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

- Author(s)** DAGAR, SHIKHA; SARKAR, SUSOVAN; RAJAMANI, SUDHA
- Title** Geochemical influences on nonenzymatic oligomerization of prebiotically relevant cyclic nucleotides
- Citation** RNA, 26(6); 756-769.
- Publisher** Cold Spring Harbor Laboratory Press
- URI** <https://doi.org/10.1261/rna.074302.119>
- DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4643>
- Date of Publication** 2020-06
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- Author(s)** Dubey, Sushil; Bhembre, Nishita; BODAS, SHIVANI; Veer, Sukh; GHOSE, AURNAB; Callan-Jones, Andrew; Pullarkat, Pramod
- Title** The axonal actin-spectrin lattice acts as a tension buffering shock absorber
- Citation** eLife, 9.
- Publisher** eLife Sciences Publications Ltd.
- URI** <https://doi.org/10.7554/eLife.51772>
- DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4610>
- Date of Publication** 2020-04
-
- Author(s)** Jadhav, P., V; Das, D. N.; TARATE, S. B.
- Title** Genetic polymorphism in TLR₂ genes of HF cross bred cattle through PCR SSCP
- Citation** Indian Journal of Animal Research, 54(4), 430-433.
- Publisher** Agricultural Research Communication Centre
- URI** <https://doi.org/10.18805/ijar.B-3796>
- DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4616>
- Date of Publication** 2020-04
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- Author(s)** MALLA, JAVID AHMAD; UMESH, RINTU M.; YOUSF, SALEEM; MANE, SHRUNAL; Sharma, Shilpy; LAHIRI, MAYURIKA; TALUKDAR, PINAKI
- Title** A Glutathione Activatable Ion Channel Induces Apoptosis in Cancer Cells by Depleting Intracellular Glutathione Levels
- Citation** Angewandte Chemie-International Edition, 59(20), 7944-7952.
- Publisher** Wiley
- URI** <https://doi.org/10.1002/anie.202000961>
- DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4613>
- Date of Publication** 2020-05

Author(s) MUTALIK, SAMPADA P.; GHOSE, AURNAB
Title Axonal cytom mechanics in neuronal development
Citation Journal of Biosciences, 45(1).
Publisher Indian Academy of Sciences
URI <https://doi.org/10.1007/s12038-020-00029-2>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4601>
Date of Publication 2020-04

Author(s) Saha, Kishan; DHOLAKIA, BHUSHAN B.; Sinha, Rabindra Kumar; Sinha, Sangram
Title DNA barcoding of selected Zingiberaceae species from North-East India
Citation Journal of Plant Biochemistry and Biotechnology.
Publisher Springer
URI <https://doi.org/10.1007/s13562-020-00563-y>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4587>
Date of Publication 2020-04

Author(s) Smith, Gerald R.; NAMBIAR, MRIDULA
Title New Solutions to Old Problems: Molecular Mechanisms of Meiotic Crossover Control
Citation Trends in Genetics, 36(5), 337-346.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.tig.2020.02.002>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4599>
Date of Publication 2020-05

CHEMISTRY

Author(s) ANAND, SAURABH; MARDHEKAR, SANDHYA; RAIGAWALI, RAKESH; MOHANTA, NIRMALA; JAIN, PRASHANT; SHANTHAMURTHY, CHETHAN D; GNANAPRAKASAM, BOOPATHY; KIKKERI, RAGHAVENDRA
Title Continuous-Flow Accelerated Sulfation of Heparan Sulfate Intermediates
Citation Organic Letters, 22(9), 3402-3406.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.orglett.0c00878>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4609>
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Author(s) DEVATHA, GAYATHRI; ROY, PRADYUT; RAO, ANISH; ROY, SOUMENDU; PILLAI, PRAMOD P.
Title Multicolor Luminescent Patterning via Photoregulation of Electron and Energy Transfer Processes in Quantum Dots
Citation Journal of Physical Chemistry Letters, 11(10), 4099-4106.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcllett.0c01121>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4598>
Date of Publication 2020-05

Author(s) GUPTA, KRITI; Dadwal, Arun; JHA, PLAWAN KUMAR; Jain, Anil; Yusuf, S. M.; Joy, Pattavil A.; BALLAV, NIRMALYA
Title Exploring Magnetic XY Behavior in a Quasi-2D Anisotropic Triangular Lattice of Cu(II) by Functionalized Graphene
Citation Inorganic Chemistry, 59(9), 6214-6219.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.inorgchem.0c00315>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4633>
Date of Publication 2020-04

Author(s) ITAGI, MAHESH; BHAT, ZAHID MANZOOR; THIMMAPPA, RAVIKUMAR; PANDIT, DEEPAJ; DEVENDRACHARI, MRUTHYUNJAYACHARI CHATTANAHALLI; Sannegowda, Lokesh Koodlur; THOTIYL, MUSTHAFA OTTAKAM
Title An Electrochemical Valorization Fuel Cell for Simultaneous Electroorganic and Hydrogen Fuel Syntheses
Citation Journal of Physical Chemistry C, 124(21), 11284-11292.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.0c00325>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4596>
Date of Publication 2020-04

Author(s) JOSHI, NIHARIKA; GAURAV, C.; BALLAV, NIRMALYA; GHOSH, PRASENJIT
Title Tuning electronic and magnetic properties of the graphone/Ni(111) interface by oxygen intercalation: A first-principles prediction
Citation Physical Review B, 101(19).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevB.101.195401>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4602>
Date of Publication 2020-05

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Author(s) MALLA, JAVID AHMAD; UMESH, RINTU M.; YOUSF, SALEEM; MANE, SHRUNAL; Sharma, Shilpy; LAHIRI, MAYURIKA; TALUKDAR, PINAKI
Title A Glutathione Activatable Ion Channel Induces Apoptosis in Cancer Cells by Depleting Intracellular Glutathione Levels
Citation Angewandte Chemie-International Edition, 59(20), 7944-7952.
Publisher Wiley
URI <https://doi.org/10.1002/anie.202000961>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4613>
Date of Publication 2020-05

Author(s) MONDAL, KINJAL; CHAUDHURY, SRABANTI
Title Effect of DNA Conformation on the Protein Search for Targets on DNA: A Theoretical Perspective
Citation Journal of Physical Chemistry B, 124(17), 3518-3526.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.0c01996>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4608>
Date of Publication 2020-04

Author(s) ROY, SOUMENDU; JAIN, VANSHIKA; KASHYAP, RADHA KRISHNA; RAO, ANISH; PILLAI, PRAMOD P.
Title Electrostatically Driven Multielectron Transfer for the Photocatalytic Regeneration of Nicotinamide Cofactor
Citation ACS Catalysis, 10(10), 5522-5528.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acscatal.0c01478>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4597>
Date of Publication 2020-04

Author(s) Sadhukhan, Debopriya; HAZRA, ANIRBAN; Patwari, G. Naresh
Title Bend-to-Break: Curvilinear Proton Transfer in Phenol-Ammonia Clusters
Citation Journal of Physical Chemistry A, 124(16), 3101-3108.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpca.0c00102>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4615>
Date of Publication 2020-03

Author(s) SAMANTA, PARTHA; LET, SUMANTA; MANDAL, WRITAKSHI; DUTTA, SUBHAJIT; GHOSH, SUJIT K.
Title Luminescent metal-organic frameworks (LMOFs) as potential probes for the of recognition cationic water pollutants
Citation Inorganic Chemistry Frontiers, 7(9), 1801-1821.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/DOQI00167H>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4644>
Date of Publication 2020-05

Author(s) SHARMA, SHIVANI; DESAI, AAMOD V.; JOARDER, BIPLAB; GHOSH, SUJIT K.
Title A Water-Stable Ionic MOF for the Selective Capture of Toxic Oxoanions of Se^{VI} and As^V and Crystallographic Insight into the Ion-Exchange Mechanism
Citation Angewandte Chemie-International Edition, 59(20), 7788-7792.
Publisher Wiley
URI <https://doi.org/10.1002/anie.202000670>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4611>
Date of Publication 2020-05

Author(s) SHEIKH, TARIQ; NAWALE, VAIBHAV; Pathoor, Nithin; Phadnis, Chinmay; Chowdhury, Arindam; NAG, ANGSUMAN
Title Molecular Intercalation and Electronic Two Dimensionality in Layered Hybrid Perovskites
Citation Angewandte Chemie-International Edition.
Publisher Wiley
URI <https://doi.org/10.1002/anie.202003509>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4614>
Date of Publication 2020-04

Author(s) Sudhakara, SarvajithMalali; Kotresh, Harish MakriNimbegondi; DEVENDRACHARI, MRUTHYUNJAYACHARI CHATTANAHALLI; Khan, Fasiulla
Title Synthesis and Electrochemical Investigation of Tetra Amino Cobalt (II) Phthalocyanine functionalized Polyaniline Nanofiber for the Selective Detection of Dopamine
Citation Electroanalysis.
Publisher Wiley
URI <https://doi.org/10.1002/elan.202000067>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4636>
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Earth and Climate Science

Author(s) Chattopadhyay, Debarati; KELLA, VENU GOPAL S.; CHATTOPADHYAY, DEVAPRIYA
Title Effectiveness of small size against drilling predation: Insights from lower Miocene faunal assemblage of Quilon Limestone, India
Citation Palaeogeography, Palaeoclimatology, Palaeoecology, 551.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.palaeo.2020.109742>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4648>
Date of Publication 2020-08

Author(s) DANISH, MOHD; TRIPATHY, GYANA RANJAN; Rahaman, Waliur
Title Submarine groundwater discharge to a tropical coastal lagoon (Chilika lagoon, India): An estimation using Sr isotopes
Citation Marine Chemistry, 224.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.marchem.2020.103816>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4635>
Date of Publication 2020-08

Author(s) MANAGAVE, SHREYAS; Shimla, P.; Yadav, Ram R.; Ramesh, R.; Balakrishnan, S.
Title Contrasting Centennial-Scale Climate Variability in High Mountain Asia Revealed by a Tree-Ring Oxygen Isotope Record From Lahaul-Spiti
Citation Geophysical Research Letters, 47(4).
Publisher American Geophysical Union
URI <https://doi.org/10.1029/2019GL086170>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4595>
Date of Publication 2020-02

Author(s) Nuruzzama, Mohammad; Rahaman, Waliur; TRIPATHY, GYANA RANJAN; Mohan, Rahul; Patil, Shramik
Title Dissolved major ions, Sr and $^{87}\text{Sr}/^{86}\text{Sr}$ of coastal lakes from Larsemann hills, East Antarctica: Solute sources and chemical weathering in a polar environment
Citation Hydrological Processes, 34(11), 2351-2364.
Publisher Wiley
URI <https://doi.org/10.1002/hyp.13734>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4634>
Date of Publication 2020-05

Mathematics

Author(s) BHAKTA, MOUSOMI; Phuoc-Tai Nguyen
Title On the existence and multiplicity of solutions to fractional Lane-Emden elliptic systems involving measures
Citation Advances in Nonlinear Analysis, 9(1), 1480-1503.
Publisher Walter de Gruyter GmbH
URI <https://doi.org/10.1515/anona-2020-0060>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4612>
Date of Publication 2020-03

Author(s) Kulshrestha, Amit; SINGH, ANUPAM
Title Computing n-th roots in SL_2 and Fibonacci polynomials
Citation Proceedings -Mathematical Sciences, 130(1).
Publisher Indian Academy of Sciences
URI <https://doi.org/10.1007/s12044-020-0559-8>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4594>
Date of Publication 2020-04

Physics

Author(s) ANANTH, SUDARSHAN; Nicolai, Hermann; PANDEY, CHETAN; PANT, SAURABH
Title Supersymmetric Yang-Mills theories: not quite the usual perspective
Citation Journal of Physics A: Mathematical and Theoretical, 53(17).
Publisher IOP Publishing Ltd.
URI <https://doi.org/10.1088/1751-8121/ab7b9d>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4586>
Date of Publication 2020-04

Author(s) BISWAS, ABHIJIT; SENGUPTA, ARUNDHATI; RAJPUT, UMASHANKAR; SINGH, SACHIN KUMAR; Antad, Vivek; HOSSAIN, SK MUJAFFAR; PARMAR, SWATI; ROUT, DIBYATA; DESHPANDE, APARNA; NAIR, SUNIL; OGALE, SATISHCHANDRA
Title Growth, Properties, and Applications of Pulsed Laser Deposited Nanolaminate Ti_3AlC_2 Thin Films
Citation Physical Review Applied, 13(4).
Publisher American Physical Society
URL <https://doi.org/10.1103/PhysRevApplied.13.044075>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4588>
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Author(s) Chakraborty, Soumangsu; Chowdhury, Subham Dutta; GOPALKA, TUSHAR; Kundu, Suman; Minwalla, Shiraz; Mishra, Amiya
Title Classification of all 3 particle S-matrices quadratic in photons or gravitons
Citation Journal of High Energy Physics, 2020(4).
Publisher Springer
URL [https://doi.org/10.1007/JHEP04\(2020\)110](https://doi.org/10.1007/JHEP04(2020)110)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4593>
Date of Publication 2020-04

Author(s) CMS Collaboration; Sirunyan, A.,M.; DUBE, S.; HEGDE, V.; KANSAL, B.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.
Title Measurement of properties of $B_s^0 \rightarrow \mu^+ \mu^-$ decays and search for $B^0 \rightarrow \mu^+ \mu^-$ with the CMS experiment
Citation Journal of High Energy Physics, 2020(4).
Publisher Springer
URL [https://doi.org/10.1007/JHEP04\(2020\)188](https://doi.org/10.1007/JHEP04(2020)188)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4606>
Date of Publication 2020-04

Author(s) CMS Collaboration; Sirunyan, A.M.; DUBE, S.; KANSAL, B.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.
Title Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV
Citation Journal of Instrumentation, 15(2).
Publisher IOP Publishing
URL <https://doi.org/10.1088/1748-0221/15/02/P02027>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4600>
Date of Publication 2020-02

Author(s) CMS Collaboration; Sirunyan, A.,M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.
Title Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV
Citation Journal of High Energy Physics, 2020(4).
Publisher Springer
URL [https://doi.org/10.1007/JHEP04\(2020\)171](https://doi.org/10.1007/JHEP04(2020)171)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4637>
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Author(s) CMS Collaboration; Sirunyan, A.M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.

Title A multi-dimensional search for new heavy resonances decaying to boosted W W, W Z , or Z Z boson pairs in the dijet final state at 13 TeV

Citation European Physical Journal C, 80(3).

Publisher Springer

URL <https://doi.org/10.1140/epjc/s10052-020-7773-5>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4642>

Date of Publication 2020-04

Author(s) CMS Collaboration; Sirunyan, A.M.; DUBE, S.; KANSAL, B.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.

Title Constraints on the X_{c1} versus X_{c2} Polarizations in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV

Citation Physical Review Letters, 124(16).

Publisher American Physical Society

URL <https://doi.org/10.1103/PhysRevLett.124.162002>

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Date of Publication 2020-04

Author(s) CMS Collaboration; Sirunyan, A.M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, S. et al.

Title Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV

Citation European Physical Journal C, 80(3).

Publisher Springer

URL <https://doi.org/10.1140/epjc/s10052-020-7739-7>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4646>

Date of Publication 2020-03

Author(s) Dey, K.; Sauerland, S.; Werner, J.; Skourski, Y.; Abdel-Hafiez, M.; BAG, R.; SINGH, SURJEET; Klingeler, R.

Title Magnetic phase diagram and magnetoelastic coupling of NiTiO₃

Citation Physical Review B, 101(19).

Publisher American Physical Society

URL <https://doi.org/10.1103/PhysRevB.101.195122>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4640>

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Author(s) Inbasekar, Karthik; JAIN, SACHIN; MALVIMAT, VINAY; MEHTA, ABHISHEK; Nayak, Pranjali; Sharma, Tarun
Title Correlation functions in N=2 Supersymmetric vector matter Chern-Simons theory
Citation Journal of High Energy Physics, 2020(4).
Publisher Springer
URL [https://doi.org/10.1007/JHEP04\(2020\)207](https://doi.org/10.1007/JHEP04(2020)207)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4641>
Date of Publication 2020-04

Author(s) JOSHI, NIHARIKA; GAURAV, C.; BALLAV, NIRMALYA; GHOSH, PRASENJIT
Title Tuning electronic and magnetic properties of the graphone/Ni(111) interface by oxygen intercalation: A first-principles prediction
Citation Physical Review B, 101(19).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevB.101.195401>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4602>
Date of Publication 2020-05

Author(s) Kolekar, S. K.; Godbole, R. V.; Godbole, V. P.; DHARMADHIKARI, C. V.
Title Electron transport across nanocrystalline diamond films: Field emission and conducting atomic force microscopic investigations
Citation AIP Advances, 10(4).
Publisher American Institute of Physics
URL <https://doi.org/10.1063/1.5142565>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4604>
Date of Publication 2020-04

Author(s) Odling, Gylen; Chatzisyseon, Efthalia; Karve, Priyadarshini; OGALE, SATISHCHANDRA ; Ivaturi, Aruna; Robertson, Neil
Title Naturally derived carbon for E. coli and arsenic removal from water in rural India
Citation Environmental Technology & Innovation, 18.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.eti.2020.100661>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4645>
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Author(s) PANDEY, PADMINI; SENGUPTA, ARUNDHATI; PARMAR, SWATI; BANSODE, UMESH; Gosavi, Suresh; SWARNKAR, ABHISHEK; MUDULI, SUBAS; Mohite, Aditya D.; OGALE, SATISHCHANDRA

Title CsPbBr₃-Ti₃C₂T_x MXene QD/QD Heterojunction: Photoluminescence Quenching, Charge Transfer, and Cd Ion Sensing Application

Citation ACS Applied Nano Materials, 3(4), 3305-3314.

Publisher American Chemical Society

URL <https://doi.org/10.1021/acsnm.0c00051>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4638>

Date of Publication 2020-03

Author(s) Prando, Giacomo; TELANG, PRACHI; Wilson, Stephen D.; Graf, Michael J.; SINGH, SURJEET

Title Monopole-limited nucleation of magnetism in Eu₂Ir₂O₇

Citation Physical Review B, 101(17).

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URL <https://doi.org/10.1103/PhysRevB.101.174435>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4632>

Date of Publication 2020-05

Author(s) SENGUPTA, ARUNDHATI; Rao, B. V. Bhaskara; SHARMA, NEHA; PARMAR, SWATI; CHAVAN, VINILA; SINGH, SACHIN KUMAR; Kale, Sangeeta; OGALE, SATISHCHANDRA

Title Comparative evaluation of MAX, MXene, NanoMAX, and NanoMAX-derived-MXene for microwave absorption and Li ion battery anode applications

Citation Nanoscale, 12(15), 8466-8476.

Publisher Royal Society of Chemistry

URL <https://doi.org/10.1039/C9NR10980C>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/4605>

Date of Publication 2020-04

Author(s) SINGH, DIPTI UMED; BHOITE, OMKAR; Narayanan, Remya

Title Temperature tunable optical transmission using IR based 1D photonic crystals of VO₂ nanostructures

Citation Journal of Physics D: Applied Physics, 53(24).

Publisher IOP Publishing

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