufactured NiTi struc	Singh S., Mechatronics and Instrumentation Lab, Department of Mechanical Engineering, Indian Institute of Technology In	Engineering Sciences	Journal of Alloys and Compounds	2023	5	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165929514&doi=10.1016%2fj.jallcom.2023.171447&partnerID=40&md5=e9a7fdbe07a22f4c13524eb490f36718
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A comparative assessment of the effects of laser shock peening and ultrasonic shot peening on surface integrity and r	Dwivedi P.K., Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, 769008,	Physical Sciences	International Journal of Fatigue	2023	11	0142-1123	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169793593&doi=10.1016%2fj.ijfatigue.2023.107902&partnerID=40&md5=cf4afd37f6a7f3abd8e8d1d4ea067048
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Nonmagnetic Sn doping effect on the electronic and magnetic properties of antiferromagnetic topological insulator M	Changdar S., Department of Condensed Matter and Materials Physics, S. N. Bose National Centre for Basic Sciences, Salt L	Physical Sciences	Physica B: Condensed Matter	2023	3	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150020174&doi=10.1016%2fj.physb.2023.414799&partnerID=40&md5=28d1cec14bc64e07c10998aa50dc9754
Sol-gel prepared amorphous Ta2O5 thin film for application in high LIDT antireflection coating and UV photodetection	Pal S., Optical Coating Laboratory, High Energy Laser & Optics Section, Raja Ramanna Centre for Advanced Technology, Ind	Physical Sciences	Optical Materials	2023	4	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164218015&doi=10.1016%2fj.optmat.2023.114097&partnerID=40&md5=8f96065dd167275be4e22eee405c3180
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Enhanced magnetoelectric coupling in novel rare earth metal substituted Sr based Z-hexaferrites/P(VDF-HFP) compos	Singh S., Department of Physics, Maharshi Dayanand University, Rohtak, 124001, India, University Institute of Engineering	Physical Sciences	Ceramics International	2023	0	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159232491&doi=10.1016%2fj.ceramint.2023.05.063&partnerID=40&md5=0da6445bdeed076af7c2e3b8e1c6f2cf
Enhancement of ferroelectric polarization in magnetoelectric coupled manganese ferrite (MnFe2O4)/P(VDF-TrFE) nan	Pradhan S., Laser Biomedical Applications Division, Raja Ramanna Centre for Advanced Technology, Madhya Pradesh, Ind	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	0	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167409376&doi=10.1007%2fs10854-023-11032-2&partnerID=40&md5=a02c61c2f87e7791ed2bc17ab72dcc47
Ultrahigh vacuum pressure measurement using magneto-optical trap on atom chip	Supakar S., Laser Physics Applications Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India; Sin	Physical Sciences	Journal of Applied Physics	2023	1	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164801508&doi=10.1063%2f5.0156305&partnerID=40&md5=ca18533ef51ea1d2194d74d337cbdbfa
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Electronic structure studies of RbLn2Fe4As4O2 (Ln = Sm, Tb, Dy and Ho) compounds	Pokhriyal A., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Anus	Physical Sciences	Materials Today Communications	2023	2	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161475918&doi=10.1016%2fj.mtcomm.2023.106210&partnerID=40&md5=d5fe6a3a53553b5b091a4a6e3391bf50
Interplay of Magnetic Interaction and Electronic Structure in New Structure RE-12442 Type Hybrid Fe-Based Supercon	Pokhriyal A., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Anus	Physical Sciences	Magnetochemistry	2023	0	2312-7481	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166440382&doi=10.3390%2fmagnetochemistry9070164&partnerID=40&md5=52d0594e008861e66e5bf602df071e27
A simulation of undiagnosed population and excess mortality during the COVID-19 pandemic	Dasgupta R., Laser Biomedical Applications Division, Raja Ramanna Centre of Advanced Technology, Indore, 452013, India	Physical Sciences	Results in Control and Optimization	2023	1	2666-7207	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163812274&doi=10.1016%2fj.rico.2023.100262&partnerID=40&md5=d57574429fee4abd998393fa60a168b8
Interfacial electronic structure modulated magnetic properties in Ta/CoFeB/Ta multilayers	S K S., Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Tamil Nadu, Kattankulathur,	Physical Sciences	Surfaces and Interfaces	2023	0	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162034669&doi=10.1016%2fj.surfin.2023.103043&partnerID=40&md5=49b148eedd645761d700df58656a1d5b
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Significance of diffraction peak shapes in determining crystallite size distribution: a peak shape analysis procedure for	Bhakar A., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, Indo	Physical Sciences	Journal of Applied Crystallography	2023	1	0021-8898	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174527841&doi=10.1107%2fS1600576723007367&partnerID=40&md5=040ed4d8d9280024c9114cd45f1d04f3
Investigations on RF sputtered TiN thin films and Cu/TiO2/TiN devices for resistive switching memory applications	Sahu V.K., Laser Material Processing Division, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, India, Hom	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	0	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171344319&doi=10.1007%2fs10854-023-11235-7&partnerID=40&md5=063d23e1dbe996c925979198708d6e34
Low-Temperature Thermoelectric Power Behavior of Nd1 − xGdxCo2: Insights from Impurity and Spin Wave Scattering	Pandya S., UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, MP, Indore, 452017, India, De	Physical Sciences	Journal of Low Temperature Physics	2023	0	0022-2291	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158096359&doi=10.1007%2fs10909-023-02965-3&partnerID=40&md5=e904f81f1a7c0ebc41c0e93e9065578b
Structural and magnetic interplay in multiferroic Ho0.5Nd0.5Fe3(BO3)4	Tripathy A., UGC-DAE Consortium for Scientific Research, Indore, 452001, India; Gautam K., UGC-DAE Consortium for Scie	Engineering Sciences; Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163524761&doi=10.1103%2fPhysRevB.107.214106&partnerID=40&md5=97dc3098c11d6aa93b0ffb2609fca516
Evading the strength-ductility compromise in medium manganese steel by a novel low temperature warm rolling trea	Chandan A.K., Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, 201002, India, Materials Engineering Div	Physical Sciences	Materials Characterization	2023	1	1044-5803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176311800&doi=10.1016%2fj.matchar.2023.113445&partnerID=40&md5=bb68609549dd01cd3e6454ba7819febe
Structural origin of room-temperature ferroelectricity in spark-plasma sintered DyCrO3 and LaCrO3	Mishra S., Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India; Keerthana, Cryoger	Physical Sciences	Physical Review B	2023	3	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163565105&doi=10.1103%2fPhysRevB.107.214104&partnerID=40&md5=9f20f07878ede9904ef4e556c0e04c8b
Multiple exciton generation in VO2	Sahu S.R., UGC-DAE Consortium for Scientific Research, Indore, 452001, India; Khan S., Nano Science Laboratory, Material	Physical Sciences	Physical Review B	2023	2	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172423286&doi=10.1103%2fPhysRevB.108.125133&partnerID=40&md5=28e7f9183702b7ea909a02319ae4a8a9
X-ray induced ultrafast charge transfer in thiophene-based conjugated polymers controlled by core-hole clock spectro	Velasquez N., Sorbonne Université, CNRS, Laboratoire de Chimie Physique-Matière et Rayonnement, LCPMR, Paris, F-7500	Physical Sciences	Physical Chemistry Chemical Physics	2023	0	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180122318&doi=10.1039%2fd3cp04303g&partnerID=40&md5=bc0bbac653d575349acd894462bffca3
Optical response of Au films for reproducible Si nano-structuring and its application for efficient micro-drop SERS with	Verma S., Materials Engineering Section, Laser Materials Processing Division, Raja Ramanna Centre for Advanced Technolo	Physical Sciences	Materials Chemistry and Physics	2023	1	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161983959&doi=10.1016%2fj.matchemphys.2023.128058&partnerID=40&md5=e876d7673ad1fee4b7175bc4679391b6
Structural alterations in cell organelles induced by photodynamic treatment with chlorin p6-histamine conjugate in hu	Parihar A., Industrial Waste Utilization, Nano and Biomaterials, CSIR – Advanced Materials and Processes Research Institut	Life Sciences	Luminescence	2023	7	1522-7235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132884845&doi=10.1002%2fbio.4307&partnerID=40&md5=d51bdd32415af92e9aecdadd06774370
Large unsaturated magnetoresistance and electronic structure studies of single-crystal GdBi	Dwari G., Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research, Homi	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163342623&doi=10.1103%2fPhysRevB.107.235117&partnerID=40&md5=1ec23dc6db9f3b2d6798717222f92ead
Ultrafast self-powered visible blind UV photodetectors based on MgZnO vertical Schottky junction in crossbar geomet	Das A.K., Oxide Nano-Electronics Laboratory, Laser Material Processing Division, Raja Ramanna Centre for Advanced Techn	Physical Sciences	Sensors and Actuators A: Physical	2023	2	0924-4247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168805691&doi=10.1016%2fj.sna.2023.114612&partnerID=40&md5=822e8de8abf13a7c258696b14a0ae925
Preliminary Parametric Investigations into Macro-Laser Polishing of Laser-Directed Energy Deposition of SS 304L Bulk	Saini V.K., Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Uttar Pradesh, Kanpur, 208016,	Engineering Sciences	Crystals	2023	0	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178165115&doi=10.3390%2fcryst13111604&partnerID=40&md5=2b80ae50906fa54e7b8247827fddff59
Al2O3 barrier layer for enhancing UV to visible rejection ratio in p-Si/n-MgZnO heterojunction visible blind UV photod	Chetia S.K., Oxide Nano-Electronics Lab., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Technolo	Physical Sciences	Physica B: Condensed Matter	2023	6	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160427202&doi=10.1016%2fj.physb.2023.415021&partnerID=40&md5=3e21977b553dd2e9a78a503bbb7e6c65
Unpinned Dirac-Fermions in Carbon-Phosphorus-Arsenic-Based Ternary Monolayers	Kumar A., Theory and Simulations Laboratory, Theoretical and Computational Physics Section, Raja Ramanna Centre for A	Physical Sciences	Journal of Physical Chemistry C	2023	1	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179617000&doi=10.1021%2facs.jpcc.3c05260&partnerID=40&md5=d7ea85c63434e5352bf59171a6f22ea5
A simple intra-beam alignment setup for tiled grating assembly based laser pulse compressor of high energy ultrashor	Sharma A.K., Laser Technology Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhal	Physical Sciences	Sadhana - Academy Proceedings in Engineering Sciences	2023	0	0256-2499	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162998022&doi=10.1007%2fs12046-023-02170-8&partnerID=40&md5=24bf8cb1115df42b1a94c35a83eef5ca

Study of PID controller gain for active vibration control using FEM based particle swarm optimization in COMSOL mult	Sumit, Homi Bhabha National Institute, Mumbai, Maharashtra, Anushaktinagar, India, Synchrotron Utilization Section, Raj	Engineering Sciences	Journal of Micromanufacturing	2023	4	2516-5984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161271956&doi=10.1177%2f25165984221086439&partnerID=40&md5=a5b2cf61cc1a6cd3cb296b3e8e89f309
Investigation of the Structural, Dielectric, Magnetic, and Magnetoelectric Properties of Nd-Substituted Sr3Co2Fe24O4	Singh S., Department of Physics, Maharshi Dayanand University, Rohtak, 124001, India, University Institute of Engineering	Physical Sciences	ECS Journal of Solid State Science and Technology	2023	0	2162-8769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173577514&doi=10.1149%2f2162-8777%2facf8f4&partnerID=40&md5=1185dc2e356643f00f68e1a0bdac16dd
Evolution of bulk magnetic structure in MnSi thin film: a soft x-ray magnetic circular dichroism study	Jena S., Department of Physics, Central University of South Bihar, Bihar, Gaya, 824236, India; Choi W.-Y., Department of Pl	Physical Sciences	Physica Scripta	2023	2	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163310667&doi=10.1088%2f1402-4896%2facdc5e&partnerID=40&md5=d6fdd0e8f8b7b21bae6122076aa03457
An Alternative Approach to Study Photo-catalytic Behavior of TiO2 Using Synchrotron-Based Advanced Spectroscopic	Kumari A., Department of Physics, Central University of South Bihar, Bihar, Gaya, 824236, India; Zaman M., Department of	Physical Sciences	Journal of Materials Engineering and Performance	2023	6	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147180409&doi=10.1007%2fs11665-023-07876-8&partnerID=40&md5=edd23d3be212f31ea4c84e1271cca199
Soil assessment for heavy metal contamination and potential ecological risks	Kumar G.V., Chitkara University School of Engineering and Technology, Chitkara University, Himachal Pradesh, 174103, Ind	Physical Sciences	Research Journal of Chemistry and Environment	2023	0	0972-0626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174610797&doi=10.25303%2f2710rjce038045&partnerID=40&md5=edd0c75a8fd061eb7ce89a1e3c8d524a
Flexible ZnO:PVDF based free standing piezoelectric nanogenerator for vibrational energy harvesting and wearable sh	Mahapatra A., Oxide Nano-Electronics Lab., Laser Material Processing Division, Raja Ramanna Centre for Advanced Techn	Physical Sciences	Journal of Alloys and Compounds	2023	8	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163742050&doi=10.1016%2fj.jallcom.2023.170898&partnerID=40&md5=e85251d99f9141393ce5c4c699ec95be
Bulk electronic structure of Ni2MnGa studied by density functional theory and hard x-ray photoelectron spectroscopy	Bhattacharya J., Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Maharashtra, Mumbai, 40009	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174023620&doi=10.1103%2fPhysRevB.108.L121114&partnerID=40&md5=c0e3b37880e52436b79c88722a3e4964
Laser Directed Energy Deposition of High-Carbon High-Chromium D2 Tool Steel Structures: Processing, Heat Treatmen	Yadav S., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400094, India, Raja Ramanna Centre fo	Engineering Sciences; Physical Sciences	Journal of Materials Engineering and Performance	2023	2	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140844203&doi=10.1007%2fs11665-022-07470-4&partnerID=40&md5=e4ba2067abff79779d0cd3f05b078fa4
Structural correlation to enhanced magnetodielectric properties of Pr-doped polycrystalline Gd0.55Pr0.45MnO3 at lo	Pant P., Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India; Agarwal H., Depart	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	1	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150785923&doi=10.1016%2fj.jmmm.2023.170621&partnerID=40&md5=9b5143d888e666a5ce4d70959624bf2d
Effect of nano-size on magnetostriction of BiFeO3 and exceptional magnetoelectric coupling properties of BiFeO3_P(V	Pradhan S., Laser Biomedical Applications Division, Raja Ramanna Centre for Advanced Technology, Madhya Pradesh, Ind	Physical Sciences	Smart Materials and Structures	2023	2	0964-1726	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150485349&doi=10.1088%2f1361-665X%2facc1b7&partnerID=40&md5=b0cdfcd612a4ea25ff01baaf99bca490
Electronic structure, magnetic order and Lifshitz transition in electron doped new structure 12442 type Fe-based supe	Pokhriyal A., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Anus	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	2	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141304706&doi=10.1016%2fj.jpcs.2022.111085&partnerID=40&md5=41aeaa0807c5db38aa1bd12bdf43c962
Iterative piezo response function-based optimization for static shape control of cantilever beam using nonlinear piezo	Sumit, Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Accelerator Physics and Synchrotrons Uti	Engineering Sciences; Physical Sciences	Smart Materials and Structures	2023	1	0964-1726	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143866844&doi=10.1088%2f1361-665X%2faca4ae&partnerID=40&md5=d2051552f1043c10f37e7089b43fe11d
The effects of lithium on human red blood cells studied using optical spectroscopy and laser trap	Singh Y., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Chowdhury A	Physical Sciences	European Biophysics Journal	2023	0	0175-7571	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150032594&doi=10.1007%2fs00249-023-01643-2&partnerID=40&md5=a9623c64b936bfe9d0665f8838dac241
Influence of indium and selenium co-doping on structural and thermoelectric properties of Bi2Te3 alloys	Hegde G.S., Department of Physics (Post Graduate Section), KLE's Society S. Nijalingappa College, Rajajinagar, Bengaluru, 5	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	1	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160433195&doi=10.1007%2fs10854-023-10547-y&partnerID=40&md5=fa225a380e38ce37fe86cb048ea7b307
Estimation of barocaloric effect across the magnetostructural transition in Mn–Co–Ge alloy from magnetization meas	Sharma V.K., FEL & Utilization Section, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabh	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	2	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143730723&doi=10.1016%2fj.jmmm.2022.170236&partnerID=40&md5=c2e7919a11134490b4d8b5137dc05d05
Design and performance of a double-solenoid magnetic bottle photoelectron spectrometer for attosecond metrology	Kumar M., Raja Ramanna Centre for Advanced Technology, Indore, 452 013, India; Singhal H., Raja Ramanna Centre for Ad	Physical Sciences	Review of Scientific Instruments	2023	0	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147909798&doi=10.1063%2f5.0105623&partnerID=40&md5=4299d290a98e5d2de3c02bc5ba5ecf55
On origin of resistive and capacitive contributions to impedance of memory states in Cu/TiO2/Pt RRAM devices by im	Sahu V.K., Laser Material Processing Division, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, India, Hom	Physical Sciences	Ceramics International	2023	5	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139240486&doi=10.1016%2fj.ceramint.2022.09.188&partnerID=40&md5=8e20c9be4d8f4b3a1879405d1634681d
Electronic and transport properties of Heusler alloy based magnetic tunneling junctions: A first principles study	Bhattacharya J., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, T	Physical Sciences	Computational Materials Science	2023	4	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140807804&doi=10.1016%2fj.commatsci.2022.111852&partnerID=40&md5=a1ef17537752fcfc80546ce7ac863c32
Online monitoring and active control of alignment errors in a tiled grating assembly using single wedge plate	Daiya D., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Mumbai	Physical Sciences	Optics and Lasers in Engineering	2023	1	0143-8166	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141258997&doi=10.1016%2fj.optlaseng.2022.107355&partnerID=40&md5=fded85563bfa0881046481fcf64dbda2
Study of metal-assisted chemical etching of silicon as an alternative to dry etching for the development of vertical con	Sharma V.P., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, India, Synchrotrons Utilization Secti	Engineering Sciences; Physical Sciences	Journal of Micromanufacturing	2023	3	2516-5984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145251416&doi=10.1177%2f25165984211033422&partnerID=40&md5=7a86815f07dc8444b748070b510b1785
Effect of electronic transitions on near edge optical properties of off-stoichiometric boron carbide thin films	Modi M.H., Soft X-ray Applications Lab, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhab	Physical Sciences	Journal of Applied Physics	2023	1	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158160603&doi=10.1063%2f5.0145828&partnerID=40&md5=e21abdefd43cada58eefa85d15efc108
Absence of presumed ferroelectricity in methylammonium lead chloride single crystals representing organic-inorganic	Dutt S., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, Indore,	Physical Sciences	Materials Chemistry and Physics	2023	1	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144087791&doi=10.1016%2fj.matchemphys.2022.127169&partnerID=40&md5=beba8742f33fd6a018c9c2ad2392405d
Effect of substitution of 3d, 4d and 5d elements on structural, electronic, magnetic properties and XMCD spectra of C	Dutt R., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Training S	Physical Sciences	AIP Advances	2023	1	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148456690&doi=10.1063%2f9.0000508&partnerID=40&md5=e9ad53d718fc33ab5eaa5ef132e771e5
Non-Destructive Assessment of the Nutrient Profile of Underutilized Seeds Using Spectroscopic Probes	Sharma S., Saha's Spectroscopy Laboratory, Department of Physics, University of Allahabad, Prayagraj, India; Sharma S., Sa	Physical Sciences	Analytical Letters	2023	3	0003-2719	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134166821&doi=10.1080%2f00032719.2022.2099414&partnerID=40&md5=273ab53a5b2e54d2328c3fb155b4ba29
Role of Different Solvents and Tailor-Made Additives in Asymmetry in Growth Rates along the Opposite Ends of the Po	Singh M.K., Theory & Simulation Laboratory, Theoretical and Computational Physics Section, Raja Ramanna Centre for Adv	Physical Sciences	Crystal Growth and Design	2023	1	1528-7483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143620171&doi=10.1021%2facs.cgd.2c00882&partnerID=40&md5=ad11d09214613658d482d9d05fa0dff3
Measurements for static shape control optimization of silicon mirror using nonlinear piezoceramic actuators	Sumit, Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Accelerator Physics and Synchrotrons Uti	Engineering Sciences; Physical Sciences	Smart Materials and Structures	2023	0	0964-1726	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148666074&doi=10.1088%2f1361-665X%2facb86d&partnerID=40&md5=e24aebc5ce620ac778fcf7ca1054ee44
Improvement of Stress Corrosion Cracking Resistance of Shear Cut 304L Stainless Steel through Laser Shock Peening	Gupta R.K., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, India; Ra	Physical Sciences	Journal of Materials Engineering and Performance	2023	0	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167352206&doi=10.1007%2fs11665-023-08585-y&partnerID=40&md5=16e67ef2d153c11db427fdad80d51048
Effect of electrical poling on the structural, vibrational, and electrical properties of 0.94(Na0.5Bi0.5TiO3) -(0.06-x) CaT	Samantaray K.S., Department of Physics, Indian Institute of Technology Indore, Indore, 453552, India; Amin R., Departmen	Physical Sciences	Ceramics International	2023	4	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146124187&doi=10.1016%2fj.ceramint.2023.01.018&partnerID=40&md5=64930f994ee2fd875e55be3cd27f0123
High output power density owing to enhanced charge transfer in ZnO-based triboelectric nanogenerator	Ajimsha R.S., Oxide Nano Electronics Lab, Laser Material Processing Division, Raja Ramanna Centre for Advanced Technolo	Physical Sciences	Energy	2023	8	0360-5442	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140228030&doi=10.1016%2fj.energy.2022.125646&partnerID=40&md5=7b0bd715c1574a14473fb8e8ce44f2c0
Vector dark-bright pulses from a ytterbium doped fiber laser mode-locked by nonlinear multimode interference	Gupta P.K., Laser Technology Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabh	Engineering Sciences; Physical Sciences	Laser Physics	2023	2	1054-660X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150427684&doi=10.1088%2f1555-6611%2facc01f&partnerID=40&md5=b9a0b5dbe3b2dfecfaaa01e86ee012bb
Effect of Al2O3 layer thickness on leakage current and dielectric properties of atomic layer deposited Al2O3/TiO2/Al2	Padhi P.S., Oxide Nano Electronics Lab., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Technolog	Physical Sciences	Journal of Materials Science: Materials in Electronics	2023	8	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159667814&doi=10.1007%2fs10854-023-10615-3&partnerID=40&md5=0f6f0430e06a54869e81d51a1ae95224
Electric field-induced nonlinear behavior of lead zirconate titanate piezoceramic actuators in bending mode	Sumit, Homi Bhabha National Institute, Mumbai, India, Synchrotrons Utilization Section, Raja Ramanna Centre for Advanc	Engineering Sciences	Mechanics of Advanced Materials and Structures	2023	11	1537-6494	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129152407&doi=10.1080%2f15376494.2022.2050966&partnerID=40&md5=51b699528f68ecf964b85babadb1fc91
Elucidating laser directed energy deposition based additive manufacturing of copper-stainless steel functionally grade	Yadav S., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400094, India, Raja Ramanna Centre fo	Engineering Sciences; Physical Sciences	Journal of Manufacturing Processes	2023	5	1526-6125	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149324193&doi=10.1016%2fj.jmapro.2023.02.041&partnerID=40&md5=46158b9bca6fee617876716d7e977a1c
Artificial neural network-based modeling of flashlamp characteristics	Mairaj A., School of Sciences, Indiana University Kokomo, 2300 South Washington St, Kokomo, 46902, IN, United States; A	Physical Sciences	Electrical Engineering	2023	0	0948-7921	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142526346&doi=10.1007%2fs00202-022-01685-3&partnerID=40&md5=ac3769ec6d9c907e76b8c41bb4c9cdd1
Infrared-to-visible conversion in strontium sulphate through a defect-based infrared stimulated visible emission phen	Sharma B., Functional BioMaterials Laboratory, Laser Biomedical Applications Division, Raja Ramanna Centre for Advanced	Physical Sciences	Luminescence	2023	2	1522-7235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149389421&doi=10.1002%2fbio.4461&partnerID=40&md5=c15e54da9cd23daaeab17abda27719be
An additional simultaneous magnetic ordering and magneto-capacitive behavior with dielectric relaxation besides mu	Bera G., Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur, 495009, India, UGC-DAE CSR,	Physical Sciences	Journal of Physics Condensed Matter	2023	0	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147046130&doi=10.1088%2f1361-648X%2facb0a4&partnerID=40&md5=dc0fec3557240d55a61fe843fb18a327
Development and characterization of atom chip for magnetic trapping of atoms	Singh V., Laser Physics Applications Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi	Engineering Sciences; Physical Sciences	Journal of Applied Physics	2023	5	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148909147&doi=10.1063%2f5.0130749&partnerID=40&md5=7d2d484a31ca3f4929633711408f66a1
First-principles study to probe the effect of substitution at X and Z sites on the electronic, magnetic and transport pro	Dutt R., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Training S	Physical Sciences	Solid State Communications	2023	2	0038-1098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142696889&doi=10.1016%2fj.ssc.2022.115022&partnerID=40&md5=2c6358077369c06964bbab80a528be45
A Study on Effect of Multiple Laser Shock Peening on Microstructure, Residual Stress, and Mechanical Strength of 2.5	Muthukumaran G., School of Mechanical Engineering, SASTRA Deemed University, Thanjavur, 613401, India; Rai A.K., Lase	Physical Sciences	Journal of Materials Engineering and Performance	2023	6	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139485945&doi=10.1007%2fs11665-022-07402-2&partnerID=40&md5=7eff3f889827862b41302b2113988f68
Laser textured superhydrophilic silicon for uniform solidification and sensitive detection of water based samples using	Ahlawat S., Laser Technology Division, Raja Ramanna Centre Advanced Technology, M. P. 452013, Indore, India; Mukhopa	Physical Sciences	Journal of Analytical Atomic Spectrometry	2023	1	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150166663&doi=10.1039%2fd2ja00383j&partnerID=40&md5=814b89c0b3845e25462baf119422ba9e
Cs2KMnCl6: A possible half-metallic double perovskite for spintronics	Ramawat S., Department of Physics, Indian Institute of Technology, Jodhpur, 342030, India; Kukreti S., Department of Phy	Physical Sciences	Journal of Applied Physics	2023	4	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158113668&doi=10.1063%2f5.0145861&partnerID=40&md5=4ca7182eb816279385e84348cd9b7ee4
Optimization of Track Height of LDED Inconel Alloy-718	Maurya A.K., Department of Mechanical Engineering, National Institute of Technology, Bihar, Patna, India; Amit K., Depart	Engineering Sciences	NanoWorld Journal	2023	1	2379-1101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168117304&doi=10.17756%2fnwj.2023-s1-038&partnerID=40&md5=86b79838bbea80742564f89030fd861d
Interface-resolved study of magnetism in MgO/FeCoB/MgO trilayers using x-ray standing wave techniques	Jamal M.S., UGC-DAE Consortium for Scientific Research, Indore, 452001, India; Gupta P., Raja Ramanna Centre for Advan	Physical Sciences	Physical Review B	2023	7	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148327529&doi=10.1103%2fPhysRevB.107.075416&partnerID=40&md5=49800b62a472adb6ee0f67f6a860f9f5
Study of oxidation behaviour of Ruthenium thin film after thermal annealing in oxygen environment	Gupta S., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, Indor	Physical Sciences	Thin Solid Films	2023	4	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142747567&doi=10.1016%2fj.tsf.2022.139606&partnerID=40&md5=0503c5b6180878bb4f0e26cc1a114305
Direction dependent crystalline perfection, Z-scan studies and fabrication of Type-I and Type-II SHG elements using im	Sidden C., Department of Physics, V.S.B. Engineering College, Tamil Nadu, Karur, 639111, India, Centre for Crystal Growth,	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	2	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140987472&doi=10.1016%2fj.jpcs.2022.111065&partnerID=40&md5=126b4afa4a053779c81053d32f694e5b
As K-edge absorption at high pressures in AFeAs (A=Na/Li): First principles results	Ghosh S., Chemical Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, 94720, CA, United States; Ghosh I	Physical Sciences	Journal of Electron Spectroscopy and Related Phenomena	2023	1	0368-2048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149057408&doi=10.1016%2fj.elspec.2023.147286&partnerID=40&md5=265e5360046c855cdb98df323e9ac0f6
Boron migration during amorphous to crystalline transformation in CoFeB/MgO multilayers: A reflectivity study	Vishwakarma P., Amity Centre for Spintronic Materials, Amity University UP, Sector 125, Noida, 201 313, India, Internation	Physical Sciences	Materials Research Bulletin	2023	1	0025-5408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145971714&doi=10.1016%2fj.materresbull.2023.112150&partnerID=40&md5=1a23cd45173298eab65a56f98a8cba1c
A method for loading magneto-optical trap in an ultrahigh vacuum environment	Bhardwaj K., Laser Physics Applications Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India; Sa	Physical Sciences	AIP Advances	2023	0	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145883638&doi=10.1063%2f5.0106398&partnerID=40&md5=4f7fdf4c1c783e43dc35afff625c0987
Addressing key aspects of J × B driven MeV fast electron generation in ultra-short ultra-intense laser foil interaction	Mandal T., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400 094, India, Raja Rama	Physical Sciences	Physics of Plasmas	2023	2	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149130885&doi=10.1063%2f5.0109270&partnerID=40&md5=5fc1e146c5a0cd7bb3d51398ff0f356d
Magnetic-Moment-Induced Metal–Insulator Transition in ThMnXN (X = As, P): A First Principles Study	Sen S., Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181—UCCS—Unité de Catalyse et Chimie du Solide, Lille	Physical Sciences	Magnetochemistry	2023	2	2312-7481	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146816606&doi=10.3390%2fmagnetochemistry9010016&partnerID=40&md5=3f71c42ba0abafa80978898b0dc0298c
Role of nitrogen partial pressure, deposition rate and annealing on stability of β-W phase	Singh H., Department of Physics, National Institute of Technology Uttarakhand, Srinagar Garhwal, 246174, India; Gupta M	Physical Sciences	Applied Physics A: Materials Science and Processing	2023	0	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152518376&doi=10.1007%2fs00339-023-06552-x&partnerID=40&md5=d84582faaadcc652524f7b4374b49615
Impact of density dependence of symmetry energy on astrophysical S-factor for heavy-ion fusion reactions	Ghosh T., Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhabha National Institute, Anushakti Nagar, Mur	Physical Sciences	European Physical Journal A	2023	1	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176324778&doi=10.1140%2fepja%2fs10050-023-01173-7&partnerID=40&md5=c541b6453bd4b63a04fb6eb475d5c884
Defect characteristics of cadmium oxide nanocrystallites synthesized via a chemical precipitation method	Ahmed M., Applied Nuclear Physics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhabha Natio	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	6	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162174416&doi=10.1016%2fj.jpcs.2023.111513&partnerID=40&md5=17599654f40e6082ee736e4af846a749
Charge-transfer-driven enhanced room-temperature ferromagnetism in BiFeO3/Ag nanocomposite	Chatterjee T., Advanced Materials and Chemical Characterization Division, CSIR-Central Glass and Ceramic Research Institu	Physical Sciences	Nanotechnology	2023	0	1361-6528	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172425548&doi=10.1088%2f1361-6528%2facf6c6&partnerID=40&md5=83df701980fd2d8cc4a6a1cdd11594bd
Interfacial antiferromagnetic coupling driven magnetotransport properties in ferromagnetic superlattices	Halder S., Theory Division, Saha Institute of Nuclear Physics, A Ci of Homi Bhabha National Institute, Kolkata, 700064, India	Physical Sciences	Physical Review B	2023	1	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179557468&doi=10.1103%2fPhysRevB.108.235111&partnerID=40&md5=7ccfaac1a9be7f9a74bae1e1bd5483b3
Revealing new structures in odd–odd 54 Mn nucleus	Basu S., Variable Energy Cyclotron Centre, Kolkata, 700064, India, Homi Bhabha National Institute, Training School Comple	Physical Sciences	European Physical Journal A	2023	0	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174232890&doi=10.1140%2fepja%2fs10050-023-01147-9&partnerID=40&md5=3d864eef3d1ead62f0843411c07dfd71
Performance of the joint LST-1 and MAGIC observations evaluated with Crab Nebula data	Abe H., Institute for Cosmic Ray Research, University of Tokyo, 5-1-5 Kashiwa-no-ha, Kashiwa, Chiba, 277-8582, Japan; Abe	Physical Sciences	Astronomy and Astrophysics	2023	2	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181004327&doi=10.1051%2f0004-6361%2f202346927&partnerID=40&md5=80ffd5b269088cda59d20ffb65ec4398
Design and studies of thick Gas Electron Multipliers fabricated in India	Roy P., Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhabha National Institute, Mumbai, 400094, India;	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165190456&doi=10.1016%2fj.nima.2023.168404&partnerID=40&md5=8c0c1dd218ee74ada27c9f0c24b39707
Detection of Nontrivial Topology Driven by Charge Density Wave in a Semi-Dirac Metal	Alam R., Department of Condensed Matter and Materials Physics, S. N. Bose National Centre for Basic Sciences, Sector III,	Life Sciences	Advanced Functional Materials	2023	1	1616-301X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169164765&doi=10.1002%2fadfm.202306751&partnerID=40&md5=2540514b131894114e7c703a5c65fbf0
Production and validation of industrially produced large-sized GEM foils for the Phase-2 upgrade of the CMS muon sp	Abbas M., Karlsruhe Institute of Technology, Karlsruhe, Germany; Abbrescia M., Politecnico di Bari, Università di Bari and I	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173049159&doi=10.1016%2fj.nima.2023.168723&partnerID=40&md5=5efe9672593f4bacfe5224dcd44f6e54
Magnetic and magnetocaloric properties of polycrystalline Pr1 −xCaxMnO3 (x ∼ 0.85, 0.90, 0.95) compounds: Emerge	Karikar A., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF-Bidhannagar, Kolk	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	0	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173462040&doi=10.1016%2fj.jmmm.2023.171334&partnerID=40&md5=f5f675c8826f4a6e505a0167816824d0
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Improved Exciton Bandwidth and Edge-On Oriented Ordering of Donor-Acceptor Copolymer Thin Films	Roy S., Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF Bidhannagar, Kolkata, 700064, India	Life Sciences; Physical Sciences	Macromolecules	2023	1	0024-9297	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169926918&doi=10.1021%2facs.macromol.3c00885&partnerID=40&md5=031b84f6b12fa677c778a1527728bc4d
Defect-Mediated Self-Powered Ultraviolet Photodetection of Chemically Tailored Tin-Oxide Nanoparticles	Narzary R., Department of Physics, Rajiv Gandhi University, Arunachal Pradesh, Doimukh, Papumpare, 791112, India; Chel	Physical Sciences	Brazilian Journal of Physics	2023	0	0103-9733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169019854&doi=10.1007%2fs13538-023-01356-z&partnerID=40&md5=d62c09bf92f9489c601c645f9ab97ab0
Itinerant ferromagnetism in a spin-fermion model for diluted spin systems	Chakraborty S., Theory Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 700064	Physical Sciences	Physical Review B	2023	0	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175037755&doi=10.1103%2fPhysRevB.108.165110&partnerID=40&md5=53402fc46cd99dc977c3ba4ed619bee4
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Thermoelectric properties of Ru2TiGe Heusler phase	Mondal S., Maharaja Manindra Chandra College, 20 Ramkanto Bose Street, West Bengal, Kolkata, 700003, India, Condens	Physical Sciences	Journal of Alloys and Compounds	2023	6	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164489644&doi=10.1016%2fj.jallcom.2023.171050&partnerID=40&md5=67a9aa05e7beafcd7d5131690a68960f
Establishing connection between neutron star properties and nuclear matter parameters through a comprehensive m	Patra N.K., Department of Physics, BITS-Pilani, K. K. Birla Goa Campus Goa, 403726, India; Saxena P., Malaviya National Ins	Physical Sciences	Physical Review D	2023	2	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179831881&doi=10.1103%2fPhysRevD.108.123015&partnerID=40&md5=0745a6747e84b741c0326a910e852ccc
Characterization of homogeneous nucleation of superheated liquid droplets by nonlinear analysis	Ali S., Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata, 700064, India, Jadavpur University, Department of Ph	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174719823&doi=10.1016%2fj.nima.2023.168777&partnerID=40&md5=da54a9ecf64bfe14dd6abdfd98c4e9fd
Molecular Dipole Layer and Alkyl Side-Chain Induced Improvement in the Energy Level Alignment and Wetting of Dina	Mandal S., Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF Bidhannagar, Kolkata, 700064, I	Life Sciences; Physical Sciences	Journal of Physical Chemistry C	2023	1	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171772820&doi=10.1021%2facs.jpcc.3c04114&partnerID=40&md5=91e28dbe4bccee44485f3e5ebeccb686
Exotic decay of Cs 115	Das P., Saha Institute of Nuclear Physics, Bidhannagar, Kolkata, India, Homi Bhabha National Institute, Anishanktinagar, M	Physical Sciences	Physical Review C	2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179608426&doi=10.1103%2fPhysRevC.108.064304&partnerID=40&md5=b19873f86383938fc2ca28a567f188ef
Magnetic and transport properties in metallic and disordered Ru2VAl and Ru2VGa	Mondal S., Maharaja Manindra Chandra College, 20 Ramkanto Bose Street, West Bengal, Kolkata, 700003, India, Condens	Physical Sciences	Intermetallics	2023	1	0966-9795	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162162347&doi=10.1016%2fj.intermet.2023.107958&partnerID=40&md5=d21dbcba2d9eb0fea58da722d608e38f
Critical behavior and phase diagram of skyrmion-hosting material Co3.6Fe4.4Zn8Mn4 probed by anomalous Hall effec	Bhattacharya A., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 700064,	Physical Sciences	Journal of Alloys and Compounds	2023	2	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160570381&doi=10.1016%2fj.jallcom.2023.170274&partnerID=40&md5=ff10784bda7c1796e2a463f50c361253
Collective modes of a massive fermion in a magnetized medium with finite anomalous magnetic moment	Chaudhuri N., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Institut	Physical Sciences	Physical Review D	2023	1	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179788698&doi=10.1103%2fPhysRevD.108.116006&partnerID=40&md5=a47bf4614226a744a9d9da76f4ed84bd
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Anisotropic transport properties and high-mobility of charge carriers of antiferromagnetic GdAgSb2	Roy S., Saha Institute of Nuclear Physics, HBNI, 1/AF Bidhannagar, Kolkata, 700064, India, Vidyasagar Metropolitan College	Life Sciences	Journal of Physics Condensed Matter	2023	0	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165519353&doi=10.1088%2f1361-648X%2face22a&partnerID=40&md5=072d91c494ba28f7ee0ff0aed0aaaa87
Role of A site and B site ion substitutions on the low-temperature magnetic behaviour of Ca2Fe2O5	Mukhopadhyay A., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhan Nagar, West Bengal	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	0	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175730972&doi=10.1016%2fj.jmmm.2023.171457&partnerID=40&md5=5370a894a8b90ee65af232a7ab287064
Magnetic-Proximity-Induced Efficient Charge-to-Spin Conversion in Large-Area PtSe2/Ni80Fe20 Heterostructures	Mudgal R., Department of Physics, Indian Institute of Technology Delhi, New Delhi, 110016, India; Jakhar A., Center for Ap	Physical Sciences	Nano Letters	2023	3	1530-6984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180946156&doi=10.1021%2facs.nanolett.3c04060&partnerID=40&md5=0105729bea2903d2556a3dab30df3b5d
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Ellipticity of dilepton production from a hot and magnetized hadronic medium	Mondal R., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Institute, T	Physical Sciences	European Physical Journal A	2023	1	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179131588&doi=10.1140%2fepja%2fs10050-023-01201-6&partnerID=40&md5=97a439f9897c01c13a540dd062f1dca8
Star tracking for pointing determination of Imaging Atmospheric Cherenkov Telescopes: Application to the Large-Sized	Abe K., Department of Physics, Tokai University, 4-1-1, Kita-Kaname, Hiratsuka, Kanagawa, 259-1292, Japan; Abe S., Institu	Physical Sciences	Astronomy and Astrophysics	2023	0	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178403093&doi=10.1051%2f0004-6361%2f202347128&partnerID=40&md5=2020ac2036f15347b91556b65c1a0dab
Statistical properties of superfluid turbulence in He 4 from the Hall-Vinen-Bekharevich-Khalatnikov model	Verma A.K., Centre for Condensed Matter Theory, Department of Physics, Indian Institute of Science, Bangalore, 560012, I	Physical Sciences	Physical Review E	2023	0	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175066433&doi=10.1103%2fPhysRevE.108.045103&partnerID=40&md5=69e6ffb19ed8726da1a087afd3560700
Defect analysis and microstructural characterization of zinc-substituted cadmium oxide nanocrystallites by positron ar	Ahmed M., Applied Nuclear Physics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhabha Natio	Physical Sciences	Physica Scripta	2023	1	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176730178&doi=10.1088%2f1402-4896%2fad03c0&partnerID=40&md5=3e027a6c9a1d8bed2da864177623dd65

The impact of oxygen deficiency on giant exchange bias in perovskite oxide: SrFe0.5Co0.5O3 −δ (δ = 0.37)	Pal K., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 700064, India; Das	Physical Sciences	Journal of Alloys and Compounds	2023	8	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161635866&doi=10.1016%2fj.jallcom.2023.170794&partnerID=40&md5=f5965cdbcfe03ddcca7017905367ccd6
Fuzzballs and random matrices	Das S., Theory Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF, Bidhannagar, Kolka	Physical Sciences	Journal of High Energy Physics	2023	7	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173753366&doi=10.1007%2fJHEP10%282023%29031&partnerID=40&md5=0e38d8eef08776e8f45ec7b0b349d277
Spin-gapless semiconducting characteristics and related band topology of quaternary Heusler alloy CoFeMnSn	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 700064, India;	Physical Sciences	Journal of Materials Chemistry C	2023	3	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180812081&doi=10.1039%2fd3tc03481j&partnerID=40&md5=a0cebcc5b78e377e188462355b7161f3
Temperature dependence of the static quark diffusion coefficient	Banerjee D., Saha Institute of Nuclear Physics, HBNI, Kolkata, 700064, India, Homi Bhabha National Institute, Training Scho	Physical Sciences	Nuclear Physics A	2023	7	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165688414&doi=10.1016%2fj.nuclphysa.2023.122721&partnerID=40&md5=a9aeb90f9297c69aa666d9207a49c57c
Mobility-induced order in active XY spins on a substrate	Haldar A., Theory Division, Saha Institute of Nuclear Physics, A Ci of Homi Bhabha National Institute, 1/AF Bidhannagar, W	Physical Sciences	Physical Review E	2023	2	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172878262&doi=10.1103%2fPhysRevE.108.L032101&partnerID=40&md5=2923ffb81beaa9393b3b95bd5b033681
Right-handed neutrino pair production via second-generation leptoquarks	Bhaskar A., Center for Computational Natural Sciences and Bioinformatics, International Institute of Information Technolo	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	2	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163509604&doi=10.1016%2fj.physletb.2023.138039&partnerID=40&md5=a1ee4d40b4d7fd5553581cf2d0359752
Nucleoside-Derived Metallohydrogel Induces Cell Death in Leishmania Parasites	Bhattacharya S., School of Chemical Sciences, Indian Association for the Cultivation of Science, Kolkata, 700032, India; Bha	Life Sciences	ACS Infectious Diseases	2023	2	2373-8227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170034461&doi=10.1021%2facsinfecdis.2c00635&partnerID=40&md5=1c665537976342972680ba82c9d6bc42
Performance of the CMS High Granularity Calorimeter prototype to charged pion beams of 20-300 GeV/c	Acar B., Boğaziçi University, Bebek, Istanbul, 34342, Turkey; Adamov G., Georgian Technical University, 77 Kostava Str, Tbi	Physical Sciences	Journal of Instrumentation	2023	2	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172004529&doi=10.1088%2f1748-0221%2f18%2f08%2fP08014&partnerID=40&md5=b2a831eb65aec36df2232ce1ee0ed535
Muon g- 2 and W-mass in a framework of colored scalars: an LHC perspective	Chakrabarty N., Department of Physics, Indian Institute of Technology Kanpur, Uttar Pradesh, Kanpur, 208016, India; Chak	Medical and Health Sciences	European Physical Journal C	2023	1	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173094230&doi=10.1140%2fepjc%2fs10052-023-11971-4&partnerID=40&md5=f1865eefcb728541396368ef1f38e872
Multiwavelength study of TeV blazar 1ES 1218+304 using gamma-ray, X-ray and optical observations	Diwan R., Laboratory for Space Research, The University of Hong Kong, 405B Cyberport 4, 100 Cyberport Road Cyberport,	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2023	1	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168148931&doi=10.1093%2fmnras%2fstad2088&partnerID=40&md5=f5540b69228170565ac24af20bbb1d6d
Nature of polaronic hopping conduction mechanism in polycrystalline and nanocrystalline Gd0.5Sr0.5MnO3 compoun	Chatterjee S., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolakta, 700064, Inc	Physical Sciences	Journal of Alloys and Compounds	2023	2	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152278000&doi=10.1016%2fj.jallcom.2023.170011&partnerID=40&md5=f0d10af9d06557be4a3d221d241116e5
Salmonella typhimurium detection and ablation using OmpD specific aptamer with non-magnetic and magnetic graph	Gupta R., National Agri-Food Biotechnology Institute, Sector 81, Mohali, 140306, India, Department of Biotechnology, Pan	Chemical Sciences	Biosensors and Bioelectronics	2023	13	0956-5663	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153673386&doi=10.1016%2fj.bios.2023.115354&partnerID=40&md5=7c5a42a3c471ddf1fdb9aa308576c74b
Sensitivity of the Cherenkov Telescope Array to TeV photon emission from the Large Magellanic Cloud	Acharyya A., University of Alabama, Tuscaloosa, Department of Physics and Astronomy, Gallalee Hall, Box 870324, Tuscalo	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2023	4	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167600749&doi=10.1093%2fmnras%2fstad1576&partnerID=40&md5=cfcbec470543d4dddb118a0b46310007
Anomalous Collective Dynamics of Autochemotactic Populations	Van Der Kolk J., Arnold Sommerfeld Center for Theoretical Physics and Center for NanoScience, Department of Physics, Lu	Physical Sciences	Physical Review Letters	2023	4	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169295994&doi=10.1103%2fPhysRevLett.131.088201&partnerID=40&md5=b2045c9fa038125879392f5089dc2438
Defects characteristic investigation of bismuth ferrite nanocrystallites through positron annihilation and supportive m	Mukherjee S., Applied Nuclear Physics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhaba Nati	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	2	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160207969&doi=10.1016%2fj.jpcs.2023.111462&partnerID=40&md5=011054a6a99a35240a5ddb7ec9807f83
Active XY model on a substrate: Density fluctuations and phase ordering	Haldar A., Theory Division, Saha Institute of Nuclear Physics, A Ci of Homi Bhabha National Institute, 1/AF Bidhannagar, W	Physical Sciences	Physical Review E	2023	2	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172916312&doi=10.1103%2fPhysRevE.108.034114&partnerID=40&md5=749448e25460fc005886100f3c6ea897
Multiple Gold Nanoparticle Cores within a Single SiO2 Shell for Preservable Solid-State Surface-Enhanced Raman Scatt	Dey S., Surface Physics and Material Science Division, Saha Institute of Nuclear Physics, A CI of Homi Bhaba National Institu	Chemical Sciences; Physical Sciences	ACS Applied Nano Materials	2023	5	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169004706&doi=10.1021%2facsanm.3c02455&partnerID=40&md5=b606997062449937b8c54a191a32c876
Enhanced optical properties and dark I-V characteristics of silicon nanowire-carbon quantum dots heterostructures	Mishra S.M., Surface Physics & Material Science Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National I	Physical Sciences	Materials Research Bulletin	2023	4	0025-5408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151626076&doi=10.1016%2fj.materresbull.2023.112262&partnerID=40&md5=5fa7bbfb16faebfc627d1688fdfef074
Sensitivity of the Cherenkov Telescope Array to spectral signatures of hadronic PeVatrons with application to Galactic	Acero F., Université Paris Saclay, Université Paris Cité, CEA, CNRS, AIM, Gif-sur-Yvette Cedex, F-91191, France; Acharyya A.	Physical Sciences	Astroparticle Physics	2023	8	0927-6505	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151783384&doi=10.1016%2fj.astropartphys.2023.102850&partnerID=40&md5=46c1d326bf585fe5510da3b1a6d5856b
State dependence of Krylov complexity in 2d CFTs	Kundu A., Theory Division, Saha Institute of Nuclear Physics, Homi Bhaba National Institute (HBNI), 1/AF, Bidhannagar, Ko	Physical Sciences	Journal of High Energy Physics	2023	16	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169915446&doi=10.1007%2fJHEP09%282023%29011&partnerID=40&md5=5ea0064bd90970b45763deb794f2176c
Strings, branes, Schwarzian action and maximal chaos	Banerjee A., Theory Division, Saha Institute of Nuclear Physics, Homi Bhaba National Institute (HBNI), 1/AF, Bidhannagar,	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy P	2023	9	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146184141&doi=10.1016%2fj.physletb.2022.137632&partnerID=40&md5=a9d90d004a181bcf95a8fe126fc5724a
The preparation of LiF target for reactions involving 7Li target	Sahoo L.K., Saha Institute of Nuclear Physics, Bidhan nagar, Kolkata, 700064, India, Homi Bhabha National Institute, Anush	Physical Sciences	Vacuum	2023	2	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151463298&doi=10.1016%2fj.vacuum.2023.112055&partnerID=40&md5=9741e4bfa67e6a713026536a4b629123
Elevated Levels of Lamin A Promote HR and NHEJ-Mediated Repair Mechanisms in High-Grade Ovarian Serous Carcino	Sengupta D., Biophysics and Structural Genomics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi	Life Sciences	Cells	2023	0	2073-4409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149622122&doi=10.3390%2fcells12050757&partnerID=40&md5=114422aecaad9c3aea29d21a53390bf9
Observation of conventional and inverse magnetocaloric effects in (Dy 0.6 Gd 0.4) 5 Pd 2	Ghosh S., Department of Physics, School of Sciences, National Institute of Technology Andhra Pradesh, Andhra Pradesh, Ta	Physical Sciences	Indian Journal of Physics	2023	1	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142667485&doi=10.1007%2fs12648-022-02531-9&partnerID=40&md5=a16f87c859421888e00c88d8273c91a0
Epigenetic-Metabolic Interplay in the DNA Damage Response and Therapeutic Resistance of Breast Cancer	Das C., Biophysics and Structural Genomics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, India, H	Life Sciences	Cancer research	2023	8	1538-7445	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149176509&doi=10.1158%2f0008-5472.CAN-22-3015&partnerID=40&md5=be8ae698de685beb4c04ef89f6b521fc
2D WS2-Based Single-Electrode Triboelectric Nanogenerator for Power Generation and Motion Sensing	Chekke T., Department of Physics, Rajiv Gandhi University, Arunachal Pradesh, Doimukh, 791112, India; Narzary R., Depar	Physical Sciences	Journal of Electronic Materials	2023	6	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146885455&doi=10.1007%2fs11664-023-10231-1&partnerID=40&md5=0497afa745a5d53442090157dd972485
Nuclear modification factor of average D mesons in an anisotropic quark–gluon plasma at the LHC energies	Shaikh W., Mugberia Gangadhar Mahavidyalaya, Mugberia Itaberia Road, West Bengal, Bhupati Nagar, 721425, India; Ma	Physical Sciences	European Physical Journal Plus	2023	0	2190-5444	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164349886&doi=10.1140%2fepjp%2fs13360-023-04208-6&partnerID=40&md5=39a23c8c5e702f3118b655fd069eb515
Search for Gamma-Ray Spectral Lines from Dark Matter Annihilation up to 100 TeV toward the Galactic Center with M	Abe H., Japanese MAGIC Group, Institute for Cosmic Ray Research (ICRR), The University of Tokyo, Chiba, Kashiwa, 277-85	Physical Sciences	Physical Review Letters	2023	8	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148450343&doi=10.1103%2fPhysRevLett.130.061002&partnerID=40&md5=651e017d02feeed5b90777588cdc63b1
Observational constraint from the heaviest pulsar PSR J0952-0607 on the equation of state of dense matter in relativi	Kumar R., Department of Physics, Himachal Pradesh University, Shimla, 171005, India; Kumar M., Department of Physics,	Physical Sciences	Physical Review C	2023	6	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161333341&doi=10.1103%2fPhysRevC.107.055805&partnerID=40&md5=512ba92b3a58fe3a68ba8fa0b9554937
Multiwavelength study of the galactic PeVatron candidate LHAASO J2108+5157	Abe S., Institute for Cosmic Ray Research, University of Tokyo, 5-1-5, Kashiwa-no-ha, Kashiwa, Chiba, 277-8582, Japan; Ag	Physical Sciences	Astronomy and Astrophysics	2023	7	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160420613&doi=10.1051%2f0004-6361%2f202245086&partnerID=40&md5=d4eefc6e4c6f9478d1382fe94224b334
CREX- and PREX-II-motivated relativistic interactions and their implications for the bulk properties of nuclear matter a	Kumar M., Department of Physics, Himachal Pradesh University, Shimla, 171005, India; Kumar S., Department of Physics,	Physical Sciences	Physical Review C	2023	11	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161272252&doi=10.1103%2fPhysRevC.107.055801&partnerID=40&md5=742b6a11c388dd39bb0d7ca9d0f8e138
New Determination of the 12C(α, γ)16O Reaction Rate and Its Impact on the Black-hole Mass Gap	Shen Y., China Institute of Atomic Energy, P.O. Box 275(10), Beijing, 102413, China; Guo B., China Institute of Atomic Energ	Physical Sciences	Astrophysical Journal	2023	10	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149803485&doi=10.3847%2f1538-4357%2facb7de&partnerID=40&md5=457d4fb6ce683e7ea6f499ea95c5acf9
2D Assembly of Atomically Oriented Gold Nanodisks Leads to Tunable Plasmonic Resonance	Maiti S., Surface Physics and Materials Science Division, Saha Institute of Nuclear Physics, A CI of HBNI, 1/AF, Kolkata, Bidh	Physical Sciences	Journal of Physical Chemistry C	2023	1	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152690272&doi=10.1021%2facs.jpcc.3c00393&partnerID=40&md5=7d2810ea9af99276de07ac58c75e9736
Weak ergodicity breaking in the Schwinger model	Desaules J.-Y., School of Physics and Astronomy, University of Leeds, Leeds, LS2 9JT, United Kingdom; Banerjee D., Theory	Physical Sciences	Physical Review B	2023	25	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158907758&doi=10.1103%2fPhysRevB.107.L201105&partnerID=40&md5=ac0b4a662e6fa848484e1d8c7453c91b
Transition metal oxide assisted quaternary nanoarchitectonics based composite towards enhanced electrochemical e	Ghosh S., Surface Physics and Materials Science Division, Saha Institute of Nuclear Physics, Kolkata, 700032, India, Amity I	Life Sciences	Applied Physics A: Materials Science and Processing	2023	2	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156224546&doi=10.1007%2fs00339-023-06661-7&partnerID=40&md5=53684f71c5223088ca8be8d5eaf8c99a
Magnetic frustration driven by conduction carrier blocking in Nd2 Co0.85 Si2.88	Kundu M., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 700064, India	Physical Sciences	Physical Review B	2023	7	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151296858&doi=10.1103%2fPhysRevB.107.094421&partnerID=40&md5=45a7be8d3b6b1640b042e37c32f83495
Anomalous low temperature magnetic behaviour of Ca2Fe2(1-x)Cr2xO5 (x = 0, 0.1 and 0.2)	Mukhopadhyay A., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhan Nagar, West Bengal	Physical Sciences	Journal of Magnetism and Magnetic Materials	2023	1	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148540428&doi=10.1016%2fj.jmmm.2023.170543&partnerID=40&md5=a38348fe58342c1881c363600bd26b47
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Suberic Acid-Based Supramolecular Metallogels of Ni(II), Zn(II), and Cd(II) for Anti-Pathogenic Activity and Semiconduc	Lepcha G., Department of Chemistry, Visva-Bharati University, Santiniketan, 731235, India; Majumdar S., Department of C	Physical Sciences	Langmuir	2023	11	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160872574&doi=10.1021%2facs.langmuir.3c00765&partnerID=40&md5=4183395b4c9da138aac3663e342ea5f6
Profiling Enzyme Activity of l-Asparaginase II by NMR-Based Methyl Fingerprinting at Natural Abundance	Nag R., Biophysics & Structural Genomics, Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhabha National	Life Sciences	Journal of the American Chemical Society	2023	2	0002-7863	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159628554&doi=10.1021%2fjacs.3c02154&partnerID=40&md5=1333b782bf7943f5edd7a4f722d4c848
Systematic analysis of the impacts of symmetry energy parameters on neutron star properties	Patra N.K., Department of Physics, BITS-Pilani, K. K. Birla Goa Campus, Goa, 403726, India; Venneti A., Department of Phys	Physical Sciences	Physical Review C	2023	9	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161264323&doi=10.1103%2fPhysRevC.107.055804&partnerID=40&md5=1f294ed471feb17c9b01e48c8b200267
Opto-electronic properties of ZrxHf1−xO2/Al/ZrxHf1−xO2 thin-films: The influence of substrate temperature	Sultana R., Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF Bidhannagar, Kolkata, 700 064,	Physical Sciences	Vacuum	2023	1	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151805318&doi=10.1016%2fj.vacuum.2023.112058&partnerID=40&md5=69363f53619d1204a6d0b16d98090319
Nanoparticle Mediated Improved Crystallinity and Connectivity of Semiconducting Polymer Thin Films	Saifuddin M., Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF Bidhannagar, Kolkata, 70006	Life Sciences; Physical Sciences	ACS Applied Polymer Materials	2023	1	2637-6105	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152735467&doi=10.1021%2facsapm.3c00049&partnerID=40&md5=40a30ac97ee00f64884d31549d18ed73
Magnetic properties and universal behaviour of magnetocaloric effect for polycrystalline (Nd0.5Sm0.5)0.5Sr0.5MnO3	Chatterjee S., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF-Bidhannagar, K	Physical Sciences	Journal of Alloys and Compounds	2023	3	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142380358&doi=10.1016%2fj.jallcom.2022.167957&partnerID=40&md5=551d5a524639ba7fbd9756bcf79dbb4e
Probing Molecular Chirality on the Self-Assembly and Gelation of Naphthalimide-Conjugated Dipeptides	Kuila S., Department of Chemistry, University of North Bengal, West Bengal, Siliguri, 734013, India; Singh A.K., IIT Kharagp	Physical Sciences	Journal of Physical Chemistry B	2023	2	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160762542&doi=10.1021%2facs.jpcb.3c01273&partnerID=40&md5=585eba1c8d528d87ff29495b9ace530c
Weak Universality Induced by Q=±2e Charges at the Deconfinement Transition of a (2+1)-Dimensional U(1) Lattice Ga	Sau I., School of Physical Sciences, Indian Association for the Cultivation of Science, Kolkata, 700032, India; Sen A., School	Physical Sciences	Physical Review Letters	2023	1	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148333298&doi=10.1103%2fPhysRevLett.130.071901&partnerID=40&md5=1642435746e094a9fef89aa77b8909a3
MAGIC observations provide compelling evidence of hadronic multi-TeV emission from the putative PeVatron SNR G1	Abe H., Japanese Magic Group: Institute for Cosmic Ray Research (ICRR), The University of Tokyo, Kashiwa, Chiba, 277-858	Physical Sciences	Astronomy and Astrophysics	2023	10	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149435595&doi=10.1051%2f0004-6361%2f202244931&partnerID=40&md5=49fa4614abcc683e108114d2102046c2
Universal scaling regimes in rotating fluid turbulence	Basu A., Theory Division, Saha Institute of Nuclear Physics, West Bengal, Calcutta, 700064, India; Bhattacharjee J.K., Depar	Physical Sciences	Physical Review Fluids	2023	0	2469-990X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164035769&doi=10.1103%2fPhysRevFluids.8.064611&partnerID=40&md5=30d658829c8c4d04e662a96e8afbda4e
Engineering Multifunctionality in MoSe2 Nanostructures Via Strategic Mn Doping for Electrochemical Energy Storage	Masanta S., Department of Physics, Bose Institute, 93/1 Acharya Prafulla Chandra Road, Kolkata, 700009, India; Nayak C.,	Physical Sciences	ACS Applied Nano Materials	2023	9	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151816708&doi=10.1021%2facsanm.2c05592&partnerID=40&md5=30df6ac18e00ec53d8ea081491d0652a
Material surface characterization using low-energy electron microscopy and photoemission electron microscopy	Mohanty S.R., Surface Physics and Material Science Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha Natior	Physical Sciences	Indian Journal of Physics	2023	1	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146300621&doi=10.1007%2fs12648-022-02577-9&partnerID=40&md5=25ac7f26ea9845628a5ea143e0ca3824
Search for the origin of wobbling motion in the A≈130 region: The case of Xe 131	Chakraborty S., Variable Energy Cyclotron Centre, Kolkata, 700064, India; Bhattacharyya S., Variable Energy Cyclotron Cen	Engineering Sciences; Physical Sciences	Physical Review C	2023	2	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163978545&doi=10.1103%2fPhysRevC.107.064318&partnerID=40&md5=bf17b508fb425341a001a770320306c7
Translational regulation of δ-tubulin through its 5′-untranslated region	Sethy P.S., Crystallography & Molecular Biology Division, Saha Institute of Nuclear Physics, Kolkata, India, Homi Bhabha Na	Life Sciences	Molecular Biology Reports	2023	0	0301-4851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147754121&doi=10.1007%2fs11033-023-08289-5&partnerID=40&md5=5c188a38261d0a2f8126f5139dc16086
NATURAL RADIOACTIVITY AND ASSESSMENT OF HAZARD INDICES OF THE SOIL FOUND AT SUNG VALLEY, MEGHALAYA	Ryngnga J.T., Department of Physics, North Eastern Hill University, Shillong 793200, India; Jyrwa B.M., Department of Phys	Physical Sciences	Radiation protection dosimetry	2023	0	1742-3406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159552270&doi=10.1093%2frpd%2fncad052&partnerID=40&md5=b2343c02444bc602e2f20e4c2a74dda1
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Resultant inward imbalanced seeding force (RIISF)-induced concave gold nanostar (CAuNS) for non-enzymatic electro	Roy A., Chemical Sciences Division, Saha Institute of Nuclear Physics, HBNI, 1/AF Bidhannagar, Kolkata, 700064, India; De S	Chemical Sciences; Physical Sciences	Analytica Chimica Acta	2023	0	0003-2670	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147606729&doi=10.1016%2fj.aca.2023.340908&partnerID=40&md5=601c95fda2107a4ad3331ec85e7c45f2
Pulse shape simulation and discrimination using machine learning techniques	Dutta S., High Energy Nuclear and Particle Physics Division, Saha Institute of Nuclear Physics, Homi Bhabha National Institu	Physical Sciences	Journal of Instrumentation	2023	0	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150929109&doi=10.1088%2f1748-0221%2f18%2f03%2fP03038&partnerID=40&md5=9e5490d8431dbf87ae697b1971c159a9
Prominent quantum many-body scars in a truncated Schwinger model	Desaules J.-Y., School of Physics and Astronomy, University of Leeds, Leeds, LS2 9JT, United Kingdom; Hudomal A., School	Physical Sciences	Physical Review B	2023	25	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158889674&doi=10.1103%2fPhysRevB.107.205112&partnerID=40&md5=c500cac56586b9a16f1c3e42cd33b3bc
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Long-Term multi-wavelength study of 1ES 0647+250	Acciari V.A., Instituto de Astrofísica de Canarias and Dpto. de Astrofísica, Universidad de la Laguna, La Laguna, Tenerife, 38	Physical Sciences	Astronomy and Astrophysics	2023	3	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147666222&doi=10.1051%2f0004-6361%2f202244477&partnerID=40&md5=6fcea8b42c4fb5f7222c7c7efd9c80fc
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Stable RNA G-Quadruplex in the 5′-UTR of Human cIAP1 mRNA Promotes Translation in an IRES-Independent Manner	Singha Roy A., Crystallography and Molecular Biology Division, Biophysical Sciences Group, Saha Institute of Nuclear Physi	Life Sciences	Biochemistry	2023	0	0006-2960	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187311200&doi=10.1021%2facs.biochem.3c00521&partnerID=40&md5=856b88b8c5df794612f18b2c3df14dbb
Tensor network study of the spin- 12 Heisenberg antiferromagnet on the shuriken lattice	Schmoll P., Dahlem Center for Complex Quantum Systems and Institut für Theoretische Physik, Freie Universität Berlin, Ar	Physical Sciences	Physical Review B	2023	10	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148470058&doi=10.1103%2fPhysRevB.107.064406&partnerID=40&md5=8fba44e6d6069b4e0d07b3e450e8da4e
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A lower bound on intergalactic magnetic fields from time variability of 1ES 0229+200 from MAGIC and Fermi /LAT obs	Acciari V.A., Instituto de Astrofísica de Canarias, Dpto. de Astrofísica, Universidad de la Laguna, Tenerife, 38200, Spain; Ag	Physical Sciences	Astronomy and Astrophysics	2023	20	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148666425&doi=10.1051%2f0004-6361%2f202244126&partnerID=40&md5=1ed9d01c3dd64b971c850f5331464de7
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Evaluation of an Objective MRI-Based Tumor Regression Grade (mrTRG) Score and a Subjective Likert Score for Assess	Katdare A.N., Department of Radiodiagnosis, Tata Memorial Hospital, Maharashtra, Mumbai, India, Homi Bhabha Nationa	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2023	0	0971-3026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172781146&doi=10.1055%2fs-0043-1772695&partnerID=40&md5=be30970f7be91c854b81e9283a63ebd9
Synchronous and Metachronous Breast and Ovarian Cancers: Experience from a Single Tertiary Care Cancer Centre in	Joshi S., Department of Surgical Oncology, Tata Memorial Centre and Homi Bhabha National Institute, Dr E Borges Road, N	Medical and Health Sciences	Indian Journal of Surgical Oncology	2023	0	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163099598&doi=10.1007%2fs13193-023-01749-1&partnerID=40&md5=652fd5b222388bf018f1191158c8f39a
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'Ironing out the risk': Assessing the effect of plateletpheresis donation frequency on iron stores in South-Asian male d	Madkaiker D., Department of Immunohematology and Blood Transfusion, Kasturba Medical College, Manipal, Manipal Ac	Medical and Health Sciences	Vox Sanguinis	2023	1	0042-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173441104&doi=10.1111%2fvox.13525&partnerID=40&md5=115a861896cf2898b34f5f4b691cca4e
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Low levels of CD26 on certain cellular subtypes of donor harvest is associated with better clinical outcomes post allog	Kandekar S., Kode Lab, Tumor Immunology & Immunotherapy Group, Advanced Centre for Treatment, Research & Educat	Life Sciences; Medical and Health Scienc	International Immunopharmacology	2023	0	1567-5769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174856524&doi=10.1016%2fj.intimp.2023.111054&partnerID=40&md5=1a2d2453a8ca940bfb293fdafffcdbd4
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Free Thoracodorsal Artery Perforator Flap for Head and Neck Reconstruction: An Indian Experience	Jaffar S., Department of Plastic and Reconstructive Surgery, Tata Memorial Hospital, Homi Bhabha National Institute, Mah	Medical and Health Sciences	Indian Journal of Plastic Surgery	2023	0	0970-0358	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176092670&doi=10.1055%2fs-0043-1776361&partnerID=40&md5=c76a78273d3c74592dde536d40bdf9f6
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Relevance of vitamin D in patients undergoing HLA matched allogeneic stem cell transplant for acute leukemia	Jindal N., Department of Medical Oncology, Advanced Centre for Treatment, Research and Education in Cancer, Tata Mem	Medical and Health Sciences	Transplant Immunology	2023	0	0966-3274	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171685863&doi=10.1016%2fj.trim.2023.101925&partnerID=40&md5=552f9d450be6eb665022898bfa871ca2
Effectiveness of family-centred sexual health education and HPV self-sampling in promoting cervical cancer screening	Vahabi M., Daphne Cockwell School of Nursing, Ryerson University, 4 Josephine Pui-Hing Wong, 350 Victoria Street, Toron	Life Sciences; Medical and Health Scienc	BMC Public Health	2023	5	1471-2458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152265837&doi=10.1186%2fs12889-023-15602-1&partnerID=40&md5=1868b6982ee0ade388e8bd08a5903e70
A Clinicopathological Analysis of Molecular Subtypes of Breast Cancer using Immunohistochemical Surrogates: A 6-Yea	Somal P.K., Department of Pathology, Homi Bhabha Cancer Hospital and Research Centre, A Unit of Tata Memorial Centre	Medical and Health Sciences	South Asian Journal of Cancer	2023	0	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164379878&doi=10.1055%2fs-0043-1761942&partnerID=40&md5=eea3461e969bdf059dfb1be52d5d2c27
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Identification of the HLA-B*15:665 and HLA-C*12:02:02:23 alleles in individuals from the South Asia	Rajak J., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India; T	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167355262&doi=10.1111%2ftan.15171&partnerID=40&md5=fd4d6d2d7efd71128ee88d62429f6bb8
External Validation of Robust Radiomic Signature to Predict 2-Year Overall Survival in Non-Small-Cell Lung Cancer	Jha A.K., Department of Radiation Oncology (MAASTRO), GROW School for Oncology and Developmental Biology, Maastri	Medical and Health Sciences	Journal of Digital Imaging	2023	1	0897-1889	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171657179&doi=10.1007%2fs10278-023-00835-8&partnerID=40&md5=c0383dfc0d43c6869c7e454f3ad14b7c
Genome-wide DNA methylation profiling of HPV-negative leukoplakia and gingivobuccal complex cancers	Inchanalkar M., Mahimkar Lab, Cancer Research Institute (CRI), Advanced Centre for Treatment, Research and Education i	Life Sciences	Clinical Epigenetics	2023	4	1868-7075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160248767&doi=10.1186%2fs13148-023-01510-z&partnerID=40&md5=f07f7828fa81c992e1299651006ea0d3
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BRAF V600E Mutations and Beyond: A Molecular Perspective of Melanoma from a Tertiary Cancer Referral Center of I	Vengurlekar V., Department of Pathology, Division of Molecular Pathology, Tata Memorial Centre, Homi Bhabha National	Medical and Health Sciences	South Asian Journal of Cancer	2023	0	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164411485&doi=10.1055%2fs-0043-1760759&partnerID=40&md5=b7b45728f16d9801fd5efb3a69d0ea13
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Intraoperative Navigated Three-Dimensional Ultrasound Guidance Improves Resection in Gliomas Compared with Sta	Moiyadi A., Department of Surgical Oncology, Neurosurgical Services, Tata Memorial Centre, Mumbai, India, Department	Medical and Health Sciences	World Neurosurgery	2023	2	1878-8750	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173869721&doi=10.1016%2fj.wneu.2023.09.041&partnerID=40&md5=1be3952ea61beed86d8b2afa37b0ee1a
Evaluation of post-chemotherapy residual seminomatous masses by 18F-fluorodeoxyglucose PET/CT using tumor-to-li	Ghosh S., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Hospital, Homi Bhabha National Institu	Medical and Health Sciences	Nuclear Medicine Communications	2023	0	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176495537&doi=10.1097%2fMNM.0000000000001762&partnerID=40&md5=c0cb8849351408e3cd1ae5c26c1256c4
Awake Mapping of Supplementary Motor Area Networks for Maximal Safe Resection of Left Superior Frontal Gyrus Lo	Multani K.M., Neurosurgical, Oncology Services, Department of Surgical Oncology, Tata Memorial Centre, Maharashtra, M	Medical and Health Sciences	Neurology India	2023	0	0028-3886	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181767509&doi=10.4103%2f0028-3886.391377&partnerID=40&md5=fbd5d349d610435616e021794ecf6c98
Harmine and Kaempferol treatment enhances NFATC1 and FOXP3 mediated regulatory T-cells' suppressive capacity in	Giri P.S., C.G. Bhakta Institute of Biotechnology, Faculty of Science, Uka Tarsadia University, Bardoli, Gujarat, Surat, 394 35	Life Sciences	International Immunopharmacology	2023	3	1567-5769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177504668&doi=10.1016%2fj.intimp.2023.111174&partnerID=40&md5=645f16fc09506b8bd5d9ef9e30b2c1fd
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Reirradiation with advanced brachytherapy techniques in recurrent GYN cancers	Mahantshetty U., Department of Radiation Oncology, Homi Bhabha Cancer Hospital, Visakhapatnam, Tata Memorial Cent	Life Sciences; Medical and Health Scienc	Brachytherapy	2023	1	1538-4721	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171385422&doi=10.1016%2fj.brachy.2023.07.004&partnerID=40&md5=d31d496edb7530fb1d760feabe8d1bb5
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Real-World Evidence of EGFR Targeted Therapy in NSCLC– A Brief Report of Decade Long Single Center Experience	Chougule A., Medical Oncology Molecular Laboratory, Tata Memorial Centre, Mumbai, India; Chandrani P., Medical Oncol	Life Sciences; Medical and Health Scienc	JTO Clinical and Research Reports	2023	1	2666-3643	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176747753&doi=10.1016%2fj.jtocrr.2023.100566&partnerID=40&md5=0ff96ee907962a4ffc2ba66817965449
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Navigating the neutropenic abyss with granulocyte transfusions: Retrospective single-center analysis of effectiveness	Desai P., Department of Transfusion Medicine, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, Mum	Medical and Health Sciences	Journal of Clinical Apheresis	2023	1	0733-2459	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167588401&doi=10.1002%2fjca.22084&partnerID=40&md5=d3d470c7cabe2642a42a01a37e63474e
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Nonsalivary Primary Adenocarcinomas of the Base of the Tongue: A Single Tertiary-Care Oncology Center Series of 6 C	Yadav S., Departments of Pathology, Tata Memorial Center, Advanced Center for Treatment and Research, Homi Bhabha N	Medical and Health Sciences	Archives of Pathology and Laboratory Medicine	2023	0	0003-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175523987&doi=10.5858%2farpa.2021-0468-OA&partnerID=40&md5=41e691c7e2ce493040c70229b872ceaf
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A large-scale targeted proteomics of serum and tissue shows the utility of classifying high grade and low grade mening	Halder A., Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay, Powai, Mumbai, 40007	Medical and Health Sciences	Clinical Proteomics	2023	3	1542-6416	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173580231&doi=10.1186%2fs12014-023-09426-9&partnerID=40&md5=d08bc3bf923941f7a18b301e2b7ca04c
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Wilms Tumor in India: A Systematic Review	Srinivasan S., Department of Pediatric Oncology, Homi Bhabha National Institute, Tata Memorial Hospital, Maharashtra, M	Medical and Health Sciences	South Asian Journal of Cancer	2023	0	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145029323&doi=10.1055%2fs-0042-1758567&partnerID=40&md5=322b18f49d3de9cafa9aa5760cdc6212
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Utility of immunohistochemical expression of H3.3K36M and DOG1 in the diagnosis of chondroblastomas: An experie	Rekhi B., Department of Pathology, Tata Memorial Hospital, Parel, Maharashtra, Mumbai, India, Homi Bhabha National In	Life Sciences; Medical and Health Scienc	Annals of Diagnostic Pathology	2023	2	1092-9134	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163196417&doi=10.1016%2fj.anndiagpath.2023.152174&partnerID=40&md5=56aed2b1eefb6c2334bea2a0c0db21cb
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Study Protocol of the Bladder Adjuvant RadioTherapy (BART) Trial: A Randomised Phase III Trial of Adjuvant Radiother	Murthy V., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Ma	Medical and Health Sciences	Clinical Oncology	2023	2	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164193517&doi=10.1016%2fj.clon.2023.04.010&partnerID=40&md5=1ac28bf7d78817b7c2f36e6c71ccff4d
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Atrial Fibrillation (AFIB) in the ICU: Incidence, Risk Factors, and Outcomes: The International AFIB-ICU Cohort Study	Wetterslev M., Department of Intensive Care, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark; Hylander	Medical and Health Sciences	Critical Care Medicine	2023	9	0090-3493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160112433&doi=10.1097%2fCCM.0000000000005883&partnerID=40&md5=4110831e70852cee743d947e223105bf
Diagnostic Performance of Response Assessment FDG-PET/CECT in HNSCC Treated With Definitive Radio(chemo)thera	Paul S., Department of Radiation Oncology, Tata Memorial Hospital (TMH)/Advanced Centre for Treatment Research and	Medical and Health Sciences	Otolaryngology - Head and Neck Surgery (United States)	2023	2	0194-5998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149341778&doi=10.1002%2fohn.305&partnerID=40&md5=89f1751db577ca9cbac3057bf134ab70
Perioperative Modified FLOT Versus EOX in Locally Advanced Resectable Gastric and Gastro-Oesophageal Junction Ad	Ramaswamy A., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Dr. E B	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2023	0	1941-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139910433&doi=10.1007%2fs12029-022-00867-3&partnerID=40&md5=f161b5ff189a707a5741ae15a8162dd7
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A National Cancer Grid pooled procurement initiative, India; [Initiative d'achat groupé par le Réseau National de lutte	Pramesh C.S., Tata Memorial Hospital, Tata Memorial Centre, affiliated with the Homi Bhabha National Institute, Dr Ernes	Life Sciences; Medical and Health Scienc	Bulletin of the World Health Organization	2023	6	0042-9686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168849261&doi=10.2471%2fBLT.23.289714&partnerID=40&md5=b7382bbc7f8601ee53e5bca3457b9b01
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Risk factors for mortality over 18 years in 317 ICUs in 9 Asian countries: The impact of healthcare-associated infection	Rosenthal V.D., Department of Public Health Sciences, University of Miami Miller School of Medicine, Miami, United State	Medical and Health Sciences	Infection Control and Hospital Epidemiology	2023	8	0899-823X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158889773&doi=10.1017%2fice.2022.245&partnerID=40&md5=dded7a4ba243528988ec0b83d7547057
Impact of surgical site infection on unplanned hospital readmissions, initiation of adjuvant treatment following surger	Thiagarajan S., Department of Head & Neck Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (H	Life Sciences; Medical and Health Scienc	Journal of Surgical Oncology	2023	0	0022-4790	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160639773&doi=10.1002%2fjso.27356&partnerID=40&md5=03ba6b9cfec1e1fa72ef60575d039f41
In-silico and structure-based assessment to evaluate pathogenicity of missense mutations associated with non-small c	Chakraborty S., Advanced Centre for Treatment, Research and Education in Cancer, Kharghar, Maharashtra, Navi Mumbai	Life Sciences	Genomics and Informatics	2023	2	2234-0742	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173546443&doi=10.5808%2fgi.22069&partnerID=40&md5=3ea101d71629b14bf0b55fb344991a75
Targeting transcriptional kinase of CDK7 halts proliferation of multiple myeloma cells by modulating the function of ca	Dutta R.P., Hasan Lab, ACTREC-Tata Memorial Centre, Mumbai, India, Hematology and Medical Oncology, Mount Sinai Sch	Life Sciences; Medical and Health Scienc	Translational Oncology	2023	2	1936-5233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163033611&doi=10.1016%2fj.tranon.2023.101729&partnerID=40&md5=2d4bf9676ade9c107265100725f0723f
Does granulocyte transfusion help pediatric cancer patients with sepsis?	Keerthivasagam S., Division of Pediatric oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, M	Medical and Health Sciences	Pediatric Blood and Cancer	2023	0	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164511074&doi=10.1002%2fpbc.30547&partnerID=40&md5=9139ed259e1f4bf1564d3bfb019478f1
HRAS-mutated primary thyroid malignant melanoma or medullary thyroid carcinoma with melanocytic dedifferentiati	Subramanian P., Department of Pathology, Tata Memorial Center, Mumbai, 400012, India, Homi Bhabha National Institute	Medical and Health Sciences	Virchows Archiv	2023	1	0945-6317	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166972951&doi=10.1007%2fs00428-023-03619-1&partnerID=40&md5=549e43f5f8d8e9c1873fdda8df740285
Survival of Trial-Like and Non-Trial-Like Patients With Immunotherapy in Advanced Hepatocellular Carcinoma in Real W	Ramaswamy A., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), India;	Medical and Health Sciences	JCO global oncology	2023	2	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178513455&doi=10.1200%2fGO.23.00215&partnerID=40&md5=391e8b0aa82df993100ec16ac3b7edea
Spectrum of Histopathological, Immunohistochemical, Molecular and Radiological Features in 12 Cases of BCOR::CCNB	Rekhi B., Department of Surgical Pathology, Tata Memorial Centre, Homi Bhabha National Institue (HBNI) University, Mum	Medical and Health Sciences	International Journal of Surgical Pathology	2023	3	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145423899&doi=10.1177%2f10668969221143467&partnerID=40&md5=5bfc9a602168db179e60c1fa99e01104
Adverse Events during Intrahospital Transport of Critically Ill Patients: A Multicenter, Prospective, Observational Study	Zirpe K.G., Neuro-intensive Care Unit, Ruby Hall Clinic, Maharashtra, Pune, India; Tiwari A.M., Neuro-intensive Care Unit, R	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2023	1	0972-5229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170526240&doi=10.5005%2fjp-journals-10071-24530&partnerID=40&md5=536e553b8c22da64a4f7531e53ab62f8
Green nanotechnology approaches using Mesobacillus jeotgali ADCG SIST 4 strain synthesized gold nanoparticles for a	Das C.G.A., Centre for Ocean Research & Earth Science and Technology Cell, Sathyabama Institute of Science and Technolo	Life Sciences	Journal of Drug Delivery Science and Technology	2023	0	1773-2247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172787716&doi=10.1016%2fj.jddst.2023.104976&partnerID=40&md5=179acb9eb1fab253bd52c8cdad663a1d
Rectal cancer lexicon 2023 revised and updated consensus statement from the Society of Abdominal Radiology Colore	Lee S., Radiological Sciences, University of California, Irvine, Irvine, CA, United States, University of California at Irvine, 101	Medical and Health Sciences	Abdominal Radiology	2023	10	2366-004X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158148742&doi=10.1007%2fs00261-023-03893-2&partnerID=40&md5=ad9d3dbf369715c405ef3fa71cb07f22
Ataxia-telangiectasia and combined hepatocellular-cholangiocarcinoma: A case report	Singh T.P., Department of Surgical Oncology, Tata Memorial Hospital, Maharashtra, Mumbai, India; Patkar S., Department	Medical and Health Sciences	Indian Journal of Pathology and Microbiology	2023	0	0377-4929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179649665&doi=10.4103%2fijpm.ijpm_940_22&partnerID=40&md5=f776acd78fc74321945c1aa9d4085c53
Transitioning India to advanced image based adaptive brachytherapy: a national impact analysis of upgrading Nationa	Hande V., Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Tata Memorial Centre, Homi Bhab	Medical and Health Sciences	The Lancet Regional Health - Southeast Asia	2023	1	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161294293&doi=10.1016%2fj.lansea.2023.100218&partnerID=40&md5=a6e5adfdff7de6def9c60a16a02593bd
Analgesic efficacy of the inferior alveolar nerve block for maxillofacial cancer surgery under general anaesthesia - A ra	Shetmahajan M., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Hospital and Homi Bhabha Nation	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	3	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176323518&doi=10.4103%2fija.ija_313_23&partnerID=40&md5=cdb5dba4916c3c03ca9e71b1d96eacc4
Triple Reporter Assay: A Non-Overlapping Luciferase Assay for the Measurement of Complex Macromolecular Regulat	Mujawar A., Molecular Functional Imaging Laboratory, Advanced Centre for Treatment, Research and Education in Cancer	Life Sciences	Sensors	2023	0	1424-8220	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170562790&doi=10.3390%2fs23177313&partnerID=40&md5=d1b0513cc361341431b4bacab91748d3
Succinate dehydrogenase deficient renal cell carcinoma: A case report of an uncommon renal cancer	Kodare D., Departments of Pathology and Maharashtra, India; Menon S., Departments of Pathology and Maharashtra, Ind	Medical and Health Sciences	Indian Journal of Cancer	2023	0	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183312295&doi=10.4103%2fijc.ijc_801_21&partnerID=40&md5=0645cb9ff96f92ebbd655545daee4bcf
Validation of PREDICT Version 2.2 in a Retrospective Cohort of Indian Women With Operable Breast Cancer	Nair N.S., Tata Memorial Centre, Mumbai, India; Kothari B., Tata Memorial Centre, Mumbai, India; Gupta S., Tata Memoria	Life Sciences; Medical and Health Scienc	JCO global oncology	2023	1	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179637680&doi=10.1200%2fGO.23.00114&partnerID=40&md5=99aafae467e04039e5ffe838dbdd224c
Safety, immunogenecity and effectiveness of ChAdOx1 nCoV-19 vaccine during the second wave of pandemic in India	Chavan P., Composite Lab, ACTREC, Tata Memorial Centre, Navi Mumbai, India, Homi Bhabha National Institute, Training S	Life Sciences; Medical and Health Scienc	Drug Metabolism and Personalized Therapy	2023	2	2363-8907	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158063781&doi=10.1515%2fdmpt-2022-0150&partnerID=40&md5=6046b1f72603009c2526322c93884ecd
Large functional retroperitoneal paraganglioma: A surgical challenge	Varty G., Department of Hepatopancreaticobiliary Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National Insti	Medical and Health Sciences	Indian Journal of Urology	2023	0	0970-1591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176367864&doi=10.4103%2fiju.iju_199_23&partnerID=40&md5=cd208c591efaf0cdc25fc276a9a0e9cd

Laparoscopic cytoreductive surgery and hyperthermic intraperitoneal chemotherapy: Long term oncologic outcomes t	Arjona-Sanchez A., Unit of Surgical Oncology, Reina Sofia University Hospital, Cordoba, Spain, GE09 Research in Peritoneal	Medical and Health Sciences	European Journal of Surgical Oncology	2023	1	0748-7983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167447272&doi=10.1016%2fj.ejso.2023.107001&partnerID=40&md5=6b463eaed769c931c66382ad51bd4c5e
Malignant Minor Salivary gland neoplasms of Larynx: Our Experience	Joshi P., Department of Head and Neck Surgery, Advanced Centre for Treatment, Research and Education in Cancer, Tata	Medical and Health Sciences	Otolaryngologia Polska	2023	0	0030-6657	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174838913&doi=10.5604%2f01.3001.0053.4040&partnerID=40&md5=c7cb8310348636af4be34173b68bf1d8
Elevated translationally controlled tumour protein promotes oral cancer progression and poor outcome	Sharma D., Teni Lab, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial Centre	Life Sciences	Journal of Oral Pathology and Medicine	2023	1	0904-2512	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167696184&doi=10.1111%2fjop.13467&partnerID=40&md5=145a6aeab902d9b9a613f9ee2a104e55
Results of Swallowing Assessment in the Immediate Postoperative Period in Patients Following Surgery for Thyroid Ma	Tm R., MASLP Speech and Swallowing Therapist Division. of Head & Neck Oncology, Tata Memorial Hospital, Mumbai, Ind	Medical and Health Sciences	Indian Journal of Otolaryngology and Head and Neck Surgery	2023	0	2231-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149241575&doi=10.1007%2fs12070-023-03608-5&partnerID=40&md5=02204eef0120f7d6cb682394891ab88a
Short-course Palliative Hypofractionated Radiotherapy in Patients with Poor-prognosis High-grade Glioma: Survival an	Baviskar Y., Department of Radiation Oncology, Tata Memorial Hospital (TMH)/Advanced Centre for Treatment Research a	Medical and Health Sciences	Clinical Oncology	2023	2	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165070802&doi=10.1016%2fj.clon.2023.07.001&partnerID=40&md5=eda23442b52a4ec2e24c6b17a15bfdff
Impact of fluid and haemodynamic management in cytoreductive surgery with hyperthermic intraperitoneal chemoth	Solanki S.L., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha National Institu	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	2	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176806256&doi=10.4103%2fija.ija_367_23&partnerID=40&md5=ce107c08b58952fab18bfc1f31311752
Using a Nominal Group Technique to Develop a Science Communication Curriculum for Health Professionals and Clini	Giuliani M.E., Princess Margaret Cancer Centre, University Health Network, Toronto, Canada; Papadakos T., Princess Marg	Medical and Health Sciences	Journal of Cancer Education	2023	1	0885-8195	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150222944&doi=10.1007%2fs13187-023-02282-z&partnerID=40&md5=d2105806f04917dd5feeabe9c55b5329
Surgical templates for inguinal lymph node dissection in cN0 penile cancer: A comparative study	Bakshi G.K., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, Mum	Medical and Health Sciences	Urologic Oncology: Seminars and Original Investigations	2023	1	1078-1439	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166206109&doi=10.1016%2fj.urolonc.2023.06.014&partnerID=40&md5=5437824104c52e9b6684c1b9daaee673
Clear cell urothelial carcinoma of bladder: Case report of a rare and aggressive variant with review of literature	Sahetia K.M., Department of Pathology Tata Memorial Hospital, Maharashtra, Mumbai, India; Dave V.N., Department of P	Medical and Health Sciences	Indian Journal of Cancer	2023	0	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183312470&doi=10.4103%2fijc.ijc_564_21&partnerID=40&md5=6bb1c33423c182fe9feba8b334a25300
Nasotracheal Intubation with a Flexible Bronchoscope using the 'Salgaonkar Technique'	Gangakhedkar G.R., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha Nation	Medical and Health Sciences	Medical Journal of Dr. D.Y. Patil Vidyapeeth	2023	0	2589-8302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176467337&doi=10.4103%2fmjdrdypu.mjdrdypu_785_22&partnerID=40&md5=7767e8796b406abc34baad4637f94615
Treating relapsed B cell-precursor ALL in children with a setting-adapted mitoxantrone-based intensive chemotherapy	Roy Moulik N., Pediatric Oncology, Tata Memorial Hospital, HBNI, Mumbai, India; Keerthivasagam S., Pediatric Oncology, T	Medical and Health Sciences	Annals of Hematology	2023	0	0939-5555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165280587&doi=10.1007%2fs00277-023-05351-x&partnerID=40&md5=f9d1edb168ff9a65c8316b4475309490
Reporting Trends, Practices, and Resource Utilization in Neuroendocrine Tumors of the Prostate Gland: A Survey amo	Mohanty S.K., Department of Pathology and Laboratory Medicine, Advanced Medical Research Institute, Bhubaneswar, In	Medical and Health Sciences	International Journal of Surgical Pathology	2023	0	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135847172&doi=10.1177%2f10668969221116629&partnerID=40&md5=579037e6fcaa4a6f552b61c3cf88d901
Para testicular cellular angiofibroma (AF)/ angiomyofibroblastoma (AMF) -like tumor: A case report of a rare diagnosis	Dave V.N., Departments of Pathology Tata Memorial Hospital, Maharashtra, Mumbai, India; Sahetia K.M., Departments of	Medical and Health Sciences	Indian Journal of Cancer	2023	0	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183312191&doi=10.4103%2fijc.IJC_249_21&partnerID=40&md5=95726ddd00d6d0b96696b0d61a49909b
Pancreaticoduodenectomy in the Portal Annular Pancreas–Mesopancreas Triangle Approach (with Video)	Parray A.M., BLK Max Super Specialty Hospital, New Delhi, India; Nadkarni S., Karnataka Cancer Therapy and Research Inst	Medical and Health Sciences	Annals of Surgical Oncology	2023	1	1068-9265	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164108979&doi=10.1245%2fs10434-023-13782-z&partnerID=40&md5=fdc9c1f95cac3dcf2e57dc09b1187188
ΔNp63 overexpression promotes oral cancer cell migration through hyperactivated Activin A signaling	Mundhe D., Teni Laboratory, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial	Life Sciences	Experimental Cell Research	2023	0	0014-4827	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170438637&doi=10.1016%2fj.yexcr.2023.113739&partnerID=40&md5=f49bc07d7bfc08783e1166e06ccebd14
Safety of free fibula flap harvest in IIIA and IIIB tibio-peroneal trunk variations	Kumar V., Department of Plastic and Reconstructive Surgery, Tata Memorial Hospital, Homi Bhabha National Institute, Mu	Engineering Sciences; Medical and Healt	Journal of Plastic, Reconstructive and Aesthetic Surgery	2023	1	1748-6815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166622594&doi=10.1016%2fj.bjps.2023.07.012&partnerID=40&md5=e90bc7558942ce132e459c1783fd96f1
Barriers in quest for cancer care access in two states of northeast India	Kuru D., School of Health Systems Studies, Tata Institute of Social Sciences, Maharashtra, Mumbai, India; Kumar K A., Cent	Medical and Health Sciences	International Journal of Health Planning and Management	2023	0	0749-6753	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161387798&doi=10.1002%2fhpm.3667&partnerID=40&md5=5130c3d54a199c40eb8735752cc93b61
Conventional versus liquid-based cytology: 'Man versus machine'	Pathuthara S., Department of Cytopathology, Tata Memorial Hospital, Tata Memorial Centre, Homi Bhabha National Instit	Medical and Health Sciences	Journal of Cytology	2023	0	0970-9371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176407900&doi=10.4103%2fjoc.joc_54_23&partnerID=40&md5=4b125dfc5246efce9cfc90ff785d02e7
Outcomes of Patients With Colorectal Liver Metastasis in the Developing World: Is Liver Transplantation for Unresecta	Janesh M., Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, 400012, India, Homi Bhabha National Insti	Medical and Health Sciences	Journal of Clinical and Experimental Hepatology	2023	1	0973-6883	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153614339&doi=10.1016%2fj.jceh.2023.03.009&partnerID=40&md5=a2767b74f35fe2c53cc73286d932931e
Secondary cytoreduction in platinum sensitive relapsed ovarian cancer: An individual patient level meta-analysis	Gulia S., Medical Oncology, Tata Memorial Centre, Maharashtra, Mumbai, India, Homi Bhabha National Institute, Mumbai	Medical and Health Sciences	International Journal of Gynecological Cancer	2023	0	1048-891X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168361206&doi=10.1136%2fijgc-2023-004342&partnerID=40&md5=2b45d72f29265c952b897edc1edf87b2
Understanding the Impact of Population and Cancer Type on Tumor Mutation Burden Scores: A Comprehensive Whol	Tanwar N.A., Bangalore, India; Malhotra R., Bangalore, India; Satheesh A.P., Bangalore, India; Khuntia S.P., Bangalore, Indi	Medical and Health Sciences	JCO global oncology	2023	0	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179644580&doi=10.1200%2fGO.23.00047&partnerID=40&md5=fbaae8232a63008a2bdb00dd263c7621
Epithelial-to-mesenchymal transition status correlated with ultrastructural features, and TP53 mutation in patient-de	Navarange S.S., Waghmare Lab, Stem Cell Biology Group, Advanced Centre for Treatment Research and Education in Canc	Life Sciences	Molecular Biology Reports	2023	0	0301-4851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168906117&doi=10.1007%2fs11033-023-08720-x&partnerID=40&md5=9ad719d555fe8cb99f377ccbf8062931
Virtual clinical trials	Ranganathan P., Department of Anaesthesiology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, M	Medical and Health Sciences	Perspectives in Clinical Research	2023	0	2229-3485	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177198663&doi=10.4103%2fpicr.picr_184_22&partnerID=40&md5=28d67f7108a1505ca0dce18a697cb43b
Implications of use of different intraoperative ultrasound modalities during glioma surgery – A comparative study of f	Kumar M., Industrial Engineering & Operations Research, IIT Bombay, India; Moiyadi A., Department of Neurosurgery, Tat	Medical and Health Sciences	International Journal of Medical Informatics	2023	0	1386-5056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165660497&doi=10.1016%2fj.ijmedinf.2023.105154&partnerID=40&md5=0fe6acd27fc0d1ad0a16c500f68a5f7f
Prosthetic Management of Flap-Related Complications Following Glossectomy in Locally Advanced Tongue Cancer	Jagtiani K., Department of Dental and Prosthetic Surgery, Tata Memorial Hospital, Parel, Mumbai, India; Bhatia P., Depart	Medical and Health Sciences	Indian Journal of Plastic Surgery	2023	0	0970-0358	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172301349&doi=10.1055%2fs-0043-1772455&partnerID=40&md5=861f21917bb3245a1bf612f6c5687bcf
Head and neck cancer burden in India: an analysis from published data of 37 population-based cancer registries	Bagal S., Centre for Cancer Epidemiology (CCE), Advance Centre for Treatment, Research and Education in Cancer (ACTRE	Medical and Health Sciences	ecancermedicalscience	2023	5	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175304382&doi=10.3332%2fecancer.2023.1603&partnerID=40&md5=ca91ad20d5011816a0ebaa2296cd6b07
A single-arm, prospective study comparing translaryngeal ultrasonography with direct visualisation by flexible laryngo	Shetmahajan M., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Centre, Homi Bhabha National Ins	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	0	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171454885&doi=10.4103%2fija.ija_316_23&partnerID=40&md5=9e4db60227a23246b9236dfe5966c9b2
Cardiac function in pediatric Ewing sarcoma during and after treatment: A longitudinal study	Mande R., Paediatric Oncology, Tata Memorial Hospital, Mumbai, India; Prasad M., Paediatric Oncology, Tata Memorial H	Medical and Health Sciences	Pediatric Blood and Cancer	2023	1	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161420734&doi=10.1002%2fpbc.30475&partnerID=40&md5=a46545e34ac3b80039eb8fde04a481c3
Accuracy of Intraoperative Frozen Section Analysis of Lymph Nodes in Women Undergoing Axillary Sampling for Treat	Nair N.S., Department of Surgical Oncology, Breast Services, Tata Memorial Hospital TMC, Maharashtra, Mumbai, India; D	Medical and Health Sciences	Clinical Breast Cancer	2023	2	1526-8209	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169004596&doi=10.1016%2fj.clbc.2023.06.010&partnerID=40&md5=42a85507a63399d515b11c8d0f15bdbe
The "Weekday Effect"—Does It Impact Esophageal Cancer Surgery Outcomes?	Jiwnani S., Division of Thoracic Surgery, Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National In	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2023	1	1941-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135791538&doi=10.1007%2fs12029-022-00855-7&partnerID=40&md5=70993b229478ab612baba88893b11838
Lessons learnt from 1300 consecutive gallbladder cancer surgeries: Evolving role of peri-operative chemotherapy in th	Patkar S., Gastrointestinal and Hepato-pancreato-Biliary Service, Department of Surgical Oncology, Tata Memorial Centre,	Medical and Health Sciences	European Journal of Surgical Oncology	2023	1	0748-7983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168335546&doi=10.1016%2fj.ejso.2023.107035&partnerID=40&md5=94dbdf86a73341d78c92354a1a187ff1
Practical Assessment and Management of Vulnerabilities in Older Patients Receiving Systemic Cancer Therapy: ASCO (	Dale W., City of Hope National Medical Center, Duarte, CA, United States; Klepin H.D., Wake Forest Baptist Comprehensiv	Medical and Health Sciences	Journal of Clinical Oncology	2023	89	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170110852&doi=10.1200%2fJCO.23.00933&partnerID=40&md5=5420d2208c6191437c7c1b791dcd562b
Allocation of authorship and patient enrollment among global clinical trials in oncology	Rubagumya F., Division of Cancer Care and Epidemiology, Queen's University Cancer Research Institute, Kingston, ON, Car	Medical and Health Sciences	Cancer	2023	2	0008-543X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164103270&doi=10.1002%2fcncr.34919&partnerID=40&md5=9aabff60fdf91a29143e339967fa7fd4
FLAG based v/s Standard 3 + 7 induction therapy in treatment naïve Acute Myeloid Leukemia: Time to think "beyond a	Shaikh M.R., Department of Hematology and Bone Marrow Transplant, Rajiv Gandhi Cancer Institute and Research Centre	Medical and Health Sciences	Leukemia Research	2023	0	0145-2126	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165273195&doi=10.1016%2fj.leukres.2023.107346&partnerID=40&md5=cb08bfedd60fd92557bc764fd1911e7f
Hepatocellular carcinoma (HCC) masquerading as hilar cholangiocarcinoma: An unusual presentation of jaundice	Mundhada R.O., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, I	Medical and Health Sciences	Indian Journal of Pathology and Microbiology	2023	0	0377-4929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179642428&doi=10.4103%2fijpm.ijpm_900_22&partnerID=40&md5=b5e744f60cc8f2005816c32014451c1d
High-grade endometrial stromal sarcoma displaying immunohistochemical expression of BCOR—A report of two cases	Wagh V., Department of Surgical Pathology, Gynecology Disease Management Group, Tata Memorial Hospital, Mumbai, H	Life Sciences; Medical and Health Scienc	Indian Journal of Pathology and Microbiology	2023	0	0377-4929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179637763&doi=10.4103%2fijpm.ijpm_1021_22&partnerID=40&md5=b3688d8c8356ba9d70de0ed143a8c305
Patterns of Utilization and Outcomes of Perioperative Chemotherapy in Patients With Locally Advanced-urothelial Bla	Saravanabavan S., Division of Uro Oncology, Department of Surgical Oncology, Tata Memorial Hospital, Homi Bhabha Nati	Medical and Health Sciences	Clinical Genitourinary Cancer	2023	0	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159913894&doi=10.1016%2fj.clgc.2023.03.013&partnerID=40&md5=0a2db7439719cc964649d322b870d177
Utility of Single-Stage Nasolabial Flap Reconstruction for Oral Cavity Defects Following Surgery for Oral Cancers and Pr	Teja K.B., Department of Head Neck Surgical Oncology, Tata Memorial Hospital (Affiliated to The Homi Bhabha National In	Medical and Health Sciences	Indian Journal of Surgical Oncology	2023	0	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149046766&doi=10.1007%2fs13193-023-01724-w&partnerID=40&md5=3d72f13b2e9fc5c31ec3f29d60c3ce91
An assessment of childhood cancer care services in India - gaps, challenges and the way forward	Nath A., ICMR-National Centre for Disease Informatics and Research, Indian Council of Medical Research, Karnataka, Beng	Medical and Health Sciences	The Lancet Regional Health - Southeast Asia	2023	0	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169793607&doi=10.1016%2fj.lansea.2023.100235&partnerID=40&md5=b099e5e4af2fca5c0979723e9590353b
Treatment outcomes and prognostic factors in children with hepatoblastoma using a risk-stratified approach	Srinivasan S., Division of Pediatric Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, Mumba	Medical and Health Sciences	Pediatric Blood and Cancer	2023	2	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152472897&doi=10.1002%2fpbc.30302&partnerID=40&md5=6653136462b9c58506b0739386638c93
Should anorectal manometry be routine before stoma reversal in patients after an intersphincteric resection?	Kazi M., Division of Colorectal Surgery, Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, India, Homi Bh	Medical and Health Sciences	Colorectal Disease	2023	0	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164116318&doi=10.1111%2fcodi.16646&partnerID=40&md5=f65f85dd83246d95abec1e75d22d57bb
Variations in Penile Cancer Management: Results From the Global Society of Rare Genitourinary Tumors Survey	Prakash G., Department of Uro-oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, India; Arora A	Medical and Health Sciences	Clinical Genitourinary Cancer	2023	3	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152710622&doi=10.1016%2fj.clgc.2023.03.001&partnerID=40&md5=df1e0e72ec5290a30327fc826af8d129
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Predictors of Pelvic Lymph Nodal Metastasis in Penile Squamous Cell Carcinoma- Results From a Matched-Pair Analysi	Sali A.P., Department of Pathology, Tata Memorial Centre, Mumbai, India, Homi Bhabha National Institute, Mumbai, India	Medical and Health Sciences	Clinical Genitourinary Cancer	2023	0	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144285573&doi=10.1016%2fj.clgc.2022.11.008&partnerID=40&md5=8e21d496eda9aa6e9885a76050086a92
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Pivotal role of AKR1B1 in pathogenesis of colitis associated colorectal carcinogenesis	Syamprasad N.P., Department of Pharmacology & Toxicology, National Institute of Pharmaceutical Education and Researc	Medical and Health Sciences	International Immunopharmacology	2023	7	1567-5769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151854193&doi=10.1016%2fj.intimp.2023.110145&partnerID=40&md5=2cf5d35daf00907e795a40130faaf3a3
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Outcomes of extended total mesorectal excision in patients with locally advanced rectal cancer	Saravanabavan S., Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, India, Homi Bhabha National Instit	Medical and Health Sciences	Colorectal Disease	2023	4	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160940576&doi=10.1111%2fcodi.16606&partnerID=40&md5=74deae6983e169025d365637004a34f7
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Predicting postoperative pain by using preoperative pain threshold in response to electrical stimulus in women under	Bakshi S.G., Department of Anesthesia, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha National Institute, M	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	1	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163149858&doi=10.4103%2fija.ija_503_22&partnerID=40&md5=604d4021a2529b71697d733a4aa68579
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Function Preservation in Head and Neck Cancers	Budrukkar A., Department of Radiation Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, Pare	Medical and Health Sciences	Clinical Oncology	2023	2	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149927801&doi=10.1016%2fj.clon.2023.01.022&partnerID=40&md5=ebb191478b521533cc8939295a0aace1
First-line atezolizumab monotherapy versus single-agent chemotherapy in patients with non-small-cell lung cancer ine	Lee S.M., Department of Oncology, University College London Hospitals NHS Foundation Trust, CRUK Lung Cancer Centre (	Medical and Health Sciences	The Lancet	2023	36	0140-6736	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165308557&doi=10.1016%2fS0140-6736%2823%2900774-2&partnerID=40&md5=eb1ee926d61908e8cacccbcadc307bd2
Society for Immunotherapy of Cancer (SITC) clinical practice guideline on immunotherapy for the treatment of gyneco	Disis M.L., Cancer Vaccine Institute, University of Washington, Seattle, WA, United States; Adams S.F., Department of Obs	Medical and Health Sciences	Journal for ImmunoTherapy of Cancer	2023	6	2051-1426	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162967876&doi=10.1136%2fjitc-2022-006624&partnerID=40&md5=2aa856d24aab5790bb977699f96ad6c1

Identification of the HLA-B*40:01:02:59 and -C*05:01:73 alleles in individuals from the northern regions of India	Rajak J., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India; P	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150992970&doi=10.1111%2ftan.15030&partnerID=40&md5=a5095488eab6d16ced3cc2bb5baa68a2
Effect of Peritumoral Infiltration of Local Anesthetic Before Surgery on Survival in Early Breast Cancer	Badwe R.A., Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Parmar V., Tata Memorial Centre, Ho	Life Sciences; Medical and Health Scienc	Journal of Clinical Oncology	2023	32	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163688729&doi=10.1200%2fJCO.22.01966&partnerID=40&md5=0caef8ceceab6698d261ff466da9107b
Multiscale deep learning framework captures systemic immune features in lymph nodes predictive of triple negative b	Verghese G., Cancer Bioinformatics, School of Cancer & Pharmaceutical Sciences, Faculty of Life Sciences and Medicine, Ki	Medical and Health Sciences	Journal of Pathology	2023	6	0022-3417	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160345384&doi=10.1002%2fpath.6088&partnerID=40&md5=4621c4b781ca9b2e9685274d1cb7c4e5
Exploring Texture Analysis to Optimize Bladder Preservation in Muscle Invasive Bladder Cancer	Mehta P., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Sinh	Medical and Health Sciences	Clinical Genitourinary Cancer	2023	1	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143833746&doi=10.1016%2fj.clgc.2022.11.010&partnerID=40&md5=d932d248a775fed2bf371e2324de28bc
FAPI PET Positivity in Fibrolamellar Hepatocellular Carcinoma	Suthar R.R., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Hospital, Homi Bhabha National Inst	Medical and Health Sciences	Clinical Nuclear Medicine	2023	3	0363-9762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161933210&doi=10.1097%2fRLU.0000000000004661&partnerID=40&md5=4b9a5b5a76a7ff11c063a102f6039f3c
Role of verbal autopsy in cancer registration: A mixed-methods study from the population-based cancer registry of No	Khanna D., Department of Preventive Oncology, Mahamana Pandit Madan Mohan Malaviya Cancer Centre and Homi Bha	Medical and Health Sciences	Tropical Medicine and International Health	2023	2	1360-2276	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164707865&doi=10.1111%2ftmi.13912&partnerID=40&md5=445ee2ec9c2c3cee92447359589754a9
Clinical Concept-Based Radiology Reports Classification Pipeline for Lung Carcinoma	Mithun S., Department of Radiation Oncology (Maastro), GROW School for Oncology and Reproduction, Maastricht Unive	Medical and Health Sciences	Journal of Digital Imaging	2023	5	0897-1889	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148025292&doi=10.1007%2fs10278-023-00787-z&partnerID=40&md5=85cd1b6ec93ed8585e427ed25916b5ef
Global application of National Comprehensive Cancer Network resource-stratified guidelines for systemic treatment o	Wilson B.E., Division of Cancer Care and Epidemiology, Queen's Cancer Research Institute and Department of Oncology, Q	Medical and Health Sciences	The Lancet Oncology	2023	3	1470-2045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160329862&doi=10.1016%2fS1470-2045%2823%2900183-3&partnerID=40&md5=a535386e79f6228e5ffba0b1c8ae867e
Triple Trouble: Disseminated Penicilliosis in a Cancer patient with COVID-19	Kamtalwar S., Department of General Medicine, Advanced Centre for Treatment, Research and Education in Cancer, ACTR	Life Sciences; Medical and Health Scienc	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170066659&doi=10.1055%2fs-0042-1759505&partnerID=40&md5=cc0c1fc0c39e5973da8c581cf4e71a81
Metabolic tumor parameters complement clinicopathological factors in prognosticating advanced stage Hodgkin Lym	Mohite A., Department of Nuclear medicine and Molecular Imaging, Tata Memorial Centre, Maharashtra, Mumbai, India,	Medical and Health Sciences	Asia Oceania Journal of Nuclear Medicine and Biology	2023	0	2322-5718	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160604104&doi=10.22038%2fAOJNMB.2023.69260.1482&partnerID=40&md5=4e48047acff5868b884c6f5277693276
Does Baska mask deserve its own niche among extraglottic airway devices? A prospective, single.arm study	Shah V., Department of Anaesthesia, NH-SRCC Children's Hospital, Maharashtra, Mumbai, India; Sharma K.S., Department	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	0	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165951295&doi=10.4103%2fija.ija_997_21&partnerID=40&md5=b4beaa56f4516297a11053c9e963a52e
Development of biotissue training models for anastomotic suturing in pancreatic surgery	Karadza E., Department of General, Visceral and Transplantation Surgery at Heidelberg University Hospital, Heidelberg, Ge	Medical and Health Sciences	HPB	2023	6	1365-182X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150363847&doi=10.1016%2fj.hpb.2023.02.002&partnerID=40&md5=16c161c6a0b8a0fdf8d188da00e6bcb3
Differential clinicopathological features, treatments and outcomes in patients with Exon 19 deletion and Exon 21 L858	Batra U., Department of Medical Oncology, Rajiv Gandhi Cancer Institute and Research Centre, Delhi, New Delhi, India; Bis	Medical and Health Sciences	BMJ Open Respiratory Research	2023	9	2052-4439	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163904443&doi=10.1136%2fbmjresp-2022-001492&partnerID=40&md5=3aa3d36ad48f1ef454a918b5ba9ec58e
Targeted molecular profiling of solid tumours-Indian tertiary cancer centre experience	Gurav M., Molecular Pathology laboratory, Department of Pathology, Tata Memorial Hospital, Homi Bhabha National Insti	Medical and Health Sciences	Journal of Cancer Research and Clinical Oncology	2023	3	0171-5216	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150244733&doi=10.1007%2fs00432-023-04693-3&partnerID=40&md5=cd72bb33f6f25c389ac994c524cf6f10
Effect of hyperthermic intraperitoneal chemotherapy on survival and recurrence rates in advanced gastric cancer: a sy	Patel M., Department of General Surgery, Queen's and King George's Hospital, Havering and Redbridge University NHS Tru	Medical and Health Sciences	International journal of surgery (London, England)	2023	3	1743-9159	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168428617&doi=10.1097%2fJS9.0000000000000457&partnerID=40&md5=938ab2896e273c0b9afd1275c83ecf8f
A dosimetric comparison of systemic peptide receptor radionuclide therapy and intra-arterial peptide receptor radion	Nautiyal A., Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Kharghar, Navi Mumbai, India, H	Medical and Health Sciences	Nuclear Medicine Communications	2023	1	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163236425&doi=10.1097%2fMNM.0000000000001696&partnerID=40&md5=79b837f0aabbec7675af5ef470dd7e69
Brachytherapy for Organ and Function Preservation in Soft-Tissue Sarcomas in Adult and Paediatric Patients	Laskar S., Department of Radiation Oncology, Tata Memorial Centre (TMC), Mumbai, India, Homi Bhabha National Institut	Medical and Health Sciences	Clinical Oncology	2023	1	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162916790&doi=10.1016%2fj.clon.2023.06.005&partnerID=40&md5=68d3921d71e88472ed8ac58613910964
Pediatric Cancer Burden in Different Regions of India: Analysis of Published Data From 33 Population-Based Cancer Re	Budukh A.M., Centre for Cancer Epidemiology (CCE), Tata Memorial Centre (TMC), Maharashtra, Navi Mumbai, India, Hom	Medical and Health Sciences	Indian Pediatrics	2023	4	0019-6061	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164268906&doi=10.1007%2fs13312-023-2931-0&partnerID=40&md5=5368f09d9d4851d57e0c97862db0ed61
The RAPIDO trial—Reduction in disease-related treatment failure does not translate into improved overall survival: a	Ballal D., Division of Colo-Rectal and Peritoneal Surface Oncology, Department of Surgical Oncology, Tata Memorial Hospit	Medical and Health Sciences	Colorectal Disease	2023	1	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165359284&doi=10.1111%2fcodi.16662&partnerID=40&md5=da26aeb9e3f83ed6e00a0c661186db03
Heat induced processing of cellblocks with significant reduction in overall turn around time	Dhende S., Department of Cytopathology, Tata Memorial Hospital, Tata Memorial Centre, Homi Bhabha National Institute	Medical and Health Sciences	Journal of Cytology	2023	0	0970-9371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171474060&doi=10.4103%2fjoc.joc_34_23&partnerID=40&md5=8ea4bc7c2da716e09df2aad0a5669513
Pearls & Oy-sters: Primary Diffuse Leptomeningeal Melanocytosis: A Diagnostic Conundrum	Selvarajan J.M.P., Departments of Radiation Oncology, India, Tata Memorial Hospital (TMH, Advanced Centre for Treatme	Medical and Health Sciences	Neurology	2023	0	0028-3878	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167701506&doi=10.1212%2fWNL.0000000000207195&partnerID=40&md5=71861fbe64a191e453414f38fe65d40f
Prophylactic versus reactive feeding approach in patients undergoing adjuvant radiation therapy for oral cavity squam	Ghosh Laskar S., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra	Medical and Health Sciences	Head and Neck	2023	0	1043-3074	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150646750&doi=10.1002%2fhed.27336&partnerID=40&md5=aaa22414b8c667ae44bccdc721ce212f
Recurrent IDH2 Mutations in Salivary Gland Striated Duct Adenoma Define an Expanded Histologic Spectrum Distinct	Rooper L.M., Department of Pathology, The Johns Hopkins University School of Medicine, Baltimore, MD, United States, D	Medical and Health Sciences	American Journal of Surgical Pathology	2023	5	0147-5185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147704009&doi=10.1097%2fPAS.0000000000002004&partnerID=40&md5=4ea645369e2515361d284dac2d89a804
Imaging Recommendations for Diagnosis, Staging, and Management of Hereditary Malignancies	Majithia J., Department of Radiodiagnosis, Tata Memorial Hospital, Maharashtra, Mumbai, India; Mahajan A., Department	Life Sciences; Medical and Health Scienc	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160430837&doi=10.1055%2fs-0042-1760325&partnerID=40&md5=7fd86a49c9df447e04b817d3f5786c7d
Results of Phase III Randomized Trial for Use of Docetaxel as a Radiosensitizer in Patients with Head and Neck Cancer,	Patil V.M., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Mumbai, In	Medical and Health Sciences	Journal of Clinical Oncology	2023	25	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152158567&doi=10.1200%2fJCO.22.00980&partnerID=40&md5=a9f1567ade70fff02c1438b3b814ad77
Serum Raman spectroscopy: Prognostic applications in oral cancers	Saha P., Tata Memorial Centre, Advanced Centre for Treatment, Education and Research in Cancer, Maharashtra, Navi Mu	Life Sciences	Head and Neck	2023	1	1043-3074	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150741349&doi=10.1002%2fhed.27338&partnerID=40&md5=b61d80a9f95f00cfabb2d0ce840d06ed
Outcomes of relapsed/refractory extracranial germ cell tumors treated on conventional salvage chemotherapy withou	Ramanathan S., Department of Paediatric Oncology, Great North Children's Hospital, Royal Victoria Infirmary, Tyne and W	Medical and Health Sciences	Pediatric Blood and Cancer	2023	1	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146344817&doi=10.1002%2fpbc.30179&partnerID=40&md5=3781df9e602cfba5afaa9bfdd3de1f8c
Sigmoid dose accumulation and reporting for multifractionated brachytherapy for cervical cancer: Methodological de	Bindal A., Department of Radiation Oncology and Medical Physics, Tata Memorial Hospital, Tata Memorial Centre, Homi B	Medical and Health Sciences	Brachytherapy	2023	0	1538-4721	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149293945&doi=10.1016%2fj.brachy.2023.01.003&partnerID=40&md5=060fca624d4dd3b735f8337d9eb3e932
Oncologic Liver Resections in a Geriatric Population: Peri-operative, Long-Term and Quality-of-Life Outcomes—Experi	Patkar S., Department of Surgical Oncology – GI and HPB Services, Tata Memorial Hospital, Homi Bhabha National Institute	Medical and Health Sciences	World Journal of Surgery	2023	0	0364-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145918521&doi=10.1007%2fs00268-023-06895-9&partnerID=40&md5=4210ba2f2fe3f6aba02874fedd416179
Early endometrial carcinoma: Experience and outcomes	Goel P., Department of Departments of Surgical Oncology, Radiation Oncology, Medical Oncology and Pathology, Homi Bh	Medical and Health Sciences	Journal of Cancer Research and Therapeutics	2023	0	0973-1482	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159108948&doi=10.4103%2fjcrt.jcrt_920_21&partnerID=40&md5=f582bf87a4b102f04143c5488a324b0d
Challenges in oncology career: are we closing the gender gap? Results of the new ESMO Women for Oncology Commi	Linardou H., 4th Oncology Department & Comprehensive Clinical Trials Centre, Metropolitan Hospital, Athens, Greece; Ad	Medical and Health Sciences	ESMO Open	2023	6	2059-7029	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148696864&doi=10.1016%2fj.esmoop.2023.100781&partnerID=40&md5=8388ef38567189c426bbbc2d6dda8c25
Utilising alternative cystoscopic schedules to minimise cost and patient burden after trimodality therapy for muscle-in	Krishnatry R., Department of Radiation Oncology, Tata Memorial Centre and Advanced Centre for Treatment, Research an	Medical and Health Sciences	Cancer Medicine	2023	0	2045-7634	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150817416&doi=10.1002%2fcam4.5840&partnerID=40&md5=15041c56be57966a8f4b86fc689a1503
Identification of the novel HLA-DQA1*01:01:01:11 and -DQA1*01:03:01:13 alleles in individuals from India	D'Silva S.Z., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, Indi	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142415177&doi=10.1111%2ftan.14888&partnerID=40&md5=e2ff22983372619fb6a2d465c3d5139b
Metronomic Chemotherapy for Burkitt Lymphoma in a Patient With HIV: Case Report	Dwivedi P., Department of Pediatric Oncology, National Cancer Institute, Nagpur, India; Kapse A., Department of Pediatric	Medical and Health Sciences	Journal of Pediatric Hematology/Oncology	2023	1	1077-4114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148773484&doi=10.1097%2fMPH.0000000000002547&partnerID=40&md5=0d5eecb55e2db46355f9c8a7bfd53d44
Metronomic adjuvant chemotherapy evaluation in locally advanced head and neck cancers post radical chemoradiatio	Patil V., Department of Medical Oncology, Tata Memorial Centre, HBNI, Mumbai, India; Noronha V., Department of Medic	Medical and Health Sciences	The Lancet Regional Health - Southeast Asia	2023	1	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153619884&doi=10.1016%2fj.lansea.2023.100162&partnerID=40&md5=9c4b139cf954c6b75a4ef93989d29c0b
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Imaging Recommendations for Positron Emission Tomography (PET) in Oncology	Chaturvedi A.K., Department of Radiology, Rajiv Gandhi Cancer Institute, New Delhi, India; Mahajan A., Department of Ra	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160435186&doi=10.1055%2fs-0042-1760308&partnerID=40&md5=154e72d42ead952f97d18a357c32500d
Role of Education and Income on Disparities of Time -to-Treatment Initiation and its Impact on Cervical Cancer Surviva	Sivaranjini K., Division of HBCR and POCSS, Centre for Cancer Epidemiology, Tata Memorial Centre, Homi Bhabha National	Medical and Health Sciences	Indian Journal of Public Health	2023	2	0019-557X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165050655&doi=10.4103%2fijph.ijph_1299_22&partnerID=40&md5=29af61db727efe26d9cb95e0c19d751c
The burden of peri-operative work at night as perceived by anaesthesiologists: An international survey	Cortegiani A., Department of Surgical, Oncological and Oral Science (Di.Chir.On.S.), University of Palermo, Italy, Departme	Medical and Health Sciences	European Journal of Anaesthesiology	2023	7	0265-0215	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152168861&doi=10.1097%2fEJA.0000000000001791&partnerID=40&md5=b89d912e01ff0bc42f6f135960983931
Can 18F-FDG-Positron Emission Tomography be a Prognostic Tool in Children With Rhabdomyosarcoma Treated With	Cheriyalinkal Parambil B., Department of Pediatric Oncology, Homi Bhabha National Institute, Mumbai, India; Shah S., Nuc	Medical and Health Sciences	Journal of Pediatric Hematology/Oncology	2023	4	1077-4114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151042790&doi=10.1097%2fMPH.0000000000002565&partnerID=40&md5=3555f737f6096ad2b625668b4b9fc6f1
Imaging Recommendations for Diagnosis, Staging, and Management of Hematological Malignancies	Guha A., Department of Radio-diagnosis, Tata Memorial Hospital, Maharashtra, Mumbai, India	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	1	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160413905&doi=10.1055%2fs-0042-1760327&partnerID=40&md5=f71dd0d2248df18e39f6f6024d633b9e
Awake proning in patients with COVID-19-related hypoxemic acute respiratory failure: A rapid practice guideline	Myatra S.N., Department of Anesthesiology, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha National Institut	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2023	8	0001-5172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147562328&doi=10.1111%2faas.14205&partnerID=40&md5=3781587e0c56866105a1d59f94aaa469
A single-Arm prospective interventional study to assess the efficacy of continuous bronchial cuff pressure monitoring	Parab S., Department of Anesthesiology, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha National Institute, M	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	0	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151898590&doi=10.4103%2fija.ija_920_22&partnerID=40&md5=56f7ce833de5287dfd6fdbeb907e6e00
Primary Intracranial Germ Cell Tumors: A Study with an Integrated Clinicopathological Approach	Sahay A., Department of Pathology, Tata Memorial Hospital and ACTREC, Homi Bhabha National Institute (HBNI), Tata Me	Mathematical Sciences; Medical and He	Neurology India	2023	1	1998-4022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163904121&doi=10.4103%2f0028-3886.378644&partnerID=40&md5=88fcc9912e5038c3ffaeb3286d7d9476
In Silico-Based Structural Evaluation to Categorize the Pathogenicity of Mutations Identified in the RAD Class of Protei	Anwaar A., Advanced Centre for Treatment, Research and Education in Cancer, Maharashtra, Navi Mumbai, 410210, India	Life Sciences	ACS Omega	2023	0	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149870552&doi=10.1021%2facsomega.2c07802&partnerID=40&md5=b1e3b2e0167e5b8285d247b102e99426
A Rare Case of a Solitary Fibrous Tumor in a Child, Presenting as a Congenital Mass, Displaying NAB2ex4::STAT6ex2 Ge	Rao V., Department of Surgical Pathology, Tata Memorial Hospital (TMH), Narayana Health, Bengaluru, India; Rekhi B., De	Medical and Health Sciences	International Journal of Surgical Pathology	2023	0	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132820377&doi=10.1177%2f10668969221102543&partnerID=40&md5=65763ce8c67e2611feb6acdec86f1831
A Simple Classification of Pancreatic Duct Size and Texture Predicts Postoperative Pancreatic Fistula: A classification o	Schuh F., Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany; M	Medical and Health Sciences	Annals of Surgery	2023	87	0003-4932	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147536543&doi=10.1097%2fSLA.0000000000004855&partnerID=40&md5=5d79665bf3ab540794806efdab2f0314
Non-surgical organ preservation in laryngeal and hypopharyngeal cancers: An audit from the clinic	Sood S., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Sinha	Medical and Health Sciences	Journal of Laryngology and Otology	2023	0	0022-2151	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132695509&doi=10.1017%2fS002221512200113X&partnerID=40&md5=3f80477d9daf34b0b3715945a05048f1
Imaging Recommendations for Image-Guided Biopsy in Oncology	Gala K.B., Department of Radio-Diagnosis, Tata Memorial Hospital, Tata Memorial Centre, Mumbai, India, Department of	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160412404&doi=10.1055%2fs-0043-1761265&partnerID=40&md5=684023ab79a1949da2cd3ca0be2dd41c
Exposure-Response Relationship of Posaconazole Suspension in Theprophylaxis of Invasive Fungal Infections in Patien	Sengar M., Department of Medical Oncology, Tata Memorial Centre, Homi Bhabha National University, Dr. E. Borges Road	Life Sciences; Medical and Health Scienc	Indian Journal of Hematology and Blood Transfusion	2023	1	0971-4502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137534802&doi=10.1007%2fs12288-022-01568-4&partnerID=40&md5=b3db22a531e3d9564f24482ad03e3cc9
Utility and limitations of intraoperative frozen section diagnosis to determine optimal surgical strategy in suspected ga	Patkar S., Department of Gastrointestinal and Hepatobiliary Surgery, Department of Surgical Oncology, Tata Memorial Ho	Medical and Health Sciences	HPB	2023	2	1365-182X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146008623&doi=10.1016%2fj.hpb.2022.12.003&partnerID=40&md5=1fbe000dd95df18cb1ddc3bf879cdece
Long term outcomes of phase I/II study of palliative triple metronomic chemotherapy in platinum-refractory/early fail	Babanrao Dhumal S., Department of Radiation Oncology, Advanced Centre for Treatment, Research and Education in Canc	Medical and Health Sciences	The Lancet Regional Health - Southeast Asia	2023	2	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153961056&doi=10.1016%2fj.lansea.2023.100143&partnerID=40&md5=179dcb5c1b58426e636af4e87e1b6ec8
Demographic Profiles and Survival Outcomes of Patients With Urachal Adenocarcinoma: A Rare Tumor of the Urachal	Bhargava P., Deptartment of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Mumbai,	Medical and Health Sciences	Clinical Genitourinary Cancer	2023	0	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140606547&doi=10.1016%2fj.clgc.2022.09.008&partnerID=40&md5=45c15fd0e65006eac35d3cba33700ab5
Endoscopic Ultrasound-Guided Antegrade Stent Placement in Patients with Failed ERCP as a Modality of Preoperative	Sundaram S., Department of Digestive Diseases and Clinical Nutrition, Tata Memorial Hospital, Mumbai, India, Homi Bhab	Medical and Health Sciences	Digestive Diseases and Sciences	2023	3	0163-2116	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135841444&doi=10.1007%2fs10620-022-07655-w&partnerID=40&md5=5c4db23abe4cac412e1018bd38be019a
Clinical audit of breast cancer patients treated with helical tomotherapy for irradiation of the internal mammary chair	Shrivastav G., Department of Radiation Oncology, ACTREC, Tata Memorial Centre, Homi Bhabha National Institute, Khargh	Medical and Health Sciences	Journal of Radiotherapy in Practice	2023	0	1460-3969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128475388&doi=10.1017%2fS1460396921000625&partnerID=40&md5=d0790e8a1c3c50390f73297bed0a868d
Epidemiology of rare cancers in India and South Asian countries – remembering the forgotten	Mailankody S., Department of Medical Oncology, Kasturba Medical College, Manipal, Manipal Academy of Higher Educati	Life Sciences; Medical and Health Scienc	The Lancet Regional Health - Southeast Asia	2023	6	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153872181&doi=10.1016%2fj.lansea.2023.100168&partnerID=40&md5=909fc995dd39e8ab5d1aafdf0a766766
Radical surgery for stage iv gallbladder cancers: Treatment strategies in patients with limited metastatic burden	Patkar S., Gastrointestinal and Hepato-Pancreato-Biliary Service, Department of Surgical Oncology, Tata Memorial Centre,	Medical and Health Sciences	Annals of Hepato-Biliary-Pancreatic Surgery	2023	2	2508-5778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160444499&doi=10.14701%2fahbps.22-111&partnerID=40&md5=3635069e9b3ade5ba3acaafd428f157e
Rapid on-site evaluation (ROSE) versus macroscopic on-site evaluation (MOSE) for endoscopic ultrasound-guided sam	Sundaram S., Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, India; Chhanchure U., Tata Memorial Hos	Medical and Health Sciences	Annals of Gastroenterology	2023	6	1108-7471	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160039896&doi=10.20524%2faog.2023.0790&partnerID=40&md5=6016023d9e3ed712faae8d87edd7250d
The use of an obstetric balloon as a pelvic spacer in preventing empty pelvis syndrome after total pelvic exenteration	Kazi M., Division of Colorectal Surgery, Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, India, Homi Bh	Medical and Health Sciences	Colorectal Disease	2023	5	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142907148&doi=10.1111%2fcodi.16424&partnerID=40&md5=c47853b307d67b15de40275851ef7c6b
Human Immunodeficiency Virus Associated Plasmablastic Lymphoma Involving Bones and Peritoneum in a 4-Year-old	Ramanathan S., Department of Paediatric Oncology, Great North Children's Hospital, Newcastle-upon-Tyne, United Kingdo	Medical and Health Sciences	Journal of Pediatric Hematology/Oncology	2023	0	1077-4114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153414407&doi=10.1097%2fMPH.0000000000002534&partnerID=40&md5=7e683dc815d934f6bade9020c0326992
Primary Neuroendocrine Tumor of Prostate in a Case of Metastatic Adenocarcinoma of Lung: Rare Entity with Histopa	Dev I.D., Department of Nuclear Medicine and Molecular Imaging, Maharashtra, Mumbai, India; Puranik A.D., Department	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2023	0	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164617595&doi=10.4103%2fijnm.ijnm_193_22&partnerID=40&md5=2eb6abc2dd844780917a69b6f85357b2
Development and characterization of a patient-derived orthotopic xenograft of therapy-resistant breast cancer	Butti R., Laboratory of Tumor Biology, Angiogenesis and Nanomedicine Research, National Centre for Cell Science, Mahara	Life Sciences; Medical and Health Scienc	Oncology Reports	2023	1	1021-335X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151315985&doi=10.3892%2for.2023.8536&partnerID=40&md5=5fb1e0e465374b511f8b0b0d9662df7e
In-Situ 'Divide' and 'Deliver': A Simple Technique to Preserve Nerves in Chimeric Anterolateral Thigh Flap Harvest	Jaiswal D., Department of Plastic and Reconstructive Surgery, Tata Memorial Hospital, Homi Bhabha National Institute, M	Medical and Health Sciences	Indian Journal of Plastic Surgery	2023	1	0970-0358	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151817482&doi=10.1055%2fs-0043-1760829&partnerID=40&md5=297d1d12cc5f0cbe3c4d26c5ce309259
Early outcomes of abbreviated multi-fractionated brachytherapy schedule for cervix cancer during COVID-19 pandem	Chopra S., Department of Radiation Oncology, Advanced Centre For Treatment, Research and Education in Cancer(ACTREC	Life Sciences; Medical and Health Scienc	Brachytherapy	2023	3	1538-4721	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148713069&doi=10.1016%2fj.brachy.2022.10.006&partnerID=40&md5=175da8d2d837378ffd92f996b6d32ce9
Image-guidance triggered adaptive radiation therapy in head and neck squamous cell carcinoma: single-institution ex	Gupta T., Department of 1Radiation Oncology and Medical Physics, ACTREC/TMH, Tata Memorial Centre, Homi Bhabha Na	Medical and Health Sciences	Journal of Medical Imaging and Radiation Sciences	2023	1	1939-8654	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148767606&doi=10.1016%2fj.jmir.2022.11.013&partnerID=40&md5=1b1f76e7cecc71c5019b5bfe78764401
What are the preoperative predictors of a futile pelvic exenteration in rectal cancers?	Kazi M., Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, 400012, India, Homi Bhabha National Institut	Medical and Health Sciences	European Journal of Surgical Oncology	2023	4	0748-7983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141881557&doi=10.1016%2fj.ejso.2022.10.022&partnerID=40&md5=5536397cd650c60e6ad7a92bea8573d8
Penile squamous cell carcinoma exclusive to the shaft, with a proposal for a novel staging system	Tekin B., Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, 55905, MN, United States; Guo R., D	Medical and Health Sciences	Human Pathology	2023	3	0046-8177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147107583&doi=10.1016%2fj.humpath.2022.12.012&partnerID=40&md5=a6fd3b23d62fcdce7c467547d351f517
Time Series Analysis Using Different Forecast Methods and Case Fatality Rate for Covid-19 Pandemic	Bhattacharjee A., Section of Biostatistics, Centre for Cancer Epidemiology, Tata Memorial Center, Navi Mumbai, India, Ho	Medical and Health Sciences	Regional Science Policy and Practice	2023	1	1757-7802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131650616&doi=10.1111%2frsp3.12555&partnerID=40&md5=6b7fb910c38a2891cf5701b8921bb821
A prospective study to evaluate the use of surveillance venous ultrasonography to detect incidence of deep venous th	Ambulkar R., Department of Anesthesiology, Critical Care and Pain, Tata Memorial Hospital, Maharashtra, Mumbai, India;	Medical and Health Sciences	Journal of Neurosciences in Rural Practice	2023	1	0976-3147	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168751175&doi=10.25259%2fJNRP_26_2022&partnerID=40&md5=c31dc86c0f3baf43b1f18d4f81f6d63c
Patient Safety in Intensive Care Unit: What can We do Better?	Patil S.J., Department of Intensive Care Medicine, North West Anglia NHS Foundation Trust, Cambridgeshire, Peterboroug	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2023	1	0972-5229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149626144&doi=10.5005%2fjp-journals-10071-24415&partnerID=40&md5=12544ae595bdc104bd4c51a45d5bf340
Splenic surprise in a case of renal cell carcinoma: Unusual case or association?	Agrawal T., Department of Pathology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, Maharashtra, Indi	Medical and Health Sciences	Journal of postgraduate medicine	2023	0	0972-2823	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152602525&doi=10.4103%2fjpgm.jpgm_285_22&partnerID=40&md5=1ab9c9c8e9ba3ebbad3e412f7c2147ba
Lipocalin 2 inhibits actin glutathionylation to promote invasion and migration	Choudhary B.S., Cell and Tumor Biology, Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Tata	Life Sciences	FEBS Letters	2023	2	0014-5793	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146970645&doi=10.1002%2f1873-3468.14572&partnerID=40&md5=4bfacbea7a1dc96a46a29b31ca19c6fa
Oral cavity adjuvant therapy (OCAT) -a phase III, randomized controlled trial of surgery followed by conventional RT (5	Laskar S.G., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute (HBNI), Mumbai, I	Medical and Health Sciences	European Journal of Cancer	2023	5	0959-8049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146468783&doi=10.1016%2fj.ejca.2022.12.016&partnerID=40&md5=b70226841422c962272b7f0176e1af68
Optimizing Target Volume for Adjuvant Radiation Therapy in Penile Cancer	Khurud P., Department of Radiation Oncology, Tata Memorial Centre (TMH/ACTREC), Mumbai, India, Homi Bhabha Nation	Medical and Health Sciences	Practical Radiation Oncology	2023	0	1879-8500	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144344565&doi=10.1016%2fj.prro.2022.11.001&partnerID=40&md5=7d1470d7c14dff4fce8c63052e9d262a
Evaluation of Pathogenicity and Structural Alterations for the Mutations Identified in the Conserved Region of the C-T	Chikhale V., Advanced Centre for Treatment, Research and Education in Cancer, Maharashtra, Navi Mumbai, 410210, Indi	Life Sciences	ACS Omega	2023	3	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156272511&doi=10.1021%2facsomega.3c00722&partnerID=40&md5=85aeaf3e194d258188a4e52c4cedc951
Expert Consensus Recommendations on Biomarker Testing in Metastatic and Nonmetastatic NSCLC in Asia	Mitsudomi T., Division of Thoracic Surgery, Faculty of Medicine, Kindai University—Osaka-Sayama, Osaka, Japan; Tan D., D	Medical and Health Sciences	Journal of Thoracic Oncology	2023	20	1556-0864	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143855499&doi=10.1016%2fj.jtho.2022.10.021&partnerID=40&md5=8f60fabc92afc12dcf235b6b40e289f0
Imaging-Based Patterns of Failure following Re-Irradiation for Recurrent/Progressive High-Grade Glioma †	Datta D., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, 400012, India, Homi Bhabha National Institu	Medical and Health Sciences	Journal of Personalized Medicine	2023	0	2075-4426	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154565458&doi=10.3390%2fjpm13040685&partnerID=40&md5=8a3790b6dfa3df336e178fc944f59ca1
6-Shogaol Exhibits Anti-viral and Anti-inflammatory Activity in COVID-19-Associated Inflammation by Regulating NLRP	Kode J., Kode Lab, Tumor Immunology & Immunotherapy Group, Advanced Centre for Treatment, Research & Education in	Life Sciences	ACS Omega	2023	9	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146154219&doi=10.1021%2fACSOMEGA.2C07138&partnerID=40&md5=fc29ade5c1b330d29ce81f9fcdafeb71
Renal Inflammatory Myofibroblastic Tumor in an Infant: Case Report with Review of Literature	Dave V., Department of Pathology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, Mumbai, India; S	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179797410&doi=10.1055%2fs-0043-1777041&partnerID=40&md5=575491016ccd89632a947e5fff10c9e4
Oncological safety and feasibility of posterior marginal mandibulectomy vis-À-vis anterior marginal mandibulectomy i	Nair S., Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Tata Memorial Centre, The Homi Bha	Medical and Health Sciences	South Asian Journal of Cancer	2023	0	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195163877&doi=10.1055%2fs-0044-1787291&partnerID=40&md5=cfdb56d9e9f9cebe7a20c66430675e59
Role of computed tomography in the evaluation of regional metastasis in well-differentiated thyroid cancer	Vaish R., Head and Neck Services, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, India; Mahajan A., De	Medical and Health Sciences	Frontiers in Radiology	2023	1	2673-8740	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183634811&doi=10.3389%2ffradi.2023.1243000&partnerID=40&md5=8dc4ee81376225cb47f34390b6215843
Targeted nano-delivery of chemotherapy via intranasal route suppresses in vivo glioblastoma growth and prolongs su	Sandbhor P., Department of Biosciences and Bioengineering, Indian Institute of Technology, Mumbai, Bombay, Powai, Ind	Life Sciences; Medical and Health Scienc	Drug Delivery and Translational Research	2023	13	2190-393X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140064654&doi=10.1007%2fs13346-022-01220-8&partnerID=40&md5=236d0b79e2e23b20ea13b48050b35e37
Low-Dose Immunotherapy in Head and Neck Cancer: A Randomized Study	Patil V.M., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Mumbai, In	Medical and Health Sciences	Journal of Clinical Oncology	2023	71	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145668838&doi=10.1200%2fJCO.22.01015&partnerID=40&md5=ebaf8cad05902ce315430345db95da87
Diagnostic performance of F-18 FDG PET/CT in recurrent adenocarcinoma gallbladder and its impact on post-recurren	Bedmutha A.S., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Hospital, Homi Bhabha National	Medical and Health Sciences	Japanese Journal of Radiology	2023	2	1867-1071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138237978&doi=10.1007%2fs11604-022-01340-8&partnerID=40&md5=4613e21a9a480343627dee2775207943

Response assessment of post-treatment head and neck cancers to determine further management using NI-RADS (Ne	Mahajan A., Department of Radiodiagnosis, The Clatterbridge Cancer Centre, University of Liverpool, Liverpool, United Kin	Medical and Health Sciences	Frontiers in Oncology	2023	0	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173980959&doi=10.3389%2ffonc.2023.1200366&partnerID=40&md5=a5b2981d5fda53deeb0868dc3edee3dc
Impact of age at vaccination and cervical HPV infection status on binding and neutralizing antibody titers at 10 years a	Bhatla N., Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, New Delhi, India; Muwonge R.	Medical and Health Sciences	Human Vaccines and Immunotherapeutics	2023	1	2164-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179639120&doi=10.1080%2f21645515.2023.2289242&partnerID=40&md5=9ef36d0b4c69ff8f44c4010bfc9b083d
Identification of the novel HLA-A*24:02:01:136 allele in a Northern Indian individual from a Muslim family	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142902610&doi=10.1111%2ftan.14829&partnerID=40&md5=0e24283211011ff318f8d5b6a2ce2f67
Impact of Revised Margin Negative Guidelines in Breast Cancer on Survival: Single Institution Audit	Nair N., Department of Surgical Oncology, Tata Memorial Centre and Homi Bhabha National Institute, Mumbai, India; Nan	Medical and Health Sciences	Indian Journal of Surgery	2023	0	0972-2068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177421546&doi=10.1007%2fs12262-023-03982-y&partnerID=40&md5=da296edf64527eb7ff55666a18fd889d
Evaluation of immune response to single dose of quadrivalent HPV vaccine at 10-year post-vaccination	Joshi S., Jehangir Clinical Development Centre, Jehangir Hospital Premises, Pune, 411 001, India; Anantharaman D., Rajiv G	Medical and Health Sciences	Vaccine	2023	20	0264-410X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143497984&doi=10.1016%2fj.vaccine.2022.11.044&partnerID=40&md5=acfe58efdb428abc48a49c6d71dd640e
Exclusive use of different types of tobacco products, exposure to secondhand tobacco smoke and risk of subtypes of h	Gholap D., Division of Molecular Epidemiology and Population Genetics, Centre for Cancer Epidemiology, Tata Memorial C	Medical and Health Sciences	International Journal of Cancer	2023	5	0020-7136	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137602555&doi=10.1002%2fijc.34258&partnerID=40&md5=05e03bde3632bb25ab861c63e99eff2a
Simultaneous resection of synchronous colorectal liver metastasis: Feasibility and development of a prediction model	Kazi M., Division of Gastrointestinal and Hepatopancreaticobiliary Surgery, Department of Surgical Oncology, Tata Memor	Medical and Health Sciences	Annals of Hepato-Biliary-Pancreatic Surgery	2023	7	2508-5778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148659935&doi=10.14701%2fahbps.22-043&partnerID=40&md5=deedbb54cf1a2686817fee59abf73512
An Analysis of Eosinophil- and Basophil-Based Indices in Patients with Glioblastoma and their Correlation with Surviva	Madhugiri V.S., Department of Neurosurgery, National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangal	Medical and Health Sciences	World Neurosurgery	2023	4	1878-8750	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143518572&doi=10.1016%2fj.wneu.2022.11.008&partnerID=40&md5=c8bf71828d3dd85ce142a936b8c0d80c
Assessing the Agreement Between Preoperative Fine-Needle Aspiration Cytology (FNAC) Done for Major Salivary Glan	Jain S., Department of Head & Neck Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Pa	Medical and Health Sciences	Indian Journal of Surgical Oncology	2023	1	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136493173&doi=10.1007%2fs13193-022-01624-5&partnerID=40&md5=9e7dcc00584d91b245a40f86196a832f
Real-world outcomes of diffuse large B-cell lymphoma in the biosimilar era	Nair R., Department of Clinical Haematology, Tata Medical Centre, West Bengal, Kolkata, India; Bhat G.M., Department of	Medical and Health Sciences	Frontiers in Oncology	2023	0	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174566037&doi=10.3389%2ffonc.2023.1248723&partnerID=40&md5=c080c1e9cc97bb4646680e4e7c09541c
Characterization of the novel HLA-B*58:01:01:19 allele by next-generation sequencing	Tambe M., Transplant Immunology and Immunogenetics laboratory, CCE, Advanced Centre for Treatment, Research and E	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141394978&doi=10.1111%2ftan.14850&partnerID=40&md5=3911b25d034c1cb65d7bee4d8689508d
Identification of the novel HLA-C*07:02:01:184 allele in an Indian individual from a Kshatriya family	Tambe M., Transplant Immunology and Immunogenetics Laboratory, CCE, Advanced Centre for Treatment, Research and	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141440211&doi=10.1111%2ftan.14865&partnerID=40&md5=fd04a33c27f3948834613d8d501ebbac
Heterogeneous treatment effects of dexamethasone 12 mg versus 6 mg in patients with COVID-19 and severe hypoxa	Granholm A., Department of Intensive Care, Rigshospitalet—Copenhagen University Hospital, Copenhagen, Denmark, Col	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2023	3	0001-5172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141525212&doi=10.1111%2faas.14167&partnerID=40&md5=a25290f7cd62ed4ebda0a4edad323147
Exploring the implications of modified advanced lung cancer inflammation index on outcomes in patients with advanc	Mahajan A., Clatterbridge Centre for Oncology NHS Foundation Trust, Liverpool, L7 8YA, United Kingdom; Goyal D., Depar	Medical and Health Sciences	Exploration of Targeted Anti-tumor Therapy	2023	1	2692-3114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184909162&doi=10.37349%2fetat.2023.00172&partnerID=40&md5=6fdecf5d1fa3fa3e19fd2452912dffab
Multimodal Management of Testicular Mesothelioma - A Retrospective Analysis From a Tertiary Cancer Care Centre	Rathinasamy N., Department of Oncology, PSG Institute of Medical Science and Research, Tamil Nadu, Coimbatore, India;	Medical and Health Sciences	Clinical Genitourinary Cancer	2023	1	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139381514&doi=10.1016%2fj.clgc.2022.09.001&partnerID=40&md5=14d0dbb88113cbe517113a556b110ed0
Identification of the novel HLA allele, HLA-A*11:01:01:86, in an individual from north India	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142875110&doi=10.1111%2ftan.14842&partnerID=40&md5=ea8bc93c6ad9bd325aa1601d2ddefdb5
TFL perforator flap - complementing and completing the ALT-AMT flap axis	Jaiswal D., Department of Plastic Reconstructive Surgery, Tata Memorial hospital and Homi Bhabha National Institute, Mu	Medical and Health Sciences	Archives of Plastic Surgery	2023	0	2234-6163	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192740245&doi=10.1055%2fa-2319-1564&partnerID=40&md5=543c125ec6f23bd11902ab6b270e2a4e
Identification of the novel HLA-DQA1*01:01:01:10 allele in an individual from Orissa, India	Pinto A.S., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140081912&doi=10.1111%2ftan.14836&partnerID=40&md5=06fd8a3d0cbd84615b7509af415ee8f8
Pan-Asian adapted ESMO Clinical Practice Guidelines for the diagnosis, treatment and follow-up of patients with endo	Koppikar S., Department of Medical Oncology, Lilavati Hospital and Research Centre, Mumbai, India, Department of Medi	Life Sciences; Medical and Health Scienc	ESMO Open	2023	7	2059-7029	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146617264&doi=10.1016%2fj.esmoop.2022.100774&partnerID=40&md5=1644705cb5fa04ea5df54087dbde9cd1
The Curing Coma Campaign®: Concerns in the Indian Subcontinent	Kapoor I., Department of Neuroanaesthesiology and Critical Care, AIIMS, New Delhi, India; Mahajan C., Department of Ne	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2023	1	0972-5229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147589402&doi=10.5005%2fjp-journals-10071-24397&partnerID=40&md5=74e9e87bd5ddc462f2d7fec020b8b693
Prospective Study of Incidence and Impact of Comorbidities on Breast Cancer Survival from India	Wadasadawala T., Department of Radiation Oncology, Tata Memorial Center, Homi Bhabha National Institute, Maharasht	Life Sciences; Medical and Health Scienc	Asian Pacific Journal of Cancer Prevention	2023	1	1513-7368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178497296&doi=10.31557%2fAPJCP.2023.24.11.3805&partnerID=40&md5=c16feca6167a02835e9e4115c5a83734
Sentinel lymph node biopsy in early oral cancers: are we ready for it yet? Results from a survey among Indian surgeon	Malik A., Dept. of Head & Neck Surgical Oncology, Max Superspeciality Hospital, Saket, New Delhi, India; Dhar H., Dept. of	Medical and Health Sciences	Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology	2023	2	2212-4403	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139735776&doi=10.1016%2fj.oooo.2022.06.001&partnerID=40&md5=623d225cee7ac208e9e51e7a870aa65d
Heritable defects in telomere and mitotic function selectively predispose to sarcomas	Ballinger M.L., Garvan Institute of Medical Research, Sydney, 2010, Australia, St Vincent's Clinical School, University of Ne	Medical and Health Sciences	Science	2023	16	0036-8075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146853415&doi=10.1126%2fscience.abj4784&partnerID=40&md5=cdecc73875ff4eddcc741e7c576679e4
Identification of the novel HLA allele, HLA-B*37:01:01:19, in an individual from northern India	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141217298&doi=10.1111%2ftan.14860&partnerID=40&md5=0255b9922951402ad8499b6e5c2bbe19
Splenectomy and Distal Pancreaticosplenectomy: Surgical Anatomy and Technique Specific to Advanced Ovarian Canc	Poddar P., Department of Gynecological Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Dr Ernst Borg	Medical and Health Sciences	Indian Journal of Surgical Oncology	2023	0	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112582921&doi=10.1007%2fs13193-021-01412-7&partnerID=40&md5=6be2757d9a3b816642a063adde75f1f0
Pediatric cancer-associated thrombosis: Analysis from a tertiary care cancer center in India	Dhariwal N., Division of Pediatric Oncology, Department of Medical Oncology, Tata Memorial Hospital, Maharashtra, Mum	Medical and Health Sciences	Pediatric Blood and Cancer	2023	0	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143404677&doi=10.1002%2fpbc.30096&partnerID=40&md5=69953b04cce6f1485ae013b30f6f6583
Bayesian Effective Biological Dose Determination in Immunotherapy Response Trial	Banerjee S., Department of Mathematics and Computing, Indian Institute of Technology-Dhanbad, Dhanbad, India; Bose T	Medical and Health Sciences	Annals of Data Science	2023	0	2198-5804	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107809088&doi=10.1007%2fs40745-021-00335-y&partnerID=40&md5=2e94f6859cc600a40ef94a824af96934
The complementary role of MRI and FET PET in high grade gliomas to differentiate recurrence from radionecrosis	Sahu A., Department of Radiodiagnosis, Tata Memorial Hospital and Homi Bhabha National Institute, Mumbai, India; Mat	Medical and Health Sciences	Frontiers in Nuclear Medicine	2023	1	2673-8880	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183664445&doi=10.3389%2ffnume.2023.1040998&partnerID=40&md5=5465eea320c3040d37bf7fcce69a4c60
Role of imaging in the management of thyroglossal duct cyst carcinomas (TGC-TIRADS): a single centre retrospective s	Mahajan A., Department of Radiology, The Clatterbridge Cancer Centre, Liverpool, United Kingdom; Deokar S., Departmer	Medical and Health Sciences	Frontiers in Oncology	2023	1	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178899144&doi=10.3389%2ffonc.2023.1201774&partnerID=40&md5=0488fa9dd19fe58c0493710536839fed
The novel HLA-B*40:02:01:39 allele in an individual from a Kshatriya family in North India	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141174997&doi=10.1111%2ftan.14849&partnerID=40&md5=577ac69a2750b7f84c1375c5d396a2a5
Identification of the novel HLA-DPA1*01:03:01:64 allele in an individual from Uttar Pradesh, India	Pinto A.S., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141182370&doi=10.1111%2ftan.14857&partnerID=40&md5=ce22bdd91f3083e09c80abcf4c4cebbf
Raman Spectroscopy Revealed Cell Passage-Dependent Distinct Biochemical Alterations in Radiation-Resistant Breast	Rauniyar S., Advanced Centre for Treatment, Research, and Education in Cancer, Tata Memorial Centre, Cancer Research I	Life Sciences	ACS Omega	2023	4	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147552459&doi=10.1021%2facsomega.2c06787&partnerID=40&md5=37c7668bef275ef994c066030f608e85
Multinational prospective cohort study of rates and risk factors for ventilator-associated pneumonia over 24 years in 4	Rosenthal V.D., Department of Public Health Sciences, University of Miami, Miller School of Medicine, Miami, FL, United S	Medical and Health Sciences	Antimicrobial Stewardship and Healthcare Epidemiology	2023	7	2732-494X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146171830&doi=10.1017%2fash.2022.339&partnerID=40&md5=1c266a3372a80c5de5a358f2a92e865f
Phase II trial of a novel chemotherapy regimen CVEP (cyclophosphamide, vinblastine, etoposide and prednisolone) fo	Sengar M., Department of Medical Oncology, Tata Memorial Centre, A CI of Homi Bhabha National Institute, Mumbai, Ind	Life Sciences; Medical and Health Scienc	British Journal of Haematology	2023	0	0007-1048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141420664&doi=10.1111%2fbjh.18532&partnerID=40&md5=897c980ccb4801278e603d115e1bc8a4
MR imaging-based risk stratification scoring system to predict clinical outcomes in carotid body tumors	Mahajan A., Department of Imaging, The Clatterbridge Cancer Centre NHS Foundation Trust, Liverpool, United Kingdom, F	Medical and Health Sciences	Frontiers in Oncology	2023	0	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184698826&doi=10.3389%2ffonc.2023.1200598&partnerID=40&md5=298bc04d2dfcf486e3ef48b202cb895b
Primary, Nonmidline, Extragonadal, Immature Teratoma of the Palm with Axillary Nodal Metastasis: A Rare Case Repo	Balachandran R.R., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177541170&doi=10.1055%2fs-0043-1776343&partnerID=40&md5=ef1dc06719734236d0ca4b6b47227a94
Low-Value Surgical Procedures in Low- and Middle-Income Countries A Systematic Scoping Review	Albarqouni L., Institute for Evidence-Based Healthcare, Faculty of Health Sciences and Medicine, Bond University, Gold Co	Medical and Health Sciences	JAMA Network Open	2023	4	2574-3805	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176312677&doi=10.1001%2fjamanetworkopen.2023.42215&partnerID=40&md5=76d4c2a223fd38bb4c80b8c4963fd4c5
Translation and validation of the revised American Pain Society Patient Outcome Questionnaire (APS-POQ-R) for evalu	Jhingan M.A.K., Medical Training Initiative Fellow, Department of Anaesthetics, Critical Care and Pain, Luton and Dunstabl	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	0	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149750557&doi=10.4103%2fija.ija_474_22&partnerID=40&md5=2fa762224f136de521738c06aa14e7ec
Patient-Related Awareness of Impact of Cancer-Directed Therapy on Fertility in Young Women Diagnosed of Breast Ca	Nair N.S., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Hospital, Maharashtra, Mumba	Engineering Sciences; Medical and Heal	South Asian Journal of Cancer	2023	0	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167815947&doi=10.1055%2fs-0043-1771385&partnerID=40&md5=5532ba71425eab177bc5488b14699ef0
Outcome and prognostic variables in childhood rhabdomyosarcoma (RMS) with emphasis on impact of FOXO1 fusions	Ramanathan S., Department of Paediatric Oncology, Great North Children's Hospital, Royal Victoria Infirmary, Newcastle-	Medical and Health Sciences	ecancermedicalscience	2023	1	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162179028&doi=10.3332%2fecancer.2023.1539&partnerID=40&md5=9e77ad21f46652265bb4bad08ca85bc3
Neoadjuvant chemotherapy in a rare type of very locally advanced sinonasal carcinomas – long-term results from a te	Saha S., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Maharashtra,	Medical and Health Sciences	ecancermedicalscience	2023	0	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162139404&doi=10.3332%2fecancer.2023.1549&partnerID=40&md5=a2cf4369cd38d71e0ddedbc236e915b2
Deep learning based automated epidermal growth factor receptor and anaplastic lymphoma kinase status prediction	Mahajan A., Clatterbridge Centre for Oncology NHS Foundation Trust, Liverpool, L7 8YA, United Kingdom, Department of	Medical and Health Sciences	Exploration of Targeted Anti-tumor Therapy	2023	2	2692-3114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173502013&doi=10.37349%2fetat.2023.00158&partnerID=40&md5=13325cb636b256a1d9af62acdc915349
Prevalence and factors associated with frailty among older Indian adults with cancer: A single-center cross-sectional a	Rao A.R., Department of Geriatric Medicine, All India Institute of Medical Sciences, New Delhi, India; Noronha V., Departm	Life Sciences; Medical and Health Scienc	Cancer Research, Statistics, and Treatment	2023	2	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173685568&doi=10.4103%2fcrst.crst_241_23&partnerID=40&md5=6a6cadf2763096878b18413a7638c8c0
Identification of EGFR mutations in type II papillary renal cell carcinoma	Jha P., Karkinos Healthcare Pvt Ltd, Maharashtra, Navi Mumbai, India; Trivedi V., Karkinos Healthcare Pvt Ltd, Maharashtr	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	0	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173632922&doi=10.4103%2fcrst.crst_211_23&partnerID=40&md5=c117d722255d11890b0ae7aff608f55d
Psycho-oncology/Supportive Care in Head-Neck Cancers Patients Undergoing Radiation Therapy: A Randomized Contr	Sinha S., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra, Mumb	Medical and Health Sciences	South Asian Journal of Cancer	2023	0	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167783005&doi=10.1055%2fs-0043-1771405&partnerID=40&md5=2953122925a23ab2911469e405f00760
High-grade sarcoma of the hyoid bone: An unusual case illustrating the challenges faced by the pathologist to arrive a	Gupta A., Department of Head Neck Surgical Oncology, Homi Bhabha National Institute, Tata Memorial Hospital, Maharas	Medical and Health Sciences	Journal of Head and Neck Physicians and Surgeons	2023	0	2347-8128	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164913966&doi=10.4103%2fjhnps.jhnps_84_22&partnerID=40&md5=6d63ab001f51dfc5031fb0ca15fe1741
Randomised controlled trials evaluating anticancer therapies in haematological cancers: an overview of global researc	Sengar M., Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, 400012, India; Hopman W.M., Department o	Medical and Health Sciences	ecancermedicalscience	2023	1	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162943951&doi=10.3332%2fecancer.2023.1558&partnerID=40&md5=36788fe65592afbfbd39a3c2f9dc9821
Developing Standard Treatment Workflows—way to universal healthcare in India	Grover A., Division of NCD, Indian Council of Medical Research, New Delhi, India; Bhargava B., Department of Cardio Neur	Life Sciences	Frontiers in Public Health	2023	1	2296-2565	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169652091&doi=10.3389%2ffpubh.2023.1178160&partnerID=40&md5=a587948ef03e30b1da3ae8b5b469b3da
Advanced Techniques in Head and Neck Cancer Imaging: Guide to Precision Cancer Management	Shah D., Senior Consultant Radiologist, Department of Radiodiagnosis, HCG Cancer Centre, Gujarat, Ahmedabad, 380060,	Medical and Health Sciences	Critical Reviews in Oncogenesis	2023	2	0893-9675	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172312698&doi=10.1615%2fCritRevOncog.2023047799&partnerID=40&md5=fdcc276d1546dca6203ec5c300a5348a
Outcomes and prognostic factors of patients with Extranodal NK T cell lymphoma (ENKTL)	Rajendra A., Department of Medical Oncology, Cancer Institute, W.I.A, Tamil Nadu, Chennai, India; Sengar M., Departmen	Medical and Health Sciences	Leukemia and Lymphoma	2023	0	1042-8194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168469167&doi=10.1080%2f10428194.2023.2244101&partnerID=40&md5=db83128ad8f9d43719a92921df2ddc40
Computerized tomography-based first order tumor texture features in non-small cell lung carcinoma treated with con	Nayak P., Departments of Radiation Oncology, Tata Memorial Centre, Mumbai, Maharashtra, Trombay, India, Homi Bhabh	Medical and Health Sciences	Journal of Cancer Research and Therapeutics	2023	3	0973-1482	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161941425&doi=10.4103%2fjcrt.jcrt_2317_21&partnerID=40&md5=2d38305032fadcd1d8d05b6dc0d38172
Deep proteome investigation of high-grade gliomas reveals heterogeneity driving differential metabolism of 5-aminol	Ghantasala S., Centre for Research in Nano Technology and Sciences, Indian Institute of Technology Bombay, Mumbai, Ind	Medical and Health Sciences	Neuro-Oncology Advances	2023	3	2632-2498	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164346194&doi=10.1093%2fnoajnl%2fvdad065&partnerID=40&md5=5696781b8f0071ce9bd67753590d52e7
Chameleon in the brain	Agarwal U., Department of Radiodiagnosis, Tata Memorial Hospital, Mumbai, Homi Bhabha National Institute, Maharasht	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	0	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173672529&doi=10.4103%2fcrst.crst_274_22&partnerID=40&md5=1aad057c2680746c9ec6a0c18dd96113
A retrospective observational study to evaluate the reliability of staging and risk stratification of adolescent and adult	Singh A.K., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, India; Eip	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	1	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160679699&doi=10.4103%2fcrst.crst_285_22&partnerID=40&md5=c1745f92bbd8e7c25de30d0d818387c8
Intraoperative Nerve Monitoring during Minimally Invasive Esophagectomy and 3-Field Lymphadenectomy: Safety, Ef	Gopinath S.K., Thoracic Surgical Services, Department of Surgical Oncology, Tata Memorial Hospital, Homi Bhabha Nationa	Medical and Health Sciences	Journal of Chest Surgery	2023	0	2765-1606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172205680&doi=10.5090%2fjcs.23.052&partnerID=40&md5=e56b86ca554da90bc2a829bd6d16696e
Mist nebulizer versus heated humidifier on endotracheal tube patency in spontaneously breathing intubated patients	Patil V., Department of Anesthesia, Critical Care and Pain, Tata Memorial Hospital, Maharashtra, Mumbai, India; Deb P., D	Medical and Health Sciences	Journal of Anaesthesiology Clinical Pharmacology	2023	0	0970-9185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165575441&doi=10.4103%2fjoacp.joacp_121_21&partnerID=40&md5=ba6aa8e74631055c7371208e557c46cc
Occupational exposure of vehicular emissions and cardiorespiratory risk among urban metropolitan bus drivers: A cro	Pagdhune A., Tata Memorial Centre (TMC), Advanced Centre for Treatment Research and Education in Cancer (ACTREC), M	Medical and Health Sciences	Work	2023	1	1051-9815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168222604&doi=10.3233%2fWOR-220189&partnerID=40&md5=a75ea4e110db78c5c49a5b11e438a331
A not-always-benign pleural tumor	Singh S., Department of Radiodiagnosis, Tata Memorial Center, Homi Bhabha National Institute (HBNI), Maharashtra, Mur	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	0	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160801548&doi=10.4103%2fcrst.crst_178_22&partnerID=40&md5=31894e18d001b38f7dc5661d6dbb1bda
Long-term outcomes and prognostic factors in elderly patients with breast cancer: single-institutional experience	Wadasadawala T., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharasht	Medical and Health Sciences	ecancermedicalscience	2023	1	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160695054&doi=10.3332%2fecancer.2023.1542&partnerID=40&md5=be477edcf0e8c1efb8d29af0827cc9c1
ABO blood group discrepancies in blood donor and patient samples at a tertiary care oncology centre: analysis and se	Desai P., Tata Memorial Centre, HBNI, Maharashtra, Mumbai, India; Navkudkar A., Tata Memorial Centre, HBNI, Maharash	Medical and Health Sciences	Hematology, Transfusion and Cell Therapy	2023	0	2531-1379	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170426383&doi=10.1016%2fj.htct.2023.07.011&partnerID=40&md5=d560a77baa2e19b0a65fdcdfacac94ee
Application of Rupantaran software to Sri Lankan hospitals: an innovative tool developed to merge population-based	Sawant P., Centre for Cancer Epidemiology, Tata Memorial Centre, Kharghar, Maharashtra, Navi Mumbai, 410210, India; F	Medical and Health Sciences	ecancermedicalscience	2023	0	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164686825&doi=10.3332%2fecancer.2023.1553&partnerID=40&md5=2a63d73c512bd7e622afa0b626f1f6b9
Financial toxicity of cancer treatment in India: towards closing the cancer care gap	Prinja S., Department of Community Medicine and School of Public Health, Post Graduate Institute of Medical Education a	Life Sciences	Frontiers in Public Health	2023	9	2296-2565	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163929268&doi=10.3389%2ffpubh.2023.1065737&partnerID=40&md5=401f66965c5b3ad32dc91c631167d185
Determining the impact of COVID.19 pandemic on adjuvant therapy for oral cancer . A matched.pair analysis	Singh A.G., Department of Head and Neck Oncology, Tata Memorial Centre and Hbni, Maharashtra, Mumbai, India; Sharin	Medical and Health Sciences	Indian Journal of Cancer	2023	0	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173941796&doi=10.4103%2fijc.IJC_186_21&partnerID=40&md5=9067d67693ada99e8bd467a0ded68510
Deep learning based clinico-radiological model for paediatric brain tumor detection and subtype prediction	Mahajan A., Clatterbridge Centre for Oncology NHS Foundation Trust, Liverpool, L7 8YA, United Kingdom; Burrewar M., De	Medical and Health Sciences	Exploration of Targeted Anti-tumor Therapy	2023	2	2692-3114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173475268&doi=10.37349%2fetat.2023.00159&partnerID=40&md5=967c3ed67f30b4f3d1ae9d8115eebbee
Erdafitinib for tumors with FGFR3 mutation: A promising targeted therapy	Kaur J., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Dr. E Borges Road, Par	Life Sciences; Medical and Health Scienc	Cancer Research, Statistics, and Treatment	2023	2	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167974186&doi=10.4103%2fcrst.crst_176_23&partnerID=40&md5=66b10df8f12caa7408cd428d4e3d6049
Validation of the hospital anxiety depression scale - Marathi version in detecting anxiety and depression in cancer pat	Deodhar J.K., Department of Palliative Medicine, Tata Memorial Hospital, Maharashtra, Mumbai, India, Psycho-oncology U	Medical and Health Sciences	Indian Journal of Cancer	2023	1	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173971411&doi=10.4103%2fijc.IJC_1321_20&partnerID=40&md5=9ad5aa2f3b0d0ba61e3393faa68ce9ab
Rare kidney tumor	Agarwal U., Department of Radiodiagnosis and Interventional Radiology, Tata Memorial Hospital, Homi Bhabha National I	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	0	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167981427&doi=10.4103%2fcrst.crst_275_22&partnerID=40&md5=d38c43c666e8893c9056d924af61e26f
A Proposal for Orocutaneous Fistula Grading Following Oral Cancer Surgery	Thiagarajan S., Department of Head and Neck Oncology, Tata Memorial Centre and HBNI, Mumbai, India; Chidambaranath	Medical and Health Sciences	Indian Journal of Surgical Oncology	2023	0	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162228729&doi=10.1007%2fs13193-023-01786-w&partnerID=40&md5=cabde7845d1470f94dba5cdbaa357dd5
Development and validation of deep learning and BERT models for classification of lung cancer radiology reports	Mithun S., Department of Radiation Oncology (Maastro), GROW School for Oncology and Reproduction, Maastricht Unive	Medical and Health Sciences	Informatics in Medicine Unlocked	2023	5	2352-9148	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161650201&doi=10.1016%2fj.imu.2023.101294&partnerID=40&md5=150ae2bb113c1c5c383d54b9e9e17cc9
Second stem cell transplantation for treatment of relapsed/ refractory multiple myeloma after first autologous stem c	Yadav N., Department of Hematology and Bmt Unit, Rajiv Gandhi Cancer Institute and Research Centre, Sector 5, Rohini, D	Medical and Health Sciences	Indian Journal of Cancer	2023	0	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173939541&doi=10.4103%2fijc.IJC_272_21&partnerID=40&md5=0bd1931884891710f4ec680eaa0e3c4e
Effectiveness of a Decision Aid Plus Standard Care in Surgical Management Among Patients With Early Breast Cancer A	Joshi S., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India, Homi B	Life Sciences; Medical and Health Scienc	JAMA Network Open	2023	0	2574-3805	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172991233&doi=10.1001%2fjamanetworkopen.2023.35941&partnerID=40&md5=dc75a71b955305445c85e01112f23550
Cancer incidence estimates in adults aged 60 years and older living in low-and-middle-income countries for the years	Pilleron S., Department of Precision Health, Ageing, Cancer, and Disparities Research Unit, Luxembourg Institute of Health	Medical and Health Sciences	ecancermedicalscience	2023	7	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161670385&doi=10.3332%2fecancer.2023.1594&partnerID=40&md5=6de096c2db08a353baae5d320bae2ca2
SMAD4: A case-based review of the literature and current treatment options	Shah M., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Dr. E Borges Road, P	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	2	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160657912&doi=10.4103%2fcrst.crst_6_23&partnerID=40&md5=5555fc72c6c864bdecad66debb6dc985
Clinico-radiological profile, management and follow-up of methotrexate induced neurotoxicity in children with acute l	Dhariwal N., Division of Pediatric Oncology, Department of Medical Oncology, Tata Memorial Hospital, Mumbai, India, Ho	Medical and Health Sciences	Leukemia and Lymphoma	2023	3	1042-8194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167781944&doi=10.1080%2f10428194.2023.2245093&partnerID=40&md5=2eae5f4858a27e0d06e4e6d0f26ccdb5
Uptake of vaccination in older Indian patients with cancer: A cross-sectional observational study	Sabu T.M., Department of Medical Oncology, Tata Memorial Hospital, Parel, Mumbai, Homi Bhabha National Institute, Ma	Life Sciences; Medical and Health Scienc	Cancer Research, Statistics, and Treatment	2023	3	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160661463&doi=10.4103%2fcrst.crst_29_23&partnerID=40&md5=3507a0bed13da0f3e4d4f57f575e3aec
Deciphering the mechanisms of action of progesterone in breast cancer	Chakravorty G., Integrated Cancer Genomics Laboratory, Advanced Centre for Treatment, Research and Education in Canc	Life Sciences; Medical and Health Scienc	Oncotarget	2023	2	1949-2553	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164210047&doi=10.18632%2fONCOTARGET.28455&partnerID=40&md5=d6b4f5c4eb604f49aaebf8df8ba3a509
Parents' experiences with prognosis communication in advanced pediatric cancers	Ghoshal A., Department of Palliative Medicine, Tata Memorial Hospital, Homi Bhaba National Institute, Mumbai, India; M	Medical and Health Sciences	Progress in Palliative Care	2023	2	0969-9260	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145480030&doi=10.1080%2f09699260.2022.2152169&partnerID=40&md5=303bb7f57d4ac138d07844c64d781675
Epithelioid trophoblastic tumor: A case series	Dash S., Department of Pathology, Tata Memorial Centre, Tata Memorial Hospital, Annexe Building, 8thFloor, Dr. E Borges	Medical and Health Sciences	Indian Journal of Pathology and Microbiology	2023	0	0377-4929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147045022&doi=10.4103%2fijpm.ijpm_212_22&partnerID=40&md5=9e4157e9ad6824f9f1fe503ffba86df0
Health-Related Quality of Life (HRQoL) Using EQ-5D-5L: Value Set Derived for Indian Breast Cancer Cohort	Wadasadawala T., Advanced Center for Treatment Research and Education in Cancer, Tata Memorial Center, Homi Bhabh	Life Sciences; Medical and Health Scienc	Asian Pacific Journal of Cancer Prevention	2023	4	1513-7368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158123097&doi=10.31557%2fAPJCP.2023.24.4.1199&partnerID=40&md5=da480c462a25d1011a3dcba7fc0a25d6
A rare case of plasmablastic lymphoma of the ovary with synchronous lung malignancy	Kale S., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Hospital, Maharashtra, Mumbai, India; Sh	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2023	0	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150182614&doi=10.4103%2fijnm.ijnm_76_22&partnerID=40&md5=0821b2bed2fb09c4f9761355213b5b51
Comparison of Outcomes of Donor Lymphocyte Infusions With or Without Lenalidomide in Patients with Hematologic	Punatar S., Stem Cell Transplantation Unit, Department of Medical Oncology, Advanced Centre for Treatment, Research a	Medical and Health Sciences	Indian Journal of Hematology and Blood Transfusion	2023	1	0971-4502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134611970&doi=10.1007%2fs12288-022-01545-x&partnerID=40&md5=3cd1149d60229eb898fc52c401e80379
Validation of Remote Digital Pathology based diagnostic reporting of Frozen Sections from home	Kaushal R.K., Department of Pathology, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, India; Yadav S.	Medical and Health Sciences	Journal of Pathology Informatics	2023	2	2229-5089	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156270867&doi=10.1016%2fj.jpi.2023.100312&partnerID=40&md5=73ca928ba5f1c1e0580c3a184100d0c1
Barriers in access to oncology drugs — a global crisis	Barrios C., Grupo Oncoclínicas de Pesquisa em Oncologia, Hospital São Lucas, PUCRS, Porto Alegre, Brazil, Latin American (	Medical and Health Sciences	Nature Reviews Clinical Oncology	2023	26	1759-4774	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141967886&doi=10.1038%2fs41571-022-00700-7&partnerID=40&md5=08bf4be171906cce4a38938ffabd4736
A novel nurse-coordinated home care model for palliative care in advanced cancer: A pilot interventional study from s	Ghoshal A., Department of Palliative Medicine, Tata Memorial Centre, Homi Bhaba National Institute, Mumbai, India; Dan	Medical and Health Sciences	Progress in Palliative Care	2023	0	0969-9260	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132349347&doi=10.1080%2f09699260.2022.2081440&partnerID=40&md5=f557d623f45cf57f63239a6b68b9b14b

Fine needle aspiration cytology of a superficial CD34-positive fibroblastic tumour, including differential diagnoses and	Rekhi B., Department of Pathology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI) University Mumbai, M	Medical and Health Sciences	Cytopathology	2023	2	0956-5507	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139429425&doi=10.1111%2fcyt.13181&partnerID=40&md5=cd60f09f00a013b07a7a2535930e9dc3
Recent advances in airway management	Myatra S.N., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha National Institu	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	1	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147997522&doi=10.4103%2fija.ija_26_23&partnerID=40&md5=036d269e12820ed6a73d07960a7f6749
Identification of the novel HLA-DQB1*06:01:01:04 allele in an individual from Western India	Pinto A.S., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138360175&doi=10.1111%2ftan.14809&partnerID=40&md5=73bffb9243cb5e2a532d03e92a76020c
EUS-guided biliary drainage in patients with moderate–severe cholangitis is safe and effective: a multi-center experier	Samanta J., Department of Gastroenterology, Post Graduate Institute of Medical Education and Research, Sector -12, Cha	Medical and Health Sciences	Surgical Endoscopy	2023	6	0930-2794	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135584797&doi=10.1007%2fs00464-022-09495-1&partnerID=40&md5=12f905344f9eb686c8bc9405d9a3e7d6
Frequency of HLA alleles and KIR Ligands in Acute Myeloid Leukemia in Indian Cohort	D’Silva S.Z., Scientific Officer “E”, Transplant Immunology and Immunogenetics Laboratory, Advanced Centre for Treatmen	Medical and Health Sciences	Indian Journal of Hematology and Blood Transfusion	2023	0	0971-4502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137445001&doi=10.1007%2fs12288-022-01550-0&partnerID=40&md5=1b63a9e8c7f372485cbfdec72c5b648d
Management of testicular tumours in patients with undescended testes—a challenging but rewarding task: experienc	Tongaonkar A., Department of Medical Oncology, Tata Memorial Centre, Homi Bhabha National University (HBNI), Mumb	Medical and Health Sciences	ecancermedicalscience	2023	0	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153200475&doi=10.3332%2fECANCER.2023.1521&partnerID=40&md5=518938fc5d379dfe01a9f83485246383
Outcomes of elective cancer surgery in COVID-19 survivors: An observational study	Ranganathan P., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Center, Homi Bhabha National Ins	Medical and Health Sciences	Journal of Surgical Oncology	2023	6	0022-4790	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138172494&doi=10.1002%2fjso.27095&partnerID=40&md5=471c24e664970813ee98953354adbdd7
Functional outcomes after robotic or laparoscopic intersphincteric resection – An inverse probability weighting analys	Kazi M., Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, 400012, India, Homi Bhabha National Institut	Medical and Health Sciences	European Journal of Surgical Oncology	2023	7	0748-7983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134260946&doi=10.1016%2fj.ejso.2022.07.009&partnerID=40&md5=a19d1767e7bb28c4081a574dc4d88bc5
Concurrent chemotherapy and radiotherapy in adjuvant treatment of breast cancer (CONCERT): a phase 2 study	Wadasadawala T., Department of Radiation Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai,	Life Sciences; Medical and Health Scienc	ecancermedicalscience	2023	0	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151855722&doi=10.3332%2fecancer.2023.1510&partnerID=40&md5=88d821570e1c91a2ed4139bf0c768175
Demonstration of multiple metastatic sites by positron emission tomography/computed tomography in a rare case of	Kale S., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Hospital, Maharashtra, Mumbai, India; P	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2023	0	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150209157&doi=10.4103%2fijnm.ijnm_92_22&partnerID=40&md5=5247be2c7b09edc7c8ee14bdc142eeaa
Killer cell immunoglobulin-like receptor (KIR) gene contents: Are they associated with cervical cancer?	Tembhurne A.K., ICMR-National Institute for Research in Reproductive Health, Parel, Mumbai, India; Maheshwari A., Tata	Medical and Health Sciences	Journal of Medical Virology	2023	2	0146-6615	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130731253&doi=10.1002%2fjmv.27873&partnerID=40&md5=2570c0d153d5ff8e0424ee0ec59b2c02
The novel HLA-B*52:01:01:23 allele in an individual from Uttar Pradesh, North India	D'Silva S.Z., Transplant Immunology and Immunogenetics Laboratory, CCE, Advanced Centre for Treatment, Education and	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138417341&doi=10.1111%2ftan.14812&partnerID=40&md5=bd67cb7b406552da4c7adf55dd814ccf
A Rare Case of A Low-Grade Inflammatory Leiomyosarcoma/Histiocyte-Rich Rhabdomyoblastic Tumor in the Neck of A	Rekhi B., Department of Pathology, Tata Memorial Hospital, MUMBAI, India, Homi Bhabha National Institute (HBNI) Unive	Life Sciences; Medical and Health Scienc	Turk Patoloji Dergisi	2023	1	1018-5615	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159761831&doi=10.5146%2ftjpath.2022.01577&partnerID=40&md5=61d7e3b2624295e70d1a3ad9172258b2
Handling missingness value on jointly measured time-course and time-to-event data	Vishwakarma G.K., Department of Mathematics & Computing, Indian Institute of Technology Dhanbad, Dhanbad, India; B	Medical and Health Sciences	Communications in Statistics: Simulation and Computation	2023	1	0361-0918	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097393196&doi=10.1080%2f03610918.2020.1851711&partnerID=40&md5=15c59873bd408a792c8068131774f421
Demographics, Pattern of Care & Outcomes of Primary CNS Lymphoma- Experience from a Tertiary Care Cancer Cente	Das S., Department of Medical Oncology, Tata Memorial Centre, Maharashtra, Mumbai, India, Homi Bhabha National Inst	Medical and Health Sciences	Indian Journal of Hematology and Blood Transfusion	2023	1	0971-4502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137510925&doi=10.1007%2fs12288-022-01557-7&partnerID=40&md5=8e75a377984953e89ee243eaf9947334
Identification of the novel allele, HLA-A*02:11:01:06, in two North Indian individuals in a Kshatriya family	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140098173&doi=10.1111%2ftan.14814&partnerID=40&md5=8540ba130b4c9ccb5a28d774ef8149aa
Inkk Trial .Çô Intraoperative ketamine for perioperative pain management following total knee endoprosthetic replac	Paulin V.S., Tata Memorial Hospital and Homi Bhabha National Institute, Department of Anaesthesia, Critical Care and Pai	Medical and Health Sciences	Brazilian Journal of Anesthesiology (English Edition)	2023	1	0104-0014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121012933&doi=10.1016%2fj.bjane.2021.07.014&partnerID=40&md5=54de80af1a303b7528ef17f28c690748
An absolute approach to using whole exome DNA and RNA workflow for cancer biomarker testing	Malhotra R., 4baseCare Onco Solutions Pvt. Ltd, Bangalore, India; Javle V., 4baseCare Onco Solutions Pvt. Ltd, Bangalore, I	Medical and Health Sciences	Frontiers in Oncology	2023	0	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150860573&doi=10.3389%2ffonc.2023.1002792&partnerID=40&md5=0213cb2e232e98c86dd94e2ec823a752
Substrate stiffness regulates the recurrent glioblastoma cell morphology and aggressiveness: Recurrent GBM have dif	Acharekar A., Shilpee Dutt laboratory, Tata Memorial Centre, Advanced Centre for Treatment, Research and Education in	Life Sciences	Matrix Biology	2023	8	0945-053X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144870940&doi=10.1016%2fj.matbio.2022.12.002&partnerID=40&md5=c2b40f17c9645ffbf020c34de4408a0d
ER exit sites (ERES) and ER–mitochondria encounter structures (ERMES) often localize proximally	Chakraborty N., Department of Cell and Tumor Biology, Advanced Centre for Treatment Research & Education in Cancer (A	Life Sciences	FEBS Letters	2023	0	0014-5793	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140243514&doi=10.1002%2f1873-3468.14497&partnerID=40&md5=866c4b2774341eef19358764431ea302
Multinational prospective cohort study of incidence and risk factors for central line-associated bloodstream infections	Rosenthal V.D., Department of Public Health Sciences, University of Miami Miller School of Medicine, Miami, FL, United St	Medical and Health Sciences	Journal of Vascular Access	2023	6	1129-7298	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158848180&doi=10.1177%2f11297298231169542&partnerID=40&md5=31d0dc0e8af87e7c4c6f60cf5182a928
Characterization of the novel HLA allele, HLA-C*07:04:01:19, in an individual from Maharashtra, India	Parsaniya B.S., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, I	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139093389&doi=10.1111%2ftan.14825&partnerID=40&md5=1f2765c380d4f2153684f6bd856e7dab
Serum Raman spectroscopy in experimental carcinogenesis hamster buccal pouch model: Exploring early diagnostic c	Jadhav P.A., Advanced Centre for Treatment Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, Indi	Life Sciences	Journal of Raman Spectroscopy	2023	1	0377-0486	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138734692&doi=10.1002%2fjrs.6450&partnerID=40&md5=ac2cb97d7e21d16067561672226681f0
Clinical Profile, Practice Pattern, and Outcomes With First-Line Therapy in ALK-Positive Lung Cancer: Real-World Data	Kapoor A., Department of Medical Oncology, Mahamana Pandit Madan Mohan Malviya Cancer Center and Homi Bhabha (	Medical and Health Sciences	JTO Clinical and Research Reports	2023	2	2666-3643	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146060143&doi=10.1016%2fj.jtocrr.2022.100443&partnerID=40&md5=3adc92d51584c41bb89fca2c0c7a810d
Institutional Patterns of Care of Diffuse Intrinsic Pontine Glioma	Krishnatry R., Department of Radiation Oncology, Tata Memorial Centre (TMH/ACTREC), Homi Bhabha National Institute (	Medical and Health Sciences	Neurology India	2023	1	0028-3886	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149428284&doi=10.4103%2f0028-3886.370459&partnerID=40&md5=9c3eb93e26e7075b1937242295ab7d87
In silico structural analysis of secretory clusterin to assess pathogenicity of mutations identified in the evolutionarily	Das L., Advanced Centre for Treatment, Research and Education in Cancer, Navi Mumbai, India, Homi Bhabha National Ins	Life Sciences; Medical and Health Scienc	Journal of Biomolecular Structure and Dynamics	2023	7	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120780938&doi=10.1080%2f07391102.2021.2007791&partnerID=40&md5=9bf4944bfb310be5c6ec744242cdecbe
National Cancer Grid Virtual Tumor Boards of Head and Neck Cancers: An Innovative Approach to Multidisciplinary Ca	Thiagarajan S., Department of Head and Neck Oncology, Tata Memorial Centre and Homi Bhabha National Institute (HBNI	Medical and Health Sciences	JCO global oncology	2023	7	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147092518&doi=10.1200%2fGO.22.00348&partnerID=40&md5=f62529691219c40c99cff1dbe8b18050
Combined fascial plane blocks as the sole regional anesthesia technique for breast surgery in high-risk patients	Thota R.S., Department of Anaesthesiology Critical Care and Pain, Homi Bhabha National Institute, Tata Memorial Centre,	Medical and Health Sciences	Journal of Anaesthesiology Clinical Pharmacology	2023	2	0970-9185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148031164&doi=10.4103%2fjoacp.joacp_265_21&partnerID=40&md5=1d2bae0b7c328237282baa1a73208db6
Histoplasmosis of the Head and Neck Region Mimicking Malignancy: A Clinic-Pathological Predicament	Mittal N., Department of Pathology, Tata Memorial Center, MUMBAI, India, Homi Bhabha National Institute, MUMBAI, In	Medical and Health Sciences	Turk Patoloji Dergisi	2023	1	1018-5615	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159771488&doi=10.5146%2ftjpath.2022.01585&partnerID=40&md5=7456139a4d7ab4fdd48cb749c3b062c5
In silico and structure-based assessment to classify VUS identified in the α-helical domain of BRCA2	Khan M.A., Tata Memorial Centre, Advanced Centre for Treatment, Research and Education in Cancer, Maharashtra, Navi	Life Sciences	Journal of Biomolecular Structure and Dynamics	2023	2	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142425330&doi=10.1080%2f07391102.2022.2148127&partnerID=40&md5=752ad8fddc001e27c885889df58a9596
Modified FOLFIRINOX compared to Gemcitabine & nab-Paclitaxel in advanced pancreatic ductal adenocarcinoma - Re	Ramaswamy A., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Maharashtra,	Medical and Health Sciences	Indian Journal of Medical Research	2023	2	0971-5916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152244549&doi=10.4103%2fijmr.ijmr_980_21&partnerID=40&md5=677bd464255e5c3be30bb1fcf216d184
Multiparametric Magnetic Resonance Imaging Correlates of Isocitrate Dehydrogenase Mutation in WHO high-Grade A	Sahu A., Neuro-Oncology Disease Management Group, Tata Memorial Centre, Mumbai, 400012, India, Department of Rad	Medical and Health Sciences	Journal of Personalized Medicine	2023	2	2075-4426	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146643289&doi=10.3390%2fjpm13010072&partnerID=40&md5=f85ac44180a85c19f240ec004038ebb3
Can knowledge based treatment planning of VMAT for post-mastectomy locoregional radiotherapy involving internal	Phurailatpam R., Department of Radiation Oncology, Advanced Centre for Treatment, Research and Education in Cancer (A	Medical and Health Sciences	Frontiers in Oncology	2023	0	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158114994&doi=10.3389%2ffonc.2023.991952&partnerID=40&md5=c4fef39453e79fe3a2f89c397a44002b
Analysis of image quality by regulating beta function of BSREM reconstruction algorithm and comparison with conven	Dwivedi P., Advanced Centre for Treatment Research & Education in Cancer, Tata Memorial Centre, Navi Mumbai, India, H	Medical and Health Sciences	Nuclear Medicine Communications	2023	1	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144257537&doi=10.1097%2fMNM.0000000000001631&partnerID=40&md5=adaad55f3a95d083d0767d9a6b8e3a86
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Role of Peri-operative Chemotherapy in Stage II (pT2N0) Gallbladder Cancers	Kunte A., GI & HPB Services, Department of Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, 1	Medical and Health Sciences	Journal of Gastrointestinal Surgery	2023	2	1091-255X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140481934&doi=10.1007%2fs11605-022-05495-7&partnerID=40&md5=4b85dedac10e637f51d80714668b826b
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Identification of the novel allele, HLA-C*06:02:38:02, in a Gujarati individual from India	D'Silva S.Z., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, Indi	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141984988&doi=10.1111%2ftan.14813&partnerID=40&md5=ac8df23086c70b60479373be694f3486
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Multimodality liver directed treatment for colorectal liver metastasis: Array of complementary options can improve o	Patkar S., GI and HPB Services, Department of Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute	Medical and Health Sciences	Frontiers in Oncology	2023	1	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152590296&doi=10.3389%2ffonc.2023.1073311&partnerID=40&md5=c9a3da0d9e65557050914d0eb10fec58
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Palliative care needs assessment in patients with metastatic and locally advanced oesophageal cancer	Jayaseelan P., Department of Palliative Medicine, Tata Memorial Hospital, Mumbai, India, Homi Bhabha National Institute	Medical and Health Sciences	Progress in Palliative Care	2023	0	0969-9260	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145421624&doi=10.1080%2f09699260.2022.2158287&partnerID=40&md5=5883ea1fff706fa18ef43147120b103b
A pro-oxidant combination of resveratrol and copper reduces chemotherapy-related non-haematological toxicities in	Ostwal V., Department of Medical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Rama	Life Sciences; Medical and Health Scienc	Medical Oncology	2023	10	1357-0560	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141715040&doi=10.1007%2fs12032-022-01862-1&partnerID=40&md5=03fb0cba60ae1b05ef8d307431bb4c60
Identification of HLA-C*03:599 novel allele variant in two South Indian individuals in a Brahmin family	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, India	Medical and Health Sciences	HLA	2023	2	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140064047&doi=10.1111%2ftan.14815&partnerID=40&md5=3e5b11b04ce68a121979d91ea25a3d3a
WNT-pathway medulloblastoma: what constitutes low-risk and how low can one go?	Mani S., Department of Radiation Oncology, ACTREC/TMH, Tata Memorial Centre, Homi Bhabha National Institute (HBNI),	Medical and Health Sciences	Oncotarget	2023	5	1949-2553	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147720510&doi=10.18632%2foncotarget.28360&partnerID=40&md5=bd578c093ccc941686e3ff9b84a366b0
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Development and performance studies of a real size Resistive Plate Chamber tested at GIF＋＋, CERN for CBM-MuCh	Ganai R., Department of Physics, University of Calcutta, 92, Acharya Prafulla Chandra Rd, West Bengal, Kolkata, India; Aha	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162950009&doi=10.1016%2fj.nima.2023.168384&partnerID=40&md5=52121e64cf891de9b50071d793708e09
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Preparation of enriched Boron (11B, 10B) targets using sedimentation method on polymer backing	Mondal Saha R., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India; Banerjee K., Variable Energy	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	0	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172294156&doi=10.1016%2fj.nima.2023.168706&partnerID=40&md5=f9f11d32be9d04c43a35fd048e3de9d3
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Implementation of FPGA based real-time digital DAQ for high resolution, and high count rate nuclear spectroscopy ap	Kumar Paul R., Variable Energy Cyclotron Centre, 1/AF-Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Institu	Engineering Sciences; Physical Sciences	Journal of Instrumentation	2023	1	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166219143&doi=10.1088%2f1748-0221%2f18%2f07%2fP07042&partnerID=40&md5=c7de73d67a253b2165b553a99cd45773
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Effect of various particlization scenarios on anisotropic flow and particle production using UrQMD hybrid model	Kundu S.K., Department of Physics, School of Basic Sciences, Indian Institute of Technology Indore, Indore, 453552, India;	Physical Sciences	Nuclear Physics A	2023	0	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142374706&doi=10.1016%2fj.nuclphysa.2022.122574&partnerID=40&md5=3f16c1fa14ac8f55e5b2a5b3f1e3abf0
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Coexistence of single-particle and collective excitation in Ni 61	Bhattacharya S., Department of Physics, Florida State University, Tallahassee, 32306, FL, United States; Tripathi V., Depart	Physical Sciences	Physical Review C	2023	2	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161337025&doi=10.1103%2fPhysRevC.107.054311&partnerID=40&md5=4fd613ea7c5c0ec15a80f6ee90c0a104
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Development of a water-based cooling system for the Muon Chamber detector system of the CBM experiment	Kundu S.K., Department of Physics, School of Basic Sciences, Indian Institute of Technology Indore, Indore, 453552, India;	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section A: Accelera	2023	1	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148331173&doi=10.1016%2fj.nima.2023.168143&partnerID=40&md5=f53e6850101b1c44230b66e57ad219cf
Improvement in phase-sensitivity of a Mach–Zehnder interferometer with the superposition of Schrödinger’s cat-like	Shukla G., Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India; Mishra K.M., De	Engineering Sciences	Optical and Quantum Electronics	2023	3	0306-8919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152522345&doi=10.1007%2fs11082-023-04724-w&partnerID=40&md5=8216dd1e815b065a846b5176a5469e16
Quantum coherence controls the nature of equilibration and thermalization in coupled chaotic systems	Pulikkottil J.J., Department of Physics and Astronomy, Washington State University, Pullman, 99164-2814, WA, United Sta	Physical Sciences	Physical Review E	2023	5	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148333528&doi=10.1103%2fPhysRevE.107.024124&partnerID=40&md5=a2a2d62f0c81c5aae60716a27325bd11

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Production and anisotropic flow of thermal photons in collisions of α -clustered carbon with heavy nuclei at relativisti	Dasgupta P., Key Laboratory of Nuclear Physics and Ion-beam Application (MOE), Institute of Modern Physics, Fudan Univ	Physical Sciences	Physical Review C	2023	3	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158868487&doi=10.1103%2fPhysRevC.107.044908&partnerID=40&md5=79cea521dc8477d7e9104430d42af90a
Statistical approach of nuclear multifragmentation with a realistic nuclear equation of state	Mallik S., Physics Group, Variable Energy Cyclotron Centre, 1/AF Bidhan Nagar, Kolkata, 700064, India, Homi Bhabha Natio	Physical Sciences	Physical Review C	2023	0	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161347908&doi=10.1103%2fPhysRevC.107.054605&partnerID=40&md5=8c9f30caf64f19d8a6be832cc0cabb21
Speed of sound in hybrid stars and the role of bag pressure in the emergence of special points on the M-R variation of	Pal S., Physics Group, Variable Energy Cyclotron Centre, 1/AF Bidhan Nagar, Kolkata, 700064, India, Homi Bhabha National	Engineering Sciences	Physical Review D	2023	8	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151275048&doi=10.1103%2fPhysRevD.107.063019&partnerID=40&md5=213ed55e9567270ad1c2185b726e6253
Development and performance evaluation of a conduction-cooled warm bore HTS steering magnet	Bhunia U., Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata, 700064, India; Agrawal A., Variable Energy Cycl	Physical Sciences	Physica C: Superconductivity and its Applications	2023	1	0921-4534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143730634&doi=10.1016%2fj.physc.2022.1354191&partnerID=40&md5=18ff6d8233df499f220c5fbbd404ef40
Effects of the QCD critical point on the spectra and flow coefficients of hadrons	Singh S.K., Variable Energy Cyclotron Centre, Training School Complex, 1/AF, Bidhan Nagar, Kolkata, India and HBNI, Anus	Physical Sciences	Physical Review D	2023	1	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158912415&doi=10.1103%2fPhysRevD.107.074042&partnerID=40&md5=05013e206456428907532742fc5b58b3
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"Exploring tin oxide based materials: A critical review on synthesis, characterizations and supercapacitive energy stor	Kedara Shivasharma T., Nano Materials and Device Laboratory, Department of Physics, Visvesvaraya National Institute of	Chemical Sciences	Chemical Engineering Journal	2023	6	1385-8947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177764299&doi=10.1016%2fj.cej.2023.147191&partnerID=40&md5=154cb57dc671bdadb1f8520ce98be62c
A practical evaluation on integrated role of biochar and nanomaterials in soil remediation processes	Rajput V.D., Academy of Biology and Biotechnology, Southern Federal University, Rostov-on-Don, 344006, Russian Federa	Life Sciences	Environmental Geochemistry and Health	2023	10	0269-4042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137497690&doi=10.1007%2fs10653-022-01375-w&partnerID=40&md5=5866ff55d722c5e35b7910977bfe4ea9
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Silver impregnated novel adsorbents for capture of elemental Mercury: A review	Shukla P., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400094, India, Alkali Material & Metal Division, Bha	Engineering Sciences	Environmental Nanotechnology, Monitoring and Management	2023	3	2215-1532	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154592324&doi=10.1016%2fj.enmm.2023.100825&partnerID=40&md5=54dfa9aa52418e1fb7f40b91a998e4a7
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Investigation of Giant Cell Tumor of Bone and Tissue Engineering Approaches for the Treatment of Giant Cell Tumor o	Anandan D., Centre for Biomaterials, Cellular and Molecular Theranostics (CBCMT), Vellore Institute of Technology (VIT), T	Life Sciences	ACS Applied Bio Materials	2023	0	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173151667&doi=10.1021%2facsabm.3c00441&partnerID=40&md5=e6c8c6a3dcc5d8e38b30e8b5f3362d98
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Molecular precursor approach to develop catalytically relevant nanosized metals, palladium chalcogenides and ternar	Kedarnath G., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Homi Bhabha Natio	Chemical Sciences	New Journal of Chemistry	2023	1	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176276450&doi=10.1039%2fd3nj03165a&partnerID=40&md5=cd76ab206080e4cf17344c07b37181b6
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Interstellar Carbonaceous Dust and Its Formation Pathways: From an Experimental Astrochemistry Perspective	Roy A., Physical Research Laboratory, Ahmedabad, India, Indian Institute of Technology-Gandhinagar, Gandhinagar, India;	Physical Sciences	Journal of the Indian Institute of Science	2023	0	0970-4140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161629835&doi=10.1007%2fs41745-023-00393-6&partnerID=40&md5=ef9e1fc3aa4cc4457f86997de15900e3
Somatostatin Receptor Targeted PET-CT and Its Role in the Management and Theranostics of Gastroenteropancreatic	Adnan A., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Centre Annexe, JerbaiWadia Road,	Medical and Health Sciences	Diagnostics	2023	4	2075-4418	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164685914&doi=10.3390%2fdiagnostics13132154&partnerID=40&md5=5d53d5637f881631256bc8dd613e50d3
Functional nanostructures in analytical chemistry: new insights into the optical and electrochemical sensing of animal	Raval J.B., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, Gujarat, Surat, 395007, India; M	Chemical Sciences	Sensors and Diagnostics	2023	6	2635-0998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165389714&doi=10.1039%2fd3sd00071k&partnerID=40&md5=0c241f9ac37e2bd7386d5644218b8e6d
Multifunctional ZnO nanostructures: a next generation nanomedicine for cancer therapy, targeted drug delivery, bioir	Gupta J., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Hassan P.A., Chemistry D	Chemical Sciences	Nanotechnology	2023	6	0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158060451&doi=10.1088%2f1361-6528%2faccc35&partnerID=40&md5=83f629efb0b2bef69694903cb4737ddb
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Perspectives of different colour-emissive nanomaterials in fluorescent ink, LEDs, cell imaging, and sensing of various a	Atulbhai S.V., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, Gujarat, Surat, India; Singhal	Chemical Sciences	Luminescence	2023	13	1522-7235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130488992&doi=10.1002%2fbio.4272&partnerID=40&md5=546eea936087ed0affcf04e68eb63c5a
Alternative vehicular fuels for environmental decarbonization: A critical review of challenges in using electricity, hydr	Sandaka B.P., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Maharashtra, TrombayMu	Life Sciences	Chemical Engineering Journal Advances	2023	51	2666-8211	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146253250&doi=10.1016%2fj.ceja.2022.100442&partnerID=40&md5=05c3e8736e0c1596b8eee404af4ec70c
Ekavimsati patrani (21 leaves) used during Vinayaka Chaviti festival in India: medicinal, environmental and cultural im	Kora A.J., National Centre for Compositional Characterisation of Materials (NCCCM), Bhabha Atomic Research Centre (BAR	Life Sciences	Advances in Traditional Medicine	2023	0	2662-4052	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110859736&doi=10.1007%2fs13596-021-00597-0&partnerID=40&md5=79a05b52e352104299d23814f0fe5e8e
Pyrethroid pesticides: An overview on classification, toxicological assessment and monitoring	Ahamad A., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Maharashtra, Mu	Life Sciences	Journal of Hazardous Materials Advances	2023	31	2772-4166	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163034775&doi=10.1016%2fj.hazadv.2023.100284&partnerID=40&md5=22d9ff074863d2502665c28d5f1512b4
Imaging Recommendations for Diagnosis, Staging, and Management of Carcinoma of Unknown Origin (Lymph Node, F	Loharkar S., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Parel, Maharas	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159146507&doi=10.1055%2fs-0042-1760311&partnerID=40&md5=f857699646c4d04b186a83a5ff80ecb8
Imaging Recommendations for Theranostic PET-CT in Oncology	Parghane R.V., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Maharashtra	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160436103&doi=10.1055%2fs-0042-1760310&partnerID=40&md5=caa28334a78160e62373cdba453af225
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Glutamate receptor like channels: Emerging players in calcium mediated signaling in plants	Ahmed I., Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, Dhaula Kuan, Ne	Life Sciences	International Journal of Biological Macromolecules	2023	4	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150355362&doi=10.1016%2fj.ijbiomac.2023.123522&partnerID=40&md5=24ebe161db3b453ef8c2ca50445be385
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Modulation of surfactant self-assembly in deep eutectic solvents and its relevance to drug delivery-A review	Basu M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Tr	Chemical Sciences	Journal of Molecular Liquids	2023	18	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147253015&doi=10.1016%2fj.molliq.2023.121301&partnerID=40&md5=bf2cdee74987ef137c8cc154cfcfcf82
In-situ construction of hierarchical 2D MoS2/1D Te hybrid for supercapacitor applications	Radhakrishnan S., Centre for Nano and Material Sciences, Jain (Deemed-to-be University), Jain Global Campus, Ramanaga	Physical Sciences	Journal of Energy Storage	2023	11	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147190579&doi=10.1016%2fj.est.2023.106703&partnerID=40&md5=9060e43e51854a4641e020c37cc0946e
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India’s Participation Toward Timescale from Ancient Time to the Current Date: Nimesha to Universal Coordinated Tim	Thorat P.P., CSIR-National Physical Laboratory, New Delhi, India, Thapar Institute of Engineering & Technology, Patiala, Ind	Physical Sciences	Mapan - Journal of Metrology Society of India	2023	0	0970-3950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133267802&doi=10.1007%2fs12647-022-00566-1&partnerID=40&md5=f8ed1d6ef6ecf011c8006c96c6fde902
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Conventional and new-breeding technologies for improving disease resistance in lentil (Lens culinaris Medik)	Roy A., Department of Genetics and Plant Breeding, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, Mohanpur, India	Life Sciences	Frontiers in Plant Science	2023	6	1664-462X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147371642&doi=10.3389%2ffpls.2022.1001682&partnerID=40&md5=df124209bce1636d5d8db02fbe5b1e7c
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A systematic review and quality analysis of cancer pain guidelines	Thota R.S., Department of Palliative Medicine, Tata Memorial Hospital, Tata Memorial Centre, HBNI, Maharashtra, Mumb	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	0	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180337220&doi=10.4103%2fija.ija_325_23&partnerID=40&md5=8600d0185ddcf842b9cd7b8a232129c3
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Fibrosis and bone marrow: understanding causation and pathobiology	Ghosh K., National Institute of Immunohaematology, 13 Th Fl KEM Hospital, Parel, Mumbai, 400012, India; Shome D.K., De	Medical and Health Sciences	Journal of Translational Medicine	2023	5	1479-5876	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173347775&doi=10.1186%2fs12967-023-04393-z&partnerID=40&md5=d5e3b8f565862bd982915ccdec993661
Surgical resection for large hepatocellular carcinoma and those beyond BCLC: systematic review with proposed mana	Pandrowala S., Gastrointestinal and Hepato-Pancreato-Biliary Service, Department of Surgical Oncology, Tata Memorial H	Medical and Health Sciences	Langenbeck's Archives of Surgery	2023	4	1435-2443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152545614&doi=10.1007%2fs00423-023-02881-w&partnerID=40&md5=d355f0a241f41070e4bf1dc17828d8fe
Global Cancer Surgery: pragmatic solutions to improve cancer surgery outcomes worldwide	Are C., Division of Surgical Oncology, Department of Surgery, Fred and Pamela Buffett Cancer Center, University of Nebras	Medical and Health Sciences	The Lancet Oncology	2023	13	1470-2045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175493636&doi=10.1016%2fS1470-2045%2823%2900412-6&partnerID=40&md5=379e1014ab866f1da1d05fc21faa8f6d
Molecular MRD Assessment in Acute Myeloid Leukemias	Harankhedkar S., Haematopathology Laboratory, ACTREC, Tata Memorial Centre, Maharashtra, Navi Mumbai, India, Homi	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	1	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166248653&doi=10.1055%2fs-0043-1762921&partnerID=40&md5=bdbc8fdb911433a9ac6e4046d1004655
Clinical management of stage III non-small cell lung cancer in India: An expert consensus statement	Batra U., Department of Medical Oncology, Rajiv Gandhi Cancer Institute & Research Centre, Delhi, New Delhi, India; Prab	Medical and Health Sciences	Asia-Pacific Journal of Clinical Oncology	2023	1	1743-7555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148613010&doi=10.1111%2fajco.13938&partnerID=40&md5=501c62fcab0b9fb0c1917e9799409e12
Role of Cytogenetics and Fluorescence In Situ Hybridization in the Laboratory Workup of Acute Myeloid Leukemias	Jain H., Cancer Cytogenetics Department, Tata Memorial Centre, Advanced Centre for Research, Education and Treatment	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181728551&doi=10.1055%2fs-0043-1768052&partnerID=40&md5=e5d72c1ff3e64e7f92a7fdcf50f8072e
Big data and RCT's in surgical oncology: Impact on improving hepatopancreatobiliary cancer surgical care on the globa	Shrikhande S.V., Gastrointestinal and Hepato-Pancreato-Biliary Service, Department of Surgical Oncology, Tata Memorial (	Medical and Health Sciences	Journal of Surgical Oncology	2023	0	0022-4790	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173631931&doi=10.1002%2fjso.27467&partnerID=40&md5=a9896724fb0d1428e83e16f5939f2b7f
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Grossing and reporting of radical prostatectomy specimens: An evidence-based approach	Rao B.V., Basavatarakam Indo American Cancer Hospital and Research Institute, Telangana, Hyderabad, India; Soni S., Mu	Medical and Health Sciences	Indian Journal of Cancer	2023	0	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183312423&doi=10.4103%2fijc.ijc_1550_21&partnerID=40&md5=622f8dcf79979e25f6e012ecae4cc045
Cross-sectional imaging review of common to uncommon lung cancer mimickers in a tertiary care oncology center	Patnam N., Department of Radiodiagnosis and Interventional Radiology, Tata Memorial Centre, Homi Bhabha National Ins	Medical and Health Sciences	Acta Radiologica	2023	0	0284-1851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170842993&doi=10.1177%2f02841851231191987&partnerID=40&md5=b6943065aec41aa61fe92d95fa5bbe88
Molecular Imaging of Glial Tumors: Established and Emerging Tracers	Dev I.D., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Center, Homi Bhabha National Institute,	Medical and Health Sciences	Indian Journal of Neurosurgery	2023	1	2277-954X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185364181&doi=10.1055%2fs-0043-1770910&partnerID=40&md5=9bbcbda1fce42ccee33d0ce7d82ff4e7
Rare Variants of Malignant Peritoneal Mesothelioma: a Literature Review	Chatterjee A., Unit of Colorectal and Peritoneal Surface Malignancy, Department of Surgical Oncology, Tata Memorial Hos	Medical and Health Sciences	Indian Journal of Surgical Oncology	2023	0	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160629503&doi=10.1007%2fs13193-023-01754-4&partnerID=40&md5=a94ec0c5a4ab1461c9c55af83e039050
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Post-acute sequelae of COVID-19: understanding and addressing the burden of multisystem manifestations	Parotto M., Department of Anesthesiology and Pain Medicine, University of Toronto, ON, Canada, Interdepartmental Divis	Medical and Health Sciences	The Lancet Respiratory Medicine	2023	48	2213-2600	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166442336&doi=10.1016%2fS2213-2600%2823%2900239-4&partnerID=40&md5=6e51138ad0d702ad857c851a21a2a681
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Clival and Paraclival Lesions: A Pictorial Review	Palsetia D.R., Department of Radiodiagnosis and Imaging, Tata Memorial Hospital, Homi Bhabha National Institute, Mahar	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2023	0	0971-3026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159097432&doi=10.1055%2fs-0043-1761183&partnerID=40&md5=cbf9e8faf87f1f220bd788a0bc5a958b
Imaging Recommendations for Diagnosis, Staging, and Management of Penile Cancer	Sequeira R., Department of Radiodiagnosis, Mangalore Institute of Oncology, Karnataka, Mangalore, India; Katdare A., De	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159113724&doi=10.1055%2fs-0042-1760307&partnerID=40&md5=a7c27a94a549837838851ba21af81fc0
Top 10 Histological Mimics of Neuroendocrine Carcinoma You Should Not Miss in the Head and Neck	Juhlin C.C., Department of Oncology-Pathology, BioClinicum J6:20, Karolinska Institutet, Solna, Stockholm, 171 64, Sweden	Medical and Health Sciences	Head and Neck Pathology	2023	2	1936-055X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150410609&doi=10.1007%2fs12105-022-01521-x&partnerID=40&md5=15886b43a0971a5e90a9190202a3744e
Imaging Recommendations for Diagnosis, Staging, and Management of Peritoneal Malignancies	Choudhari A.K., Department of Radiodiagnosis, Tata Memorial Center, Mumbai, India; Chandramohan A., Dept. of Radiodi	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159119120&doi=10.1055%2fs-0043-1761165&partnerID=40&md5=92edb0e52fad5c8f7d048956d1ac088e
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Imaging of brain metastasis in non-small-cell lung cancer: indications, protocols, diagnosis, post-therapy imaging, and	Chakrabarty N., Department of Radiodiagnosis, Tata Memorial Hospital, Tata Memorial Centre, Homi Bhabha National Ins	Medical and Health Sciences	Clinical Radiology	2023	3	0009-9260	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145299237&doi=10.1016%2fj.crad.2022.09.134&partnerID=40&md5=3aeca15b511b66b7b747d52980b57605
Imaging Recommendations for Diagnosis, Staging, and Management of Bone Tumors	Janu A., Department of Radio-Diagnosis, Tata Memorial Hospital, Tata Memorial Centre, Maharashtra, Mumbai, India, Ho	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	2	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159117107&doi=10.1055%2fs-0042-1760313&partnerID=40&md5=bcbfcc1e7b08a8f10299237f1dce6aa1
Systematic review and meta-analysis of prediction models used in cervical cancer	Jha A.K., Department of Radiation Oncology (Maastro), GROW School for Oncology, Maastricht University Medical Centre-	Life Sciences; Medical and Health Scienc	Artificial Intelligence in Medicine	2023	13	0933-3657	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152450678&doi=10.1016%2fj.artmed.2023.102549&partnerID=40&md5=752dde667419c14e0f9f66654f062e77
Imaging Recommendations for Diagnosis, Staging, and Management of Hepatic and Biliary Tract Cancer	Chatterjee A., Department of Radiology and Imaging Sciences, Tata Medical Center, West Bengal, Kolkata, India; Mukhopa	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159077636&doi=10.1055%2fs-0042-1760320&partnerID=40&md5=03a6764a6f1411effc2095f256b5b508
Imaging Recommendations for Diagnosis, Staging, and Management of Oral Cancer	Mahajan A., Department of Radiodiagnosis, The Clatterbridge Cancer Centre, Liverpool, United Kingdom; Agarwal U., Dep	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	1	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159075067&doi=10.1055%2fs-0042-1760314&partnerID=40&md5=fab713be25784b17f5ea276cd6018e19
Imaging Recommendations for Diagnosis, Staging, and Management of Esophageal Cancer	Chakrabarty N., Department of Radiodiagnosis, Tata Memorial Centre, Homi Bhabha National Institute (HBNI), Tata Memo	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	1	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159049792&doi=10.1055%2fs-0042-1760324&partnerID=40&md5=bd5889cdb448ac492550ce304126f9dc
Systematic review and updated recommendations for cardiomyopathy surveillance for survivors of childhood, adolesc	Ehrhardt M.J., Department of Oncology and Department of Epidemiology and Cancer Control, St Jude Children's Research	Medical and Health Sciences	The Lancet Oncology	2023	42	1470-2045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148722303&doi=10.1016%2fS1470-2045%2823%2900012-8&partnerID=40&md5=1f67f7e3bef5a51f646491ee4b5a8410
Imaging Recommendations for Diagnosis, Staging, and Management of Cancer of the Thyroid, Parathyroid, and Saliva	Mahajan A., Department of Radiodiagnosis, The Clatterbridge Cancer Centre NHS Foundation Trust, Liverpool, United King	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	2	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159070989&doi=10.1055%2fs-0042-1760403&partnerID=40&md5=bc957b05f4ab38b64b70e48701f72502
Imaging Recommendations for Diagnosis, Staging, and Management of Testicular Cancer	Katdare A., Department of Radiodiagnosis, Tata Memorial Centre, Maharashtra, Mumbai, India, Homi Bhabha National Ins	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159148783&doi=10.1055%2fs-0042-1760328&partnerID=40&md5=407e031f3a3270572385459710b3d95a
Imaging Recommendations for Diagnosis, Staging, and Management of Cervical Cancer	Popat P.B.; Maheshwari A., Division of Gynaecologic Oncology, Department of Surgical Oncology, Tata Memorial Centre, H	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149650961&doi=10.1055%2fs-0042-1759717&partnerID=40&md5=af631ed4cb21434f27d31a4b0181b344
Imaging Recommendations for Diagnosis, Staging, and Management of Uterine Cancer	Manchanda S., Department of Radiodiagnosis and Interventional Radiology, All India Institute of Medical Sciences, New De	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	1	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149676135&doi=10.1055%2fs-0042-1759519&partnerID=40&md5=d9ad1dbd4bee702171f64f481fe7d085
Multisystem Imaging Recommendations/Guidelines: In the Pursuit of Precision Oncology	Mahajan A., Department of Radiology, The Clatterbridge Cancer Centre NHS Foundation Trust, Liverpool, United Kingdom	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	2	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149664660&doi=10.1055%2fs-0043-1761266&partnerID=40&md5=93a8ab5750371588ad18559d0ada2316
Imaging Recommendations for Diagnosis, Staging, and Management of Pancreatic Cancer	Shetty N.S., Department of Radio-Diagnosis, Tata Memorial Hospital, Homi Bhabha National University (HBNI), Maharasht	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149675713&doi=10.1055%2fs-0042-1759521&partnerID=40&md5=2fa22401e4dcc9d026a567107b5a142f
Imaging Recommendations for Diagnosis, Staging, and Management of Pediatric Solid Tumors	Smriti V., Department of Radiodiagnosis and Imaging, Homi Bhabha National Institute, Tata Memorial Hospital, Maharasht	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149668735&doi=10.1055%2fs-0042-1759507&partnerID=40&md5=39ff3e8c8b6af4cc7a72a5124e337646
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Recentādvancements in targeted protein knockdown technologies-emerging paradigms for targeted therapy	Joshi M., Molecular Functional Imaging Lab, Advanced Centre for Treatment Researchānd Education in Cancer (ACTREC), T	Life Sciences; Medical and Health Scienc	Exploration of Targeted Anti-tumor Therapy	2023	0	2692-3114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182385065&doi=10.37349%2fetat.2023.00194&partnerID=40&md5=2ed176aea0cd861c4bed7c7f7ed063e4
Imaging Recommendations for Diagnosis, Staging and Management of Larynx and Hypopharynx Cancer	Sahu A., Department of Radiodiagnosis and Imaging, Homi Bhabha National Institute, Tata Memorial Hospital, Maharasht	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	2	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149690088&doi=10.1055%2fs-0042-1759504&partnerID=40&md5=8543f9199de36c010a263b7d7ef68f3a
WHO 2022 classification of penile and scrotal cancers: updates and evolution	Menon S., Department of Pathology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Moch H., Dep	Medical and Health Sciences	Histopathology	2023	9	0309-0167	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141477937&doi=10.1111%2fhis.14824&partnerID=40&md5=33d45acc18a8b10b5eeabec1c7241471
Imaging Guidelines and Recommendations for Diagnosis, Surveillance, and Management of Pediatric CNS and Spinal T	Kapadia T., Children's X-Ray Department, Academic Unit of Paediatric Radiology, Royal Manchester Children's Hospital, Ur	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149666660&doi=10.1055%2fs-0042-1759716&partnerID=40&md5=8208f91c36c42810fa8e20fb115fe07e
Imaging Recommendations for Diagnosis, Staging, and Management of Small Bowel and Colorectal Malignancies	Bansal A., Department of Radiodiagnosis and Interventional Radiology, All India Institute of Medical Sciences, New Delhi, I	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149707582&doi=10.1055%2fs-0042-1759713&partnerID=40&md5=c7582375851e176662fcc7d2753e58df
Imaging Recommendations for Diagnosis, Staging, and Management of Ovarian and Fallopian Tube Cancers	Rupa R., Department of Diagnostic and Interventional Radiology, Division of Breast and Women's Imaging and Interventio	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	2	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149670077&doi=10.1055%2fs-0042-1759518&partnerID=40&md5=d4d2abcf7473352e235d9f3608eeb1db
Imaging Recommendations for Diagnosis, Staging, and Management of Sinonasal Tumors	Bhalla A.S., Department of Radiodiagnosis and Interventional Radiology, All India Institute of Medical Sciences, New Delhi,	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149702703&doi=10.1055%2fs-0042-1759520&partnerID=40&md5=1c44125869dcb8f480e81aa455c664e2
Updates in staging of penile cancer: the evolution, nuances, and issues	Sali A.P., Department of Pathology, Homi Bhabha Cancer Hospital (A Unit of Tata Memorial Centre), Punjab, 148001, India	Medical and Health Sciences	Human Pathology	2023	10	0046-8177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133747479&doi=10.1016%2fj.humpath.2022.06.010&partnerID=40&md5=efc38544bb66c5b9187e7f957926006e
Giant cell tumor of bone: An update, including spectrum of pathological features, pathogenesis, molecular profile and	Rekhi B., Department of Surgical Pathology, Tata Memorial Hospital and Homi Bhabha National Institute (HBNI) University	Medical and Health Sciences	Histology and Histopathology	2023	5	0213-3911	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141963949&doi=10.14670%2fHH-18-486&partnerID=40&md5=f72c3914470ba3283f5e58f7ad43405b
The current status of geriatric oncology in India	Noronha V., Department of Medical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, 400012, I	Life Sciences; Medical and Health Scienc	ecancermedicalscience	2023	3	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178452960&doi=10.3332%2fECANCER.2023.1595&partnerID=40&md5=8a92cd5b1e4221d137c73f6f931cfc58
Imaging Recommendations for Diagnosis, Staging, and Management of Prostate Cancer	Sable N.P., Department of Radiodiagnosis, Tata Memorial Hospital, Parel, Maharashtra, Mumbai, India; Bakshi G.K., Depar	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149693155&doi=10.1055%2fs-0042-1759517&partnerID=40&md5=7e7dc09a898fbfcbdfb414b89973f689
Insight into lipid-based nanoplatform-mediated drug and gene delivery in neuro-oncology and their clinical prospects	Hegde M.M., Manipal School of Life Sciences, Manipal Academy of Higher Education, Karnataka, Manipal, India; Sandbhor	Life Sciences; Medical and Health Scienc	Frontiers in Oncology	2023	2	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165138634&doi=10.3389%2ffonc.2023.1168454&partnerID=40&md5=32ebb982c8a2659a2fa91efc5cb748c5
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Optimization of Tissue Handling and Processing in the Era of Precision Medicine: A Practical Recommendation from a	Kaushal R.K., Department of Pathology, Tata Memorial Hospital (TMC), Maharashtra, Mumbai, India, Homi Bhabha Nation	Life Sciences; Medical and Health Scienc	Indian Journal of Medical and Paediatric Oncology	2023	0	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173160411&doi=10.1055%2fs-0043-1774752&partnerID=40&md5=fba9a9fe1a3366733cae2e971de9d81e
Updated systematic review and meta-analysis of extended adjuvant temozolomide in patients with newly diagnosed g	Gupta T., Department of Radiation Oncology, ACTREC/TMH, Tata Memorial Centre, Homi Bhabha National Institute (HBNI	Medical and Health Sciences	Neuro-Oncology Advances	2023	3	2632-2498	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171163201&doi=10.1093%2fnoajnl%2fvdad086&partnerID=40&md5=c5cab8627d4a1d3d5084e44dee489de6
Cabozantinib: A narrative drug review	Srigadha V.K., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Maharashtra, M	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	3	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160616860&doi=10.4103%2fcrst.crst_9_23&partnerID=40&md5=62b218224f4bbc0911e554ed4bd27709
Immunoglobulin G4-related disease (IgG4-RD) manifestations in the head-and-neck: A narrative review with a focus o	Shukla S., Department of Radiodiagnosis and Imaging, HBCH and MPMMCC, Tata Memorial Hospital, Varanasi, India; Mah	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2023	0	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160631812&doi=10.4103%2fcrst.crst_82_22&partnerID=40&md5=b9759d7a3f3f7c844c35641ed52d9e6b
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Fat necrosis: A consultant's conundrum	Majithia J., Radiology Department, Tata Memorial Hospital, Mumbai, India; Haria P., Radiology Department, Tata Memori	Medical and Health Sciences	Frontiers in Oncology	2023	3	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149570760&doi=10.3389%2ffonc.2022.926396&partnerID=40&md5=70310ce86bb856a26093797db13e5b4e
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Sporadic Cerebellar Hemangioblastoma with Strong SSTR Expression on 68Ga-DOTANOC PET/CT	Dev I.D., Department of Nuclear Medicine and Molecular Imaging, Homi Bhabha National Institute, Mumbai, India; Ranga	Medical and Health Sciences	Clinical Nuclear Medicine	2023	3	0363-9762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143551821&doi=10.1097%2fRLU.0000000000004456&partnerID=40&md5=97684188fa306ba91cad6e47bfe0cc01
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Cancer Survivorship in the Indo-Pacific: Priorities for Progress	Koczwara B., Department of Medical Oncology, Flinders Medical Centre, College of Medicine and Public Health, Flinders U	Medical and Health Sciences	JCO global oncology	2023	1	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147610375&doi=10.1200%2fGO.22.00305&partnerID=40&md5=289439444840508352 1c62ff0cf5a123
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Factors Influencing Pharmacokinetics of Tamoxifen in Breast Cancer Patients: A Systematic Review of Population Phar	Dilli Batcha J.S., Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, Manipal Academy of High	Life Sciences	Biology	2023	3	2079-7737	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146773180&doi=10.3390%2fbiology12010051&partnerID=40&md5=500f48d49063b6dc10c02dfef8765d75
Improving fission-product decay data for reactor applications: part I—decay heat	Nichols A.L., Department of Physics, University of Surrey, Surrey, Guildford, GU2 7XH, United Kingdom, Manipal Academy	Physical Sciences	European Physical Journal A	2023	4	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153232808&doi=10.1140%2fepja%2fs10050-023-00969-x&partnerID=40&md5=698ae9fce1071566cc23a9a12abfa6d6