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BOOK CHAPTERS

CHEMISTRY

Author(s)	PANWARIA, PRAKASH; DAS, ALOKE
Title	Exploring Non-covalent Interactions by Jet-Cooled Electronic and Vibrational Spectroscopy
Book Title	Modern Techniques of Spectroscopy, 57-86
Publisher	Springer Nature
URI	https://doi.org/10.1007/978-981-33-6084-6_3
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5808
Date of Publication	2021-04

HUMANITIES AND SOCIAL SCIENCES

Author(s)	SOHONI, PUSHKAR
Title	Architecture of South Asia
Book Title	Oxford Bibliographies in 'Architecture, Planning and Preservation
Publisher	Oxford University Press
URI	https://dx.doi.org/10.1093/obo/9780190922467-0052
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5778
Date of Publication	2021-02

Author(s)	SOHONI, PUSHKAR
Title	Colonial and Modern Architecture in India
Book Title	Oxford Bibliographies in 'Architecture, Planning and Preservation'
Publisher	Oxford University Press
URI	https://dx.doi.org/10.1093/obo/9780190922467-0051
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5777
Date of Publication	2021-01

Author(s)	SOHONI, PUSHKAR
Title	Nizām Shāhīs, art and architecture
Book Title	The Encyclopaedia of Islam Three
Publisher	Brill
URI	http://dx.doi.org/10.1163/1573-3912_ei3_COM_40173
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5776
Date of Publication	2021

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MATHEMATICS

Author(s) GAIKWAD, AJINKYA; MAITY, SOUMEN; TRIPATHI, SHUVAM KANT
Title The Balanced Satisfactory Partition Problem
Book Title SOFSEM 2021: Theory and Practice of Computer Science, 322-336
Publisher Springer Nature
URI https://doi.org/10.1007/978-3-030-67731-2_23
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5792>
Date of Publication 2021-01

Author(s) GAIKWAD, AJINKYA; MAITY, SOUMEN; TRIPATHI, SHUVAM KANT
Title Parameterized Complexity of Locally Minimal Defensive Alliances
Book Title CALDAM 2021: Algorithms and Discrete Applied Mathematics pp 135-148
Publisher Springer Nature
URI https://doi.org/10.1007/978-3-030-67899-9_11
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5793>
Date of Publication 2021-01

Author(s) GAIKWAD, AJINKYA; MAITY, SOUMEN; TRIPATHI, SHUVAM KANT
Title Parameterized Complexity of Defensive and Offensive Alliances in Graphs
Book Title ICDCIT 2021: Distributed Computing and Internet Technology pp 175-187
Publisher Springer Nature
URI https://doi.org/10.1007/978-3-030-65621-8_11
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5795>
Date of Publication 2021-01

JOURNAL ARTICLES

BIOLOGY

Author(s) GANGULY, SHATARUPA; SHREENIDHI, P.M.; BARUA, DEEPAK
Title Increased variation in sex organ positions can increase reciprocity and pollination success in heterostylous plant populations
Citation Plant Species Biology.
Publisher Wiley
URI <https://doi.org/10.1111/1442-1984.12327>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5852>
Date of Publication 2021-04

Author(s) Jabeena, C.A.; Govindaraju, Gayathri; RAWAT, MUKUL; Gopi, Soundhararajan; Sethumadhavan, Devadathan Valiyamangalath; Jaleel, Abdul; Sasankan, Dhakshmi; KARMODIYA, KRISHANPAL; Rajavelu, Arumugam
Title Dynamic association of the H3K64 trimethylation mark with genes encoding exported proteins in Plasmodium falciparum
Citation Journal of Biological Chemistry, 296.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.jbc.2021.100614>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5800>
Date of Publication 2021-01

Author(s) Karuppusamy, Balasubramani; Sarma, Devojit Kumar; Lalmalsawma, Pachuau; Pautu, Lalfakzuala; KARMODIYA, KRISHANPAL; Nina Praveen Balabaskaran
Title Effect of climate change and deforestation on vector borne diseases in the North-Eastern Indian state of Mizoram bordering Myanmar
Citation Journal of Climate Change and Health.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.joclim.2021.100015>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5825>
Date of Publication 2021-04

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Author(s) Kraus, Felix; ROY, KRISHNENDU; PUCADYIL, THOMAS J.; Ryan, Michael T.
Title Function and regulation of the divisome for mitochondrial fission
Citation Nature, 590, 57-66.
Publisher Springer Nature
URI <https://doi.org/10.1038/s41586-021-03214-x>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5785>
Date of Publication 2021-02

Author(s) KUMAR, KUNDAN; MHETRE, AMOL; RATNAPARKHI, GIRISH S.; KAMAT, SIDDHESH S.
Title A Superfamily-wide Activity Atlas of Serine Hydrolases in Drosophila melanogaster
Citation Biochemistry, 60(16), 1312-1324.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.biochem.1c00171>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5780>
Date of Publication 2021-04

Author(s) Mitra, Sirsha; Firake, D. M.; UMESH, K. P.; PANDEY, PRASHASTI P.; PANDIT, SAGAR
Title Polyphagous caterpillars of Spodoptera litura switch from a trap crop to the main crop, improve fitness, and shorten generation time
Citation Journal of Pest Science.
Publisher Springer Nature
URI <https://doi.org/10.1007/s10340-021-01351-w>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5831>
Date of Publication 2021-03

Author(s) PATIL, SHALAKA; SENGUPTA, KUNDAN
Title Role of A- and B-type lamins in nuclear structure-function relationships
Citation Biology of the Cell.
Publisher Wiley
URI <https://doi.org/10.1111/boc.202000160>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5830>
Date of Publication 2021-02

Author(s) SARKAR, SUSOVAN; DAGAR, SHIKHA; RAJAMANI, SUDHA
Title Influence of wet-dry cycling on the self-assembly and physicochemical properties of model protocellular membrane systems
Citation ChemSystemsChem.
Publisher Wiley
URI <https://doi.org/10.1002/syst.202100014>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5839>
Date of Publication 2021-04

Author(s) SHARMA, SWATI; RIKHY, RICHA
Title Spatiotemporal recruitment of RhoGTPase protein GRAF inhibits actomyosin ring constriction in Drosophila cellularization
Citation eLife.
Publisher eLife Sciences Publications Ltd.
URI <https://doi.org/10.7554/eLife.63535>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5813>
Date of Publication 2021-04

Author(s) Sudasinghe, Hiranya; DAHANUKAR, NEELESH; Raghavan, Rajeev; Senavirathna, Tharani; SHEWALE, DIPESHWARI J.; Paingankar, Mandar S.; Amarasinghe,
Title Island colonization by a 'rheophilic' fish: the phylogeography of Garra ceylonensis (Teleostei: Cyprinidae) in Sri Lanka
Citation Biological Journal of the Linnean Society, 132(4), 872-893.
Publisher Oxford University Press
URI <https://doi.org/10.1093/biolinnean/blaa221>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5840>
Date of Publication 2021-04

Author(s) Tamhane, Vaijayanti A.; SANT, SURHUD S.; Jadhav, Abhilash R.; War, Abdul R.; Sharma, Hari C.; Jaleel, Abdul; Kashikar, Akanksha S.
Title Label-free quantitative proteomics of Sorghum bicolor reveals the proteins strengthening plant defense against insect pest Chilo partellus
Citation Proteome Science, 19.
Publisher Springer Nature
URI <https://doi.org/10.1186/s12953-021-00173-z>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5837>
Date of Publication 2021-04

CHEMISTRY

- Author(s)** BASAVARAJAPPA, ASHOKKUMAR; AMBHORE, MADAN D.; ANAND, V. G.
Title Three dimensional isophlorinoid tetrapodal molecular cage
Citation Chemical Communications, 57(35), 4299-4302.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D1CC01002F>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5835>
Date of Publication 2021-03
- Author(s)** CHAKRABORTY, RAYAN; SHEIKH, TARIQ; GHOSH, PRASENJIT; NAG, ANGSUMAN
Title Neural Networks for Analysis of Optical Properties in 2D Layered Hybrid Lead Halide Perovskites
Citation Journal of Physical Chemistry C, 125(9), 5251-5259.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.1c00588>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5815>
Date of Publication 2021-03
- Author(s)** Chung, Ivy; BASU, SUDIPTA et al.
Title Unbiased Phenotype-Based Screen Identifies Therapeutic Agents Selective for Metastatic Prostate Cancer
Citation Frontiers in Oncology, 10.
Publisher Frontiers Media S.A.
URI <https://doi.org/10.3389/fonc.2020.594141>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5814>
Date of Publication 2021-03
- Author(s)** DESHPANDE, NILESH UMAKANT; VIRMANI, MISHIKA; JAYAKANNAN, MANICKAM
Title An AIE-driven fluorescent polysaccharide polymersome as an enzyme-responsive FRET nanoprobe to study the real-time delivery aspects in live cells
Citation Polymer Chemistry, 12(10), 1549-1561.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D0PY01085E>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5826>
Date of Publication 2021-03

Author(s) JAIN, PRASHANT; SHANTHAMURTHY, CHETHAN D.; Ben-Arye, Shani Leviatan; Yehuda, Sharon; Nandikol, Sharvani S.; Thulasiram, Hirekodathakallu, V.; Padler-Karavani, Vered; KIKKERI, RAGHAVENDRA

Title Synthetic heparan sulfate ligands for vascular endothelial growth factor to modulate angiogenesis

Citation Chemical Communications, 57(28), 3516-3519.

Publisher Royal Society of Chemistry

URI <https://doi.org/10.1039/D1CC00964H>

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Author(s) JINGER, RAHUL KUMAR; Fliegl, Heike; Bast, Radovan; Dimitrova, Maria; Lehtola, Susi; Sundholm, Dage

Title Spatial Contributions to Nuclear Magnetic Shieldings

Citation Journal of Physical Chemistry A, 125(8), 1778-1786.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acs.jpca.0c10884>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5832>

Date of Publication 2021-03

Author(s) Mukherjee, Soumya; Sensharma, Debobroto; Qazvini, Omid T.; DUTTA, SUBHAJIT; Macreadie, Lauren K.; GHOSH, SUJIT K.; Babarao, Ravichandar

Title Advances in adsorptive separation of benzene and cyclohexane by metal-organic framework adsorbents

Citation Coordination Chemistry Reviews, 437.

Publisher Elsevier B.V.

URI <https://doi.org/10.1016/j.ccr.2021.213852>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5841>

Date of Publication 2021-06

Author(s) PRAKASH, PRABHAT; ARDHRA, SHYLENDRAN; Fall, Birane; Zdilla, Michael J.; Wunder, Stephanie L.; VENKATNATHAN, ARUN

Title Solvate sponge crystals of (DMF)₃NaClO₄: reversible pressure/temperature controlled juicing in a melt/press-castable sodium-ion conductor

Citation Chemical Science, 12(15), 5574-5581.

Publisher Royal Society of Chemistry

URI <https://doi.org/10.1039/D0SC06455F>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5779>

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Author(s) SHARMA, SHIVANI; LET, SUMANTA; DESAI, AAMOD, V.; DUTTA, SUBHAJIT; Karuppasamy, Gopalsamy; Shirolkar, Mandar M.; Babarao, Ravichandar; GHOSH, SUJIT K.

Title Rapid, selective capture of toxic oxo-anions of Se(iv), Se(vi) and As(v) from water by an ionic metal-organic framework (iMOF)

Citation Journal of Materials Chemistry A, 9(10), 6499-6507.

Publisher Royal Society of Chemistry

URI <https://doi.org/10.1039/D0TA04898D>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5817>

Date of Publication 2021-03

Author(s) Sudhakara, Sarvajith Malali; DEVENDRACHARI, MRUTHYUNJAYACHARI CHATTANAHALLI; Kotresh, Harish Makri Nimbegondi; Khan, Fasiulla

Title Silver nanoparticles decorated phthalocyanine doped polyaniline for the simultaneous electrochemical detection of hydroquinone and catechol

Citation Journal of Electroanalytical Chemistry, 884.

Publisher Elsevier B.V.

URI <https://doi.org/10.1016/j.jelechem.2021.115071>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5827>

Date of Publication 2021-03

EARTH AND CLIMATE SCIENCE

Author(s) DEHIYA, RAHUL

Title 3D forward modeling of controlled-source electromagnetic data based on the radiation boundary method

Citation Geophysics, 86 (2), E143-E155.

Publisher Society of Exploration Geophysicists

URI <https://doi.org/10.1190/geo2020-0107.1>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5853>

Date of 2021-03

Author(s) DEHIYA, RAHUL
Title 3D modeling of electromagnetic gradiometer data – A numerical study on tunnel detection
Citation Geophysics, 86(3), WB79-WB88.
Publisher Society of Exploration Geophysicists
URI <https://doi.org/10.1190/geo2020-0372.1>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5854>
Date of 2021-05

Author(s) Govind, A. Vipin; Behera, Kamallesh; Dash, Jitendra Kumar; Balakrishnan, S.; Bhutani, Rajneesh; MANAGAVE, SHREYAS; Srinivasan, Ramaswamiah
Title Trace element and isotope Geochemistry of Neoproterozoic carbonate rocks from the Dharwar craton, southern India: Implications for depositional environments and mantle influence on ocean chemistry
Citation Precambrian Research, 357.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.precamres.2021.106137>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5782>
Date of 2021-06

Author(s) MANDAL, ANIRBAN; TRIPATHY, GYANA Ranjan; Goswami, Vineet; Lukas Ackerman; Parcha, Suraj K.; Chandra, Rakesh
Title Re-Os and Sr Isotopic Study of Permian-Triassic Sedimentary Rocks from the Himalaya: Shale Chronology and Carbonate Diagenesis
Citation Minerals, 11(4).
Publisher MDPI
URI <https://doi.org/10.3390/min11040417>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5834>
Date of 2021-04

MATHEMATICS

Author(s) BANERJEE, DEBARGHA; CHAUDHURI, CHITRABHANU
Title Semi-Stable Models of Modular Curves $X_0(p^2)$ and Some Arithmetic Applications
Citation Israel Journal of Mathematics, 241(2), 593-622.
Publisher Springer Nature
URI <https://doi.org/10.1007/s11856-021-2107-3>
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Author(s) Burnwal, Shantanu Prasad; SINHA, KANEENIKA; Vidyasagar, Mathukumalli
Title New and explicit constructions of unbalanced Ramanujan bipartite graphs
Citation Ramanujan Journal.
Publisher Springer Nature
URI <https://doi.org/10.1007/s11139-021-00384-0>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5851>
Date of Publication 2021-04

Author(s) KALELKAR, TEJAS; PHANSE, ADVAIT
Title An Upper Bound on Pachner Moves Relating Geometric Triangulations
Citation Discrete & Computational Geometry.
Publisher Springer Nature
URI <https://doi.org/10.1007/s00454-021-00283-7>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5824>
Date of Publication 2021-03

Author(s) Kanesh, Lawqueen; MAITY SOUMEN; Muluk, Komal; Saurabh, Saket
Title Parameterized complexity of fair feedback vertex set problem
Citation Theoretical Computer Science, 867, 1-12.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.tcs.2021.03.008>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5820>
Date of Publication 2021-05

Author(s) ROYCHOWDHURY, PRASUN
Title On higher order Poincaré inequalities with radial derivatives and Hardy improvements on the hyperbolic space
Citation *Annali di Matematica Pura ed Applicata (1923 -)*.
Publisher Springer Nature
URI <https://doi.org/10.1007/s10231-021-01083-9>
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Date of Publication 2021-03

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Author(s) MAITY, SOUMEN; Colbourn, Charles J.
Title Mixed covering arrays on graphs of small treewidth
Citation Discrete Mathematics, Algorithms and Applications.
Publisher World Scientific
URI <https://doi.org/10.1142/S1793830921500853>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5850>
Date of Publication 2021-04

PHYSICS

Author(s) CHAKRABORTY, RAYAN; SHEIKH, TARIQ; GHOSH, PRASENJIT; NAG, ANGSUMAN
Title Neural Networks for Analysis of Optical Properties in 2D Layered Hybrid Lead Halide Perovskites
Citation Journal of Physical Chemistry C, 125(9), 5251-5259.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.1c00588>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5815>
Date of Publication 2021-03

Author(s) CMS Collaboration; Sirunyan, A. M.; DUBE, S.; KANSAL, B.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.
Title Measurements of $pp \rightarrow ZZ$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13\text{TeV}$
Citation European Physical Journal C, 81.
Publisher Springer Nature
URI <https://doi.org/10.1140/epjc/s10052-020-08817-8>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5818>
Date of Publication 2021-03

Author(s) CMS Collaboration; Sirunyan, A. M.; DUBE, S.; KANSAL, B.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.
Title Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13\text{TeV}$
Citation Journal of High Energy Physics, 2021(3).
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP03\(2021\)011](https://doi.org/10.1007/JHEP03(2021)011)
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Author(s) CMS Collaboration; Sirunyan, A. M.; DUBE, S.; KANSAL, B.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.
Title Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $\sqrt{s} = 13$ TeV
Citation Journal of High Energy Physics, 2021(3).
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP03\(2021\)257](https://doi.org/10.1007/JHEP03(2021)257)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5845>
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Author(s) GARG, CHARU; Cervellino, Antonio; NAIR, SUNIL
Title Phase coexistence and negative thermal expansion in the triple perovskite iridate $\text{Ba}_3\text{CoIr}_2\text{O}_9$
Citation Physical Review Materials, 5(4).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevMaterials.5.044405>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5821>
Date of Publication 2021-04

Author(s) GOPAL, ASHWIN; Roldan, Edgar; Ruffo, Stefano
Title Energetics of critical oscillators in active bacterial baths
Citation Journal of Physics A: Mathematical and Theoretical, 54(16).
Publisher IOP Publishing
URI <https://doi.org/10.1088/1751-8121/abe5cb>
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Author(s) Gupta, Kritika; SANTHANAM, M. S.
Title Extreme events in Nagel-Schreckenberg model of traffic flow on complex networks
Citation European Physical Journal-Special Topics.
Publisher Springer Nature
URI <https://doi.org/10.1140/epjs/s11734-021-00016-0>
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Author(s) Joseph, Emmanuel; RAJPUT, SHATRUHAN SINGH; PATIL, SHIVPRASAD; Nisal, Anuya
Title Mechanism of Adhesion of Natural Polymer Coatings to Chemically Modified Siloxane Polymer
Citation Langmuir, 37(9), 2974-2984.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.langmuir.1c00047>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5816>
Date of Publication 2021-03

Author(s) Kumar, Vipin; BANO, AMREEN; Rajput, Kaptan; Roy, Debesh R.
Title The Interaction of two-dimensional P₂SiS nanosheet with environmental toxic NCG molecules for sensor application: A DFT study
Citation Sensors and Actuators A-Physical, 322.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.sna.2021.112608>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5823>
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Author(s) Kumar, Vipin; BANO, AMREEN; Roy, Debesh R.
Title First-Principles Calculations of SiBi Nanosheets as Sensors for Oxygen-Containing Gases
Citation ACS Applied Nano Materials, 4(3), 2440-2451.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acsnm.0c02998>
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Date of Publication 2021-03

Author(s) Ravindranath, Vikram; SANTHANAM, M. S.
Title Dynamical transitions in aperiodically kicked tight-binding models
Citation Physical Review B, 103(13).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevB.103.134303>
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Author(s) SARYAL, SUSHANT; SADEKAR, ONKAR; AGARWALLA, BIJAY KUMAR
Title Thermodynamic uncertainty relation for energy transport in a transient regime: A model study
Citation Physical Review E, 103(2).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevE.103.022141>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5849>
Date of Publication 2021-03

Author(s) SHIVA SHANKER, G.; OGALE, SATISHCHANDRA
Title Faceted Colloidal Metallic Ni₃N Nanocrystals: Size-Controlled Solution-Phase Synthesis and Electrochemical Overall Water Splitting
Citation ACS Applied Energy Materials, 4(3), 2165-2173.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acsaem.0c02674>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5801>
Date of Publication 2021-03

Author(s) SHIVA SHANKER, V.; BISWAS, ABHIJIT; OGALE, SATISHCHANDRA
Title 2D materials and their heterostructures for photocatalytic water splitting and conversion of CO₂ to value chemicals and fuels
Citation Journal of Physics: Energy, 3(2).
Publisher IOP Publishing
URI <https://doi.org/10.1088/2515-7655/abdcab>
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Author(s) SRIVASTAV, SUMIT; SEN, ARNAB; SHARMA, DEEPAK; BAPAT, BHAS
Title Fragmentation dynamics of CO⁴⁺₂: Contributions of different electronic states
Citation Physical Review A, 103(3).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevA.103.032821>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5842>
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