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**Monthly Bulletin of Publications:
Faculty, Scientists and Students of IISER Pune.
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BIOLOGY

Author(s) Mondal, Sudipta; SINGH, SHUBHAM; KAMAT, SIDDHESH S. et al.
Title DIP2 is a unique regulator of diacylglycerol lipid homeostasis in eukaryotes
Citation eLife.
Publisher eLife Sciences Publications Ltd.
URI <https://doi.org/10.7554/eLife.77665>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7236>
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Author(s) Sakunthala, Arunima; SENGUPTA, KUNDAN et al.
Title Direct Demonstration of Seed Size-Dependent $\text{I}\pm\text{-Synuclein}$ Amyloid Amplification
Citation Journal of Physical Chemistry Letters, 13(28), 6427-6438.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcllett.2c01650>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7285>
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CHEMISTRY

Author(s) AMBHORE, MADAN D.; SHUKLA, PRAGATI; Gonnade, Rajesh G.; ANAND, V. G.
Title Tailoring diradicaloid properties of expanded isophlorinoids with systematic core-modification
Citation Chemical Communications.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2CC02970G>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7287>
Date of Publication 2022-07

Author(s) BHOWMICK, ANINDITA; WARGHUDE, PRAKASH K.; BHAT, RAMAKRISHNA G.
Title Visible Light Promoted Metal-Free Sustainable Reduction of α -Alkylidene Oxindoles/Succinimides
Citation Asian Journal of Organic Chemistry.
Publisher Wiley
URI <https://doi.org/10.1002/ajoc.202200205>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7264>
Date of Publication 2022-06

Author(s) Cai, Pingwei; Chen, Kai; Lu, Zhiwen; MONDAL, RITWIK; THOTIYL, MUSTHAFA OTTAKAM; Wen, Zhenhai
Title Aqueous OH⁻/H⁺ Dual-ion Zn-Based Batteries
Citation ChemSusChem.
Publisher Wiley
URI <https://doi.org/10.1002/cssc.202201034>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7295>
Date of Publication 2022-07

Author(s) CHANDRAN, CHANDANA; SINGH, HIMAN DEV; LEO, LIYA S.; SHEKHAR, PRAGALBH; RASE, DEEPAK; CHAKRABORTY, DEBANJAN; Vinod, Chathakudath P.; VAIDHYANATHAN, RAMANATHAN
Title A covalent organic framework with electrodeposited copper nanoparticles - a desirable catalyst for the Ullmann coupling reaction
Citation Journal of Materials Chemistry A, 10(29), 15647-15656.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2TA01326F>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7273>
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Author(s) DIXIT, ADITI; JOSE, GREGOR P.; SHANBHAG, CHITRA; TAGAD, NITIN;
Title Metabolic Labeling-Based Chemoproteomics Establishes Choline Metabolites as Protein Function Modulators
Citation ACS Chemical Biology.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acscchembio.2c00400>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7279>
Date of Publication 2022-07

Author(s) GHOSH, PULAK; Kropp, Heike M.; Betz, Karin; Ludmann, Samra; Diederichs, Kay; Marx, Andreas; SRIVATSAN, SEERGAZHI G.
Title Microenvironment-Sensitive Fluorescent Nucleotide Probes from Benzofuran, Benzothiofene, and Selenophene as Substrates for DNA Polymerases
Citation Journal of the American Chemical Society, 144(23), 10556-10569.
Publisher American Chemical Society
URI <https://doi.org/10.1021/jacs.2c03454>
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Date of Publication 2022-07

Author(s) HALDAR, SATTWICK; RASE, DEEPAK; SHEKHAR, PRAGALBH; JAIN, CHITVAN; Vinod, Chathakudath Prabhakaran; Zhang, En; Shupletsov, Leonid; Kaskel, Stefan; VAIDHYANATHAN, RAMANATHAN
Title Incorporating Conducting Polypyrrole into a Polyimide COF for Carbon-Free Ultra-High Energy Supercapacitor
Citation Advanced Energy Materials, 2200754.
Publisher Wiley
URI <https://doi.org/10.1002/aenm.202200754>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7291>
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Author(s) JAMDADE, AKASH BANDU; SUTAR, DASHRAT VISHAMBAR; GNANAPRAKASAM, BOOPATHY
Title Dehydrogenative Intramolecular Macrolactonization of Dihydroxy Compounds Using Ru-MACHO Catalyst
Citation Organic Letters, 24(24), 4394-4398.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.orglett.2c01617>
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Author(s) KASDEKAR, NITESH LAL; WALKE, GULAB; DESHPANDE, KSHITIJ; HOTH, SRINIVAS
Title Glycosyl Vinylogous Carbonates as Glycosyl Donors by Metal-Free Activation
Citation Journal of Organic Chemistry, 87(9), 5472-5484.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.joc.1c02427>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7265>
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Author(s) MOLLICK, SAMRAJ; SAURABH, SATYAM; MORE, YOGESHWAR D.; FAJAL, SAHEL; Shirolkar, Mandar M.; MANDAL, WRITAKSHI; GHOSH, SUJIT K.
Title Benchmark uranium extraction from seawater using an ionic macroporous metal-organic framework
Citation Energy & Environmental Science.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2EE01199A>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7278>
Date of Publication 2022-06

Author(s) Mondal, Partha; PAL, RAPTI; Pal, Arun K.; Das, Soumik; Misra, Anirban; Datta, Ayan
Title Understanding the Regioselectivity of Ion-Pair-Assisted Meta-Selective C(sp²)-H Activation in Conformationally Flexible Arylammonium Salts
Citation Journal of Organic Chemistry, 87(14), 9222-9231.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.joc.2c00957>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7275>
Date of Publication 2022-07

Author(s) PANIGRAHI, KARAMJYOTI; NAG, ANGSHUMAN
Title Challenges and Strategies to Design Phosphors for Future White Light Emitting Diodes
Citation Journal of Physical Chemistry C, 126(20), 8553-8564.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.2c01679>
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Author(s) PANWARIA, PRAKASH; DAS, ALOKE
Title Understanding the $n \rightarrow \pi^*$ non-covalent interaction using different experimental and theoretical approaches
Citation Physical Chemistry Chemical Physics.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2CP02070J>
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Author(s) RAO, ANISH; ROY, SUMIT; JAIN, VANSHIKA; PILLAI, PRAMOD P.
Title Nanoparticle Self-Assembly: From Design Principles to Complex Matter to Functional Materials
Citation ACS Applied Materials & Interfaces.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acsami.2c05378>
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Author(s) SARKAR, MEGHAMALA; BOOMISHANKAR, RAMAMOORTHY
Title Mapping the Assembly of Neutral Tetrahedral Cages Tethered by Oximido Linkers and Their Guest Encapsulation Studies
Citation Inorganic Chemistry.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.inorgchem.2c01178>
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Date of Publication 2022-05

Author(s) Singh, Manpreet; Borkhatariya, Nitin; Pramanik, Panchanan; DUTTA, SUBHAJIT; GHOSH, SUJIT K.; Maiti, Pratyush; Neogi, Subhadip; Maiti, Subarna
Title Microporous carbon derived from cotton stalk crop-residue across diverse geographical locations as efficient and regenerable CO₂ adsorbent with selectivity
Citation Journal of CO₂ Utilization, 60, 101975.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.jcou.2022.101975>
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Author(s) WARGHUDE, PRAKASH K.; BHOWMICK, ANINDITA; BHAT, RAMAKRISHNA G.
Title Direct access to spirooxindole dihydropyrrole fused pyrazolones and bis-spiropyrazolone derivatives
Citation Tetrahedron Letters, 97, 153791.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.tetlet.2022.153791>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7257>
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EARTH AND CLIMATE SCIENCE

Author(s) Ahmad, Nafees; Singh, Satinder Pal; Lone, Aasif Mohmad; Qasim, Abul; Bhushan, Ravi; TRIPATHY, GYANA RANJAN; Shah, Chinmay

Title Historical variations in autochthonous and allochthonous sediment supplies to the largest freshwater lake in Central India

Citation International Journal of Sediment Research, 37(5), 563-575.

Publisher Elsevier B.V.

URI <https://doi.org/10.1016/j.ijsrc.2022.02.008>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7282>

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Author(s) KUMAR, VIVEK; RAI, SHYAM S.; Hawkins, Rhys; Bodin, Thomas

Title Seismic Imaging of Crust Beneath the Western Tibet-Pamir and Western Himalaya Using Ambient Noise and Earthquake Data

Citation Journal of Geophysical Research-Solid Earth, 127(6), e2021JB02257.

Publisher Wiley

URI <https://doi.org/10.1029/2021JB022574>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7238>

Date of Publication 2022-06

Author(s) MULLICK, N.; RAI, SHYAM S.; SAHA, G.

Title Lithospheric Structure of the South India Precambrian Terrains From Surface Wave Tomography

Citation Journal of Geophysical Research-Solid Earth, 127(7), e2022JB024244.

Publisher Wiley

URI <https://doi.org/10.1029/2022JB024244>

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Author(s)	Mave, Vidya; SHAIKH, ARSH; MONTEIRO, JOY MERWIN; Bogam, Prasad; Pujari, Bhalchandra S.; Gupte, Nikhil
Title	Association of national and regional lockdowns with COVID-19 infection rates in Pune, India
Citation	Scientific Reports, 12, 10446.
Publisher	Springer Nature
URI	https://doi.org/10.1038/s41598-022-14674-0
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Author(s) Ganguly, Debdip; Pinchover, Yehuda; ROYCHOWDHURY, PRASUN
Title Stochastic completeness and L^1 -Liouville property for second-order elliptic operators
Citation Discrete and Continuous Dynamical Systems-Series S.
Publisher American Institute of Mathematical Sciences
URI <https://doi.org/10.3934/dcdss.2022138>
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Author(s) Azatov, Aleksandr; GHOSH, DIPTIMOY; SINGH, AMARTYA HARSH
Title Four-fermion operators at dimension 6: Dispersion relations and UV completions
Citation Physical Review D, 105(11), 115019.
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevD.105.115019>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7254>
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Author(s) BALAJI, HARITA PALANI; Ray, Alak; Wagle, Gururaj A.; Raghu, Adarsh
Title Type IIP Supernova IV. Shock Breakout from Progenitor Stars Modeled with Convective Overshoot and Mass Loss
Citation Astrophysical Journal, 933(2).
Publisher IOP Publishing
URI <https://doi.org/10.3847/1538-4357/ac7528>
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Author(s) Bayer, Adrian E.; BANERJEE, ARKA; Seljak, Uros
Title Beware of fake v 's: The effect of massive neutrinos on the nonlinear evolution of cosmic structure
Citation Physical Review D, 105(12), 123510.
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevD.105.123510>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7255>
Date of Publication 2022-06

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA,A; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.
Title Search for resonant production of strongly coupled dark matter in proton-proton collisions at 13 TeV
Citation Journal of High Energy Physics, 2022(6), 156.
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP06\(2022\)156](https://doi.org/10.1007/JHEP06(2022)156)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7261>
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Author(s) CMS Collaboration; Tumasyan. A. ; DUBE, SOURABH; KANSAL, B.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Observation of B_s^0 mesons and measurement of the B_s^0/B^+ yield ratio in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV

Citation Physics Letters B, 829, 137062.

Publisher Elsevier B.V.

URI <https://doi.org/10.1016/j.physletb.2022.137062>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7256>

Date of Publication 2022-06

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA,A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Measurement of the production cross section for Z+b jets in proton-proton collisions at $\sqrt{s}=13$ TeV

Citation Physical Review D, 105(9), 092014.

Publisher American Physical Society

URI <https://doi.org/10.1103/PhysRevD.105.092014>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7271>

Date of Publication 2022-05

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA,A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Search for charged-lepton flavor violation in top quark production and decay in pp collisions at $\sqrt{s} = 13$ TeV

Citation Journal of High Energy Physics, 2022(6), 82.

Publisher Springer Nature

URI [https://doi.org/10.1007/JHEP06\(2022\)082](https://doi.org/10.1007/JHEP06(2022)082)

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7263>

Date of Publication 2022-06

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA,A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Strategies and performance of the CMS silicon tracker alignment during LHC Run 2

Citation Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1037, 166795.

Publisher Elsevier B.V.

URI <https://doi.org/10.1016/j.nima.2022.166795>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7270>

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Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, K.; DUBE, SOURABH; KANSAL, B.; LAHA, S.; PANDEY, S.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Search for invisible decays of the Higgs boson produced via vector boson fusion in proton-proton collisions at $\sqrt{s}=13$ TeV

Citation Physical Review D, 105(9), 092007.

Publisher American Physical Society

URI <https://doi.org/10.1103/PhysRevD.105.092007>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7237>

Date of Publication 2022-05

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA, A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Search for long-lived heavy neutral leptons with displaced vertices in proton-proton collisions at $\sqrt{s}=13$ TeV

Citation Journal of High Energy Physics, 2022(07), 081.

Publisher Springer Nature

URI [https://doi.org/10.1007/JHEP07\(2022\)081](https://doi.org/10.1007/JHEP07(2022)081)

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7289>

Date of Publication 2022-07

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA, A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Observation of the B_c^+ Meson in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV and Measurement of its Nuclear Modification Factor

Citation Physical Review Letters, 128(25), 252301.

Publisher American Physical Society

URI <https://doi.org/10.1103/PhysRevLett.128.252301>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7290>

Date of Publication 2022-06

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA, A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Measurement of the inclusive and differential WZ production cross sections, polarization angles, and triple gauge couplings in pp collisions at $\sqrt{s} = 13$ TeV

Citation Journal of High Energy Physics, 2022(07), 32.

Publisher Springer Nature

URI [https://doi.org/10.1007/JHEP07\(2022\)032](https://doi.org/10.1007/JHEP07(2022)032)

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Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Probing Charm Quark Dynamics via Multiparticle Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV

Citation Physical Review Letters, 129(2), 022001.

Publisher American Physical Society

URI <https://doi.org/10.1103/PhysRevLett.129.022001>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7293>

Date of Publication 2022-07

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA, A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Search for new physics in the lepton plus missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 13$ TeV

Citation Journal of High Energy Physics, 2022(07), 67.

Publisher Springer Nature

URI [https://doi.org/10.1007/JHEP07\(2022\)067](https://doi.org/10.1007/JHEP07(2022)067)

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7294>

Date of Publication 2022-07

Author(s) Glennon, Noah; Nadler, Ethan O.; Musoke, Nathan; BANERJEE, ARKA; Prescod-Weinstein, Chanda; Wechsler, Risa H.

Title Tidal disruption of solitons in self-interacting ultralight axion dark matter

Citation Physical Review D, 105(12), 123540.

Publisher American Physical Society

URI <https://doi.org/10.1103/PhysRevD.105.123540>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7288>

Date of Publication 2022-06

Author(s) Grebenkov, Denis S.; KUMAR, AANJANEYA

Title First-passage times of multiple diffusing particles with reversible target-binding kinetics

Citation Journal of Physics A: Mathematical and Theoretical, 55(32), 325002.

Publisher IOP Publishing

URI <https://doi.org/10.1088/1751-8121/ac7e91>

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Author(s) KUMAR, UPENDRA
Title Signature of structural parameter in Floquet spectra of a - T-3 lattice model
Citation Chinese Journal of Physics, 77, 2834-2843.
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URI <https://doi.org/10.1016/j.cjph.2021.11.017>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7258>
Date of Publication 2022-06

Author(s) LIGO Scientific Collaboration; Virgo Collaboration; KAGRA Collaboration; Abbott, R.; RAPOL, UMAKANT D.; SOURADEEP, TARUN et al .
Title Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run
Citation Astrophysical Journal, 932(2).
Publisher IOP Publishing
URI <https://doi.org/10.3847/1538-4357/ac6ad0>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7269>
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Author(s) MITRA, DEBARSHI; PANDE, SHREERANG; CHATTERJI, APRATIM
Title Polymer architecture orchestrates the segregation and spatial organization of replicating E. coli chromosomes in slow growth.
Citation Soft Matter.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2SM00734G>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7274>
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Author(s) TELANG, PRACHI; BANDYOPADHYAY, ABHISEK; MISHRA, KSHITI; ROUT, DIBYATA; BAG, RABINDRANATH; Gloskovskii, A.; Matveyev, Yu; SINGH, SURJEET
Title X-ray photoemission and absorption study of the pyrochlore iridates (Eu_{1-x}Bi_x)₂Ir₂O₇, 0 ≤ x ≤ 1
Citation Journal of Physics: Condensed Matter, 34(39), 395601.
Publisher IOP Publishing
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Author(s) Wang, Yunchong; BANERJEE, ARKA; Abel, Tom
Title Detection of spatial clustering in the 1000 richest SDSS DR8 redMaPPer clusters with nearest neighbor distributions
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Publisher Oxford University Press
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