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Monthly Bulletin of Publications:
Faculty, Scientists and Students of IISER Pune.
March 2021

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Book Chapter

Author(s)	Deokar, Megha D.; Kulkarni, Amruta; Garnaik, Baijayantimala; Lele, Ashish K.; SIVARAM, SWAMINATHAN
Title	Aliphatic polyesters with novel molecular architectures via ring-opening polymerization: synthesis, properties, and applications
Book Title	Macromolecular Engineering: Design, Synthesis and Application of Polymers, 163-208.
Publisher	Elsevier B.V.
URI	https://doi.org/10.1016/B978-0-12-821998-0.00010-7
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5763
Date of Publication	2021-02

Book Review

Author(s)	CHATTOPADHYAY, DEVAPRIYA
Title	Actualistic Taphonomy in South America.
Citation	Ameghiniana, 58(1), 72-73.
Publisher	BioOne
URI	https://doi.org/10.5710/1851-8044-58.1.72
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5708
Date of Publication	2021-03

JOURNAL ARTICLES

BIOLOGY

Author(s)	CHAKRAVARTY, VAISHALI; ANANDI, LIBI; ASHIQ, K. A.; ABHIJITH, K.; UMESH, RINTU; LAHIRI, MAYURIKA
Title	Prolonged Exposure to Platelet Activating Factor Transforms Breast Epithelial Cells
Citation	Frontiers in Genetics.
Publisher	Frontiers Media S.A.
URI	https://doi.org/10.3389/fgene.2021.634938
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5757
Date of Publication	2021-03

Author(s) Dar, M. Saleem; DHOLAKIA, BHUSHAN B.; Kulkarni, Abhijeet P.; Oak, Pranjali S.; Shanmugam, Dhanasekaran; Gupta, Vidya S.; Giri, Ashok P.
Title Influence of domestication on specialized metabolic pathways in fruit crops
Citation Planta, 253.
Publisher Springer Nature
URI <https://doi.org/10.1007/s00425-020-03554-4>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5699>
Date of Publication 2021-02

Author(s) Gupta, Mohak; MOHANTA, SAPTARSHI SOHAM et al.
Title Transmission dynamics of the COVID-19 epidemic in India and modeling optimal lockdown exit strategies
Citation International Journal of Infectious Diseases, 103, 579-589.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.ijid.2020.11.206>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5717>
Date of Publication 2021-02

Author(s) Kedia, Shekhar; RAMAKRISHNA, PRATYUSH; NADKARNI, SUHITA et al.
Title Alteration in synaptic nanoscale organization dictates amyloidogenic processing in Alzheimer's disease
Citation iScience, 24(1).
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.isci.2020.101924>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5739>
Date of Publication 2021-01

Author(s) Kondhare, Kirtikumar R.; PATIL, NIKITA S.; BANERJEE, ANJAN K.
Title A historical overview of long-distance signalling in plants
Citation Journal of Experimental Botany.
Publisher Oxford University Press
URI <https://doi.org/10.1093/jxb/erab048>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5710>
Date of Publication 2021-03

Author(s) Kumar, Harish; UDGAONKAR, JAYANT B.
Title The Lys 280 → Gln mutation mimicking disease-linked acetylation of Lys 280 in tau extends the structural core of fibrils and modulates their catalytic properties
Citation Protein Science.
Publisher Wiley
URI <https://doi.org/10.1002/pro.4030>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5696>
Date of Publication 2021-01

Author(s) MUNGEE, MANSI; ATHREYA, RAMANA
Title Intraspecific trait variability and community assembly in hawkmoths (Lepidoptera: *Sphingidae*) across an elevational gradient in the eastern Himalayas, India
Citation Ecology and Evolution.
Publisher Wiley
URI <https://doi.org/10.1002/ece3.7054>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5722>
Date of Publication 2021-02

Author(s) Neville, Matthew D. C.; Kohze, Robin; Erady, Chaitanya; MEENA, NARENDRA; Hayden, Matthew; Cooper, David N.; Mort, Matthew; PRABAKARAN, SUDHAKARAN
Title A platform for curated products from novel open reading frames prompts reinterpretation of disease variants
Citation Genome Research, 31(2), 327-336.
Publisher Cold Spring Harbor Laboratory
URI <https://doi.org/10.1101/gr.263202.120>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5701>
Date of Publication 2021-02

Author(s) Raatz, Michael; SHAH, SAUMIL; Chitadze, Guranda; Brueggemann, Monika; Traulsen, Arne
Title The impact of phenotypic heterogeneity of tumour cells on treatment and relapse dynamics
Citation PLOS Computational Biology, 17(2).
Publisher PLOS
URI <https://doi.org/10.1371/journal.pcbi.1008702>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5726>
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Author(s) ROKADE, SUSHAMA; UPADHYA, MANOJ; Bhat, Dattatray S.; SUBHEDAR, NISHIKANT; Yajnik, Chittaranjan S.; GHOSE, AURNAB; RATH, SATYAJIT; BAL, VINEETA
Title Transient systemic inflammation in adult male mice results in underweight progeny
Citation American Journal of Reproductive Immunology.
Publisher Wiley
URI <https://doi.org/10.1111/aji.13401>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5742>
Date of Publication 2021-02

Author(s) Sidharthan, Arya; Raghavan, Rajeev; Anoop, V.K.; KESKAR, ASHWINI; DAHANUKAR, NEELESH
Title Phylogenetic position and relationships of mountain loaches (Teleostei: Balitoridae) of the Western Ghats as revealed by CO1 sequences
Citation Zootaxa, 4926(1), 79-92.
Publisher Magnolia Press
URI <https://doi.org/10.11646/zootaxa.4926.1.5>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5740>
Date of Publication 2021-02

Author(s) SINGH, NISHANT; Bartol, Thomas; Levine, Herbert; Sejnowski, Terrence; NADKARNI, SUHITA
Title Presynaptic endoplasmic reticulum regulates short-term plasticity in hippocampal synapses
Citation Communications Biology, 4(1).
Publisher Springer Nature
URI <https://doi.org/10.1038/s42003-021-01761-7>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5748>
Date of Publication 2021-02

Author(s) SIWACH, MANISHA; Kumar, Lokesh; Palani, Saravanan; Muraleedharan, Samada; Panis, Gael; Fumeaux, Coralie; Mony, Binny M.; Sanyal, Soumyajit; Viollier, Patrick H.; RADHAKRISHNAN, SUNISH KUMAR
Title An organelle-tethering mechanism couples flagellation to cell division in bacteria
Citation Developmental Cell, 56(5), 657-670.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.devcel.2021.01.013>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5756>
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CHEMISTRY

Author(s) Bajaj, Sonam; JAIN, VANSHIKA; Sharma, Niharika; Tiwari, Shelja; Saxena, Reena
Title Efficient lead preconcentration using two chemically functionalized carbon nanotubes in hyphenated flow injection-flame atomic absorption spectrometry system
Citation Journal of Chromatography A, 1638.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.chroma.2021.461888>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5716>
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Author(s) BHAT, ZAHID MANZOOR; THIMMAPPA, RAVIKUMAR; DARGILY, NEETHU CHRISTUDAS; RAAFIK, ABDUL; KOTTAICHAMY, ALAGAR RAJA; DEVENDRACHARI, MRUTHYUNJAYACHARI CHATTANAHALLI; ITAGI, MAHESH; Kotresh, Harish Makri Nimbegondi; Freunberger, Stefan A.; THOTIYL, MUSTHAFA OTTAKAM
Title Ambient Condition Alcohol Reforming to Hydrogen with Electricity Output
Citation ACS Sustainable Chemistry & Engineering, 9(8), 3104-3111.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acssuschemeng.0c07547>
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Author(s) CHAKRABORTY, INDRA NARAYAN; ROY, PRADYUT; RAO, ANISH; DEVATHA, GAYATHRI; ROY, SOUMENDU; PILLAI, PRAMOD P.
Title The unconventional role of surface ligands in dictating the light harvesting properties of quantum dots
Citation Journal of Materials Chemistry A, 9(12), 7422-7457.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D0TA12623C>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5768>
Date of Publication 2021-03

Author(s) DAS, KONOYA; Sappati, Subrahmanyam; BISHT, GIRISH SINGH; HAZRA, PARTHA
Title Proton-Coupled Electron Transfer in the Aqueous Nanochannels of Lyotropic Liquid Crystals: Interplay of H-Bonding and Polarity Effects
Citation Journal of Physical Chemistry Letters, 12(10), 2651-2659.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcllett.1c00207>
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Author(s) DEY, SANJIT; MISRA, RAJKUMAR; SASEENDRAN, ABHIJITH; PAHAN, SAIKAT; GOPI, HOSAHUDYA N.
Title Metal-Coordinated Supramolecular Polymers from the Minimalistic Hybrid Peptide Foldamers
Citation Angewandte Chemie International Edition.
Publisher Wiley
URI <https://doi.org/10.1002/anie.202015838>
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Author(s) FALL, BALLA; Diaw, Abdou K.D.; Fall, Modou; Sall, Mohamed L.; Lo, Momath; Gningue-Sall, Diariatou; THOTIYL, MUSTHAFA OTTAKAM; Maria, Hanna J.; Kalarikkal, Nandakumar; Thomas, Sabu
Title Synthesis of highly sensitive rGO@CNT@Fe₂O₃/polypyrrole nanocomposite for the electrochemical detection of Pb²⁺
Citation Materials Today Communications, 26.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.mtcomm.2020.102005>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5713>
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Author(s) GAUTAM, MANU; BHAT, ZAHID M.; RAAFIK, ABDUL; Vot, Steven Le; DEVENDRACHARI, MRUTHUNJAYACHARI C.; KOTTAICHAMY, ALAGAR RAJA; DARGILY, NEETHU CHRISTUDAS; THIMMAPPA, RAVIKUMAR; Fontaine, Olivier; THOTIYL, MUSTHAFA OTTAKAM
Title Coulombic Force Gated Molecular Transport in Redox Flow Batteries
Citation Journal of Physical Chemistry Letters, 12(5), 1374-1383.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcllett.0c03584>
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Date of Publication 2021-02

Author(s) JAIN, PRASHANT; SHANTHAMURTHY, CHETHAN D.; Ben-Arye, Shani Leviatan; Woods, Robert J.; KIKKERI, RAGHAVENDRA; Padler-Karavani, Vered
Title Discovery of rare sulfated N-unsubstituted glucosamine based heparan sulfate analogs selectively activating chemokines
Citation Chemical Science, 12(10), 3674-3681.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D0SC05862A>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5694>
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Author(s) JAIN, PRASHANT; SHANTHAMURTHY, CHETHAN D.; CHAUDHARY, PREETI MADHUKAR; KIKKERI, RAGHAVENDRA
Title Rational designing of glyco-nanovehicles to target cellular heterogeneity
Citation Chemical Science, 12(11), 4021-4027.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D1SC00140J>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5695>
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Author(s) KURIAKOSE, NISHAMOL; MOHAN, ASWATHI T.; GHOSH, PRASENJIT
Title Coverage dependent CO₂ activation on Ti₂C(111) surface: Effect of intrinsic subsurface Carbon vacancies
Citation Surface Science, 706
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.susc.2021.121798>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5724>
Date of Publication 2021-04

Author(s) KUSHWAHA, RINKU; HALDAR, SATTWICK; SHEKHAR, PRAGALBH; KRISHNAN, AKSHARA; Saha, Jayeeta; Hui, Pramiti; Vinod, Chathakudath Prabhakaran; Subramaniam, Chandramouli; VAIDHYANATHAN, RAMANATHAN
Title Exceptional Capacitance Enhancement of a Non-Conducting COF through Potential-Driven Chemical Modulation by Redox Electrolyte
Citation Advanced Energy Materials.
Publisher Wiley
URI <https://doi.org/10.1002/aenm.202003626>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5702>
Date of Publication 2021-02

Author(s) Liu, Ying; NAG, ANGSUMAN; Manna, Liberato; Xia, Zhiguo
Title Lead-Free Double Perovskite Cs₂AgInCl₆
Citation Angewandte Chemie International Edition.
Publisher Wiley
URI <https://doi.org/10.1002/anie.202011833>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5698>
Date of Publication 2021-01

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Author(s) MISHRA, BIJOYANANDA; MANMODE, SUJIT; WALKE, GULAB; CHAKRABORTY, SAPTASHWA; NERALKAR, MAHESH; HOTH, SRINIVAS
Title Synthesis of the hyper-branched core tetrasaccharide motif of chloroviruses
Citation Organic & Biomolecular Chemistry, 19(6), 1315-1328.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D0OB02176H>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5730>
Date of Publication 2021-02

Author(s) RAO, ANISH; ROY, SOUMENDU; PILLAI, PRAMOD P.
Title Temporal Changes in Interparticle Interactions Drive the Formation of Transiently Stable Nanoparticle Precipitates
Citation Langmuir, 37(5), 1843-1849.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.langmuir.0c03239>
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Date of Publication 2021-02

Author(s) RAVI, VIKASH KUMAR; Yu, Seong Hoon; RAJPUT, PARIKSHIT KUMAR; Nayak, Chandrani; Bhattacharyya, Dibyendu; Chung, Dae Sung; NAG, ANGSUMAN
Title Colloidal BaZrS₃ chalcogenide perovskite nanocrystals for thin film device fabrication
Citation Nanoscale, 13(3), 1616-1623.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D0NR08078K>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5697>
Date of Publication 2021-01

Author(s) SEN, NILANJANA; KHAN, SHABANA
Title Heavier Tetrylenes as Single Site Catalysts
Citation Chemistry-An Asian Journal.
Publisher Wiley
URI <https://doi.org/10.1002/asia.202100038>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5746>
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Author(s) WALKE, GULAB; KASDEKAR, NITESH LAL; SUTAR, YOGESH; HOTH, SRINIVAS
Title Silver-assisted gold-catalyzed formal synthesis of the anticoagulant Fondaparinux pentasaccharide
Citation Communications Chemistry, 4.
Publisher Springer Nature
URI <https://doi.org/10.1038/s42004-021-00452-y>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5720>
Date of Publication 2021-02

Author(s) YADAV, RANJANA; Bhattacharyya, Biswajit; Saha, Subham Kumar; Dutta, Pranab; Roy, Parna; Rajasekar, Guru Pratheep; Narayan, Awadhesh; Pandey, Anshu
Title Electronic Structure Insights into the Tunable Luminescence of $\text{CuAl}_x\text{Fe}_{1-x}\text{S}_2/\text{ZnS}$ Nanocrystals
Citation Journal of Physical Chemistry C, 125(4), 2511-2518.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.0c09009>
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EARTH AND CLIMATE SCIENCE

Author(s) BHATTACHERJEE, MADHURA; CHATTOPADHYAY, DEVAPRIYA; Som, Bidisha; Sankar, Ammu S.; Mazumder, Satyaki
Title Molluscan live-dead fidelity of a storm-dominated shallow-marine setting and its implications.
Citation Palaios, 36(2), 77-93.
Publisher Society for Sedimentary Geology
URI <https://doi.org/10.2110/palo.2020.020>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5760>
Date of 2021-03

Author(s) Das, Satyabrata; TRIPATHY, GYANA RANJAN; Rai, Santosh K.; DANISH, MOHD; Thakur, Divya; Dutt, Som; Sarangi, Shushanta
Title The Role of Sulfuric Acid in Continental Weathering: Insights From Dissolved Major Ions and Inorganic Carbon Isotopes of the Teesta River, Lower Brahmaputra System
Citation Geochemistry, Geophysics, Geosystems, 22(4).
Publisher Wiley
URI <https://doi.org/10.1029/2020GC009324>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5766>
Date of 2021-04

MATHEMATICS

Author(s) Adler, Jeffrey D.; MISHRA, MANISH
Title Regular Bernstein blocks
Citation Journal für die reine und angewandte Mathematik.
Publisher De Gruyter
URI <https://doi.org/10.1515/crelle-2021-0010>
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Author(s) Biswas, Indranil; Dey, Arijit; PODDAR, MAINAK; Rayan, Steven
Title Toric co-Higgs bundles on toric varietie
Citation Illinois Journal of Mathematics, 65(1),181-190.
Publisher Duke University Press
URI <https://doi.org/10.1215/00192082-8827663>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5771>
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Author(s) Coban, Hatice; Hacıyusufoglu, Cagri; PODDAR, MAINAK
Title A construction of SKT manifolds using toric geometry
Citation Boletín de la Sociedad Matemática Mexicana, 27.
Publisher Springer Nature
URI <https://doi.org/10.1007/s40590-021-00323-5>
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Date of Publication 2021-02

PHYSICS

- Author(s)** ANAND, ABHISHEK; Jain, J. K.; SREEJITH, G. J.
Title Exactly Solvable Model for Strongly Interacting Electrons in a Magnetic Field
Citation Physical Review Letters, 126(13).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevLett.126.136601>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5754>
Date of Publication 2021-04
- Author(s)** Banerjee, Nabamita; BHATTACHARJEE, ARINDAM; Mitra, Arpita
Title Classical Soft Theorem in the AdS-Schwarzschild spacetime in small cosmological constant limit
Citation Journal of High Energy Physics, 2021(1).
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URI [https://doi.org/10.1007/JHEP01\(2021\)038](https://doi.org/10.1007/JHEP01(2021)038)
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- Author(s)** Bhamu, K. C.; Haque, Enamul; Praveen, C. S.; Kumar, Nandha; Yumnam, G.; Hossain, Md. Anwar; SHARMA, GAUTAM
Title Improving the optical and thermoelectric properties of Cs₂InAgCl₆ with heavy substitutional doping: a DFT insight
Citation RSC Advances, 11(10), 5521-5528.
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- Author(s)** BHATKAR, SAYALI ATUL
Title New asymptotic conservation laws for electromagnetism
Citation Journal of High Energy Physics, 2021(2).
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP02\(2021\)082](https://doi.org/10.1007/JHEP02(2021)082)
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Author(s) Bose, R. S. C.; Sheoran, V.; Vaishnavi, P. S. H.; Prem, D. S.; CHAKRAVARTY, S.; Raman, R.; Babu, D. A.; Saharan, Pratibha; NAIR, SUNIL; Ram, J.

Title Anisotropic thermoelectric transport in textured $Sb_{1.5}Bi_{0.5}Te_3$ nanomaterial synthesized by facile bottom-up physical process

Citation Journal of Alloys and Compounds, 859.

Publisher Elsevier B.V.

URI <https://doi.org/10.1016/j.jallcom.2020.157828>

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Author(s) Bretscher, Hope M.; Andrich, Paolo; TELANG, PRACHI; SINGH, ANUPAM; HARNAGEA, LUMINITA; Sood, A. K.; Rao, Akshay

Title Ultrafast melting and recovery of collective order in the excitonic insulator Ta_2NiSe_5

Citation Nature Communications, 12.

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Author(s) CHAUBEY, SHAIENDRA K.; GOKUL M. A.; PAUL, DIPTABRATA; TIWARI, SUNNY; RAHMAN, ATIKUR; KUMAR, G.V. PAVAN

Title Directional Emission from WS_2 Monolayer Coupled to Plasmonic Nanowire-on-Mirror Cavity

Citation Advanced Photonics Research.

Publisher Wiley

URI <https://doi.org/10.1002/adpr.202100002>

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Author(s) CHIRAKKARA, RADHIKA ACHIKANATH; Federrath, Christoph; Trivedi, Pranjal; Banerjee, Robi

Title Efficient Highly Subsonic Turbulent Dynamo and Growth of Primordial Magnetic Fields

Citation Physical Review Letters, 126(9).

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

Title Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies

Citation Physics Letters B, 813.

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URI <https://doi.org/10.1016/j.physletb.2020.136036>

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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 Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV

Citation Journal of High Energy Physics, 2020(03).

Publisher Springer Nature

URI [https://doi.org/10.1007/JHEP03\(2020\)051](https://doi.org/10.1007/JHEP03(2020)051)

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Title The very forward CASTOR calorimeter of the CMS experiment

Citation Journal of Instrumentation, 16.

Publisher IOP Publishing

URI <https://doi.org/10.1088/1748-0221/16/02/P02010>

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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 Evidence for Higgs boson decay to a pair of muons

Citation Journal of High Energy Physics, 2021(1).

Publisher Springer Nature

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DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5750>

Date of Publication 2021-01

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Date of Publication 2021-03

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