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

Inventor/Creator	BRITTO, SANDANARAJ S.; BHANDARI, PAVANKUMAR JANARDHAN; REDDY, MULLAPUDI MOHAN
Title	Supramolecular protein assemblies with advanced functions and synthesis thereof
Patent No.	US11173212B2
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/5762
Date of Publication	2021-11

Book Review

Author(s)	THOMAS, BEJOY K.
Title	The Spirit of Green: The Economics of Collisions and Contagions in a Crowded World
Citation	Current Science, 121(10), 1361-1362.
Publisher	Indian Academy of Sciences
URI	https://www.currentscience.ac.in/Volumes/121/10/1361.pdf
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6389
Date of Publication	2021-11

Journal Articles

BIOLOGY

Author(s)	Awathale, Sanjay N.; Waghade, Akash M.; Kawade, Harish M.; Jadhav, Gouri; CHOUDHARY, AMIT G.; Sagarkar, Sneha; Sakharkar, Amul J.; SUBHEDAR, NISHIKANT K.; Kokare, Dadasaheb M
Title	Neuroplastic Changes in the Superior Colliculus and Hippocampus in Self-rewarding Paradigm: Importance of Visual Cues
Citation	Molecular Neurobiology.
Publisher	Springer Nature
URI	https://doi.org/10.1007/s12035-021-02597-2
DR URI	http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6414
Date of Publication	2021-11

Author(s) NERU, ARUN; ASSISI, COLLINS
Title Theta Oscillations Gate the Transmission of Reliable Sequences in the Medial Entorhinal Cortex
Citation Eneuro, 8(3).
Publisher The Society for Neuroscience
URI <https://doi.org/10.1523/ENEURO.0059-20.2021>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6404>
Date of Publication 2021-05

Author(s) Patel, Chirag; Patel, Priyanshi; SARKAR, DIPTA; Bulsara, Jeshica; Soni, Arun; Isapure, Kiran; Acharya, Sanjeev
Title Neuroprotective Effect of Lutein in Scopolamine-Induced Alzheimer's Disease in Mice and Zebrafish
Citation Revista Brasileira de Farmacognosia.
Publisher Springer Nature
URI <https://doi.org/10.1007/s43450-021-00202-0>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6376>
Date of Publication 2021-10

Author(s) SINGH, SHUBHAM; KAMAT, SIDDHESH S.
Title The loss of enzymatic activity of the PHARC associated lipase ABHD12 results in increased phagocytosis that causes neuroinflammation
Citation European Journal of Neuroscience, 54(10), 7442-7457.
Publisher Wiley
URI <https://doi.org/10.1111/ejn.15516>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6396>
Date of Publication 2021-11

CHEMISTRY

Author(s) ARFIN, HABIBUL; NAG, ANGSHUMAN
Title Origin of Luminescence in Sb³⁺ and Bi³⁺-Doped Cs₂SnCl₆ Perovskites: Excited State Relaxation and Spin-Orbit Coupling
Citation Journal of Physical Chemistry Letters, 12(41), 10002-10008.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcllett.1c02973>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6418>
Date of Publication 2021-10

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Author(s) CHAKRABORTY, RAYAN; GHOSH, PRASENJIT
Title Mechanistic insights of hydrogen evolution reaction on quaternary earth-abundant chalcogenide Cu₂BaSnS₄ from first principles
Citation Applied Surface Science, 570,151049.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.apsusc.2021.151049>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6419>
Date of Publication 2021-12

Author(s) CHATTERJEE, JOY; CHATTERJEE, ABHIJIT; HAZRA, PARTHA
Title Intrinsic-to-extrinsic emission tuning in luminescent Cu nanoclusters by in situ ligand engineering
Citation Physical Chemistry Chemical Physics, 23(45), 25850-25865.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D1CP03596G>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6395>
Date of Publication 2021-12

Author(s) GUPTA, RISHABH; SAHOO, SUPRIYA; DESWAL, SWATI; Kothavade, Premkumar; Dixit, Prashant; Zareba, Jan K.; Shanmuganathan, Kahiravan; BOOMISHANKAR, RAMAMOORTHY
Title A Flexible Energy Harvester from an Organic Ferroelectric Ammonium Salt
Citation Chemistry-An Asian Journal.
Publisher Wiley
URI <https://doi.org/10.1002/asia.202101128>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6397>
Date of Publication 2021-10

Author(s) KUMAR, VIKAS; Gonnade, Rajesh G.; Yildiz, Cem B.; MAJUMDAR, MOUMITA
Title Stabilization of the Elusive Antimony(I) Cation and Its Coordination Complexes with Transition Metals
Citation Angewandte Chemie International Edition, 60(48), 25522-25529.
Publisher Wiley
URI <https://doi.org/10.1002/anie.202111339>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6374>
Date of Publication 2021-11

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Author(s) LET, SUMANTA; DUTTA, SUBHAJIT; SAMANTA, PARTHA; SHARMA, SHIVANI; GHOSH, SUJIT
Title Magnetic Nanoparticle-Embedded Ionic Microporous Polymer Composite as an Efficient Scavenger of Organic Micropollutants
Citation ACS Applied Materials & Interfaces, 13(43), 51474-51484.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acsami.1c14819>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6394>
Date of Publication 2021-11

Author(s) MALLA, JAVID AHMAD; AHMAD, MANZOOR; TALUKDAR, PINAKI
Title Molecular Self-Assembly as a Tool to Construct Transmembrane Supramolecular Ion Channels
Citation Chemical Record.
Publisher Wiley
URI <https://doi.org/10.1002/tcr.202100225>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6399>
Date of Publication 2021-11

Author(s) MAQBOOL, SHABNUM; SHEIKH, TARIQ; THEKKAYIL, ZIYAD; DESWAL, SWATI; BOOMISHANKAR, RAMAMOORTHY; NAG, ANGSHUMAN; MANDAL, PANKAJ
Title Third Harmonic Upconversion and Self-Trapped Excitonic Emission in 1D Pyridinium Lead Iodide
Citation Journal of Physical Chemistry C, 125, 41, 22674-22683.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.1c07639>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6417>
Date of Publication 2021-10

Author(s) MUKHERJEE, SOUMYA; DUTTA, SUBHAJIT; MORE, YOGESHWAR D.; FAJAL, SAHEL; GHOSH, SUJIT K.
Title Post-synthetically modified metal-organic frameworks for sensing and capture of water pollutants
Citation Dalton Transactions.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D1DT02862F>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6412>
Date of Publication 2021-10

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Author(s) NAG, ANGSUMAN
Title "Plenty of Room" at the Interface of Hybrid Metal Halide Perovskite Single Crystals
Citation Nano Letters, 21(20), 8529-8531.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.nanolett.1c03247>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6409>
Date of Publication 2021-11

Author(s) Pandit, Sarwar Ahmad; BHAT, ZAHID MANZOOR; THOTIYL, MUSTHAFA OTTAKAM et al.
Title Surface Active Ionic Liquid Assisted Metal-Free Electrocatalytic-Carboxylation in Aqueous phase: A Sustainable approach for CO₂ utilization paired with electro-detoxification of Halocarbons
Citation Green Chemistry.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D1GC03412J>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6382>
Date of Publication 2021-11

Author(s) Poonia, Ajay K.; Shrivastava, Megha; MIR, WASIM J.; Aneesh, J.; NAG, ANGSUMAN; Adarsh, K. V.
Title Intervalley polaronic biexcitons in metal halide perovskite quantum dots
Citation Physical Review B, 104(16).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevB.104.L161407>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6422>
Date of Publication 2021-10

Author(s) TIWARI, OM SHANKER
Title Synthesis, characterization, and investigation of capacitance and redox properties of self-assembled Phe-Phe with ferrocene conjugates
Citation Molecular Systems Design & Engineering.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D1ME00115A>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6398>
Date of Publication 2021-10

Author(s) Yudina, Olga N.; Gening, Marina L.; TALUKDAR, PINAKI; Gerbst, Alexey G.; Tsvetkov, Yury E.; Nifantiev, Nikolay E.
Title Synthesis of a cyclic tetramer of 3-amino-3-deoxyallose with axially oriented amino groups
Citation Carbohydrate Research, 511, 108476.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.carres.2021.108476>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6413>
Date of Publication 2022-01

EARTH AND CLIMATE SCIENCE

Author(s) Srivastava, D. K.; DAVE, ALOK; Dangwal, V.
Title Sequence stratigraphy of the Andaman Basin, northern Indian Ocean
Citation Marine and Petroleum Geology, 133, 105298.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.marpetgeo.2021.105298>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6373>
Date of Publication 2021-11

MATHEMATICS

Author(s) BHIMANI, DIVYANG G.; Okoudjou, Kasso A.
Title Bimodal Wilson systems in $L^2(\mathbb{R})$
Citation Journal of Mathematical Analysis and Applications, 505(1), 125480.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.jmaa.2021.125480>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6372>
Date of Publication 2022-01

Author(s) Bhunia, Sushil; SINGH, ANUPAM
Title z-classes in groups: a survey
Citation Indian Journal of Pure and Applied Mathematics.
Publisher Springer Nature
URI <https://doi.org/10.1007/s13226-021-00186-6>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6383>
Date of Publication 2021-11

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Author(s) Kadu, Ganesh S.; Joshi, Vinayak; GONDE, SAMRUDDHA
Title On Weakly Perfect Annihilating-Ideal Graphs
Citation Bulletin of the Australian Mathematical Society, 104(3), 362-372.
Publisher Cambridge University Press
URI <https://doi.org/10.1017/S0004972721000265>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6410>
Date of Publication 2021-12

PHYSICS

Author(s) ANANTH, SUDARSHAN; Brink, Lars; Majumdar, Sucheta
Title BMS algebra from residual gauge invariance in light-cone gravity
Citation Journal of High Energy Physics, 2021(11), 8.
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP11\(2021\)008](https://doi.org/10.1007/JHEP11(2021)008)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6420>
Date of Publication 2021-11

Author(s) Balasubramanian, Mahesh K. N.; PATIL, RAJ; Rudra, Arnab
Title Spinning amplitudes from scalar amplitudes
Citation Journal of High Energy Physics, 2021(11), 151.
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP11\(2021\)151](https://doi.org/10.1007/JHEP11(2021)151)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6411>
Date of Publication 2021-11

Author(s) CHAKRABORTY, RAYAN; GHOSH, PRASENJIT
Title Mechanistic insights of hydrogen evolution reaction on quaternary earth-abundant chalcogenide Cu₂BaSnS₄ from first principles
Citation Applied Surface Science, 570,151049.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.apsusc.2021.151049>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6419>
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Author(s) Chandra, Rajorshi Sushovan; SOURADEEP, TARUN
Title Primordial Power Spectrum reconstruction from CMB Weak Lensing Power Spectrum
Citation Journal of Cosmology and Astroparticle Physics, 2021(10).
Publisher IOP Publishing
URI <https://doi.org/10.1088/1475-7516/2021/10/081>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6392>
Date of Publication 2021-10

Author(s) CMS Collaboration; Sirunyan, A. M.; DUBE, SOURABH; KANSAL, B.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.
Title First measurement of the cross section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV
Citation Physics Letters B, 820, 136565.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.physletb.2021.136565>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6407>
Date of Publication 2021-09

Author(s) CMS Collaboration; Sirunyan, A. M.; DUBE, SOURABH; KANSAL, B.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.
Title Search for W bosons decaying to a top and a bottom quark at $\sqrt{s} = 13$ TeV in the hadronic final state
Citation Physics Letters B, 820, 136535.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.physletb.2021.136535>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6415>
Date of Publication 2021-09

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, K.; DUBE, SOURABH; KANSAL, B.; LAHA, A.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al
Title Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $\tau\tau b\bar{b}$ final state at 13 TeV
Citation Journal of High Energy Physics, 2021(11), 57.
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP11\(2021\)057](https://doi.org/10.1007/JHEP11(2021)057)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6408>
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Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, K.; DUBE, SOURABH; KANSAL, B.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.

Title Measurements of the $pp \rightarrow W^\pm \gamma \gamma$ and $pp \rightarrow Z \gamma \gamma$ cross sections at $\sqrt{s} = 13$ TeV and limits on anomalous quartic gauge couplings

Citation Journal of High Energy Physics, 2021(18), 174.

Publisher Springer Nature

URI [https://doi.org/10.1007/JHEP10\(2021\)174](https://doi.org/10.1007/JHEP10(2021)174)

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6421>

Date of Publication 2021-10

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

Title Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV

Citation European Physical Journal C, 81, 970.

Publisher Springer Nature

URI <https://doi.org/10.1140/epjc/s10052-021-09721-5>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6385>

Date of Publication 2021-11

Author(s) GUHA, ATANU; Sen, Debashree

Title Feeble DM-SM interaction via new scalar and vector mediators in rotating neutron stars

Citation Journal of Cosmology and Astroparticle Physics, 2021.

Publisher IOP Publishing

URI <https://doi.org/10.1088/1475-7516/2021/09/027>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6375>

Date of Publication 2021-09

Author(s) Henderson, Greg J.; SREEJITH, G. J.; Simon, Steven H.

Title Entanglement action for the real-space entanglement spectra of chiral Abelian quantum Hall wave functions

Citation Physical Review B, 104(19).

Publisher American Physical Society

URI <https://doi.org/10.1103/PhysRevB.104.195434>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6424>

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Author(s) KALRA, DAYAL SINGH; SANTHANAM, M. S.
Title Inferring long memory using extreme events
Citation Chaos: An Interdisciplinary Journal of Nonlinear Science, 31(11).
Publisher AIP Publishing
URI <https://doi.org/10.1063/5.0064432>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6403>
Date of Publication 2021-11

Author(s) KUMAR, AANJANEYA; ZODAGE, ANIKET; SANTHANAM, M. S.
Title First detection of threshold crossing events under intermittent sensing
Citation Physical Review E, 104(5).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevE.104.L052103>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6402>
Date of Publication 2021-11

Author(s) LIGO Scientific Collaboration; Virgo Collaboration; Abbott, R.; RAPOL, UMAKANT D.; SOURADEEP, TARUN et al.
Title Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo
Citation Astrophysical Journal, 921(1).
Publisher IOP Publishing
URI <https://doi.org/10.3847/1538-4357/ac17ea>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6381>
Date of Publication 2021-11

Author(s) LIGO Scientific Collaboration; Virgo Collaboration; KAGRA Collaboration; Abbott, R.; RAPOL, UMAKANT D.; SOURADEEP, TARUN et al.
Title All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run
Citation Physical Review D, 104(10).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevD.104.102001>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6406>
Date of Publication 2021-11

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Author(s) NAIK, SAISMIT; Naik, Mit H.; Maity, Indrajit; Jain, Manish
Title Twister: Construction and structural relaxation of commensurate moiré superlattices
Citation Computer Physics Communications, 271, 108184.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.cpc.2021.108184>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6357>
Date of Publication 2022-02

Author(s) SADEKAR, ONKAR; BUDAMAGUNTA, MANSI; SREEJITH, G. J.; JAIN, SACHIN; SANTHANAM, M. S.
Title An infectious diseases hazard map for India based on mobility and transportation networks
Citation Current Science, 121(09), 1208-1215.
Publisher Indian Academy of Sciences
URI <https://www.currentscience.ac.in/Volumes/121/09/1208.pdf>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6401>
Date of Publication 2021-11

Author(s) SAHA, SAYAN; Shaikh, Shabbir | Mukherjee, Suvodip; SOURADEEP, TARUN; Wandelt, Benjamin D.
Title Bayesian estimation of our local motion from the Planck-2018 CMB temperature map
Citation Journal of Cosmology and Astroparticle Physics, 2021(10).
Publisher IOP Publishing
URI <https://doi.org/10.1088/1475-7516/2021/10/072>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6393>
Date of Publication 2021-10

Author(s) SHARMA, VANDANA; TIWARI, SUNNY; PAUL, DIPTABRATA; SAHU, RATIMANASEE; CHIKKADI, VIJAYAKUMAR; KUMAR, G V PAVAN
Title Optothermal pulling, trapping, and assembly of colloids using nanowire plasmons
Citation Soft Matter.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D1SM01365C>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6386>
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Author(s) SINGH, DIPTI UMED; Narayanan, Remya
Title Temperature tunable flexible photo absorbers based on near-infrared 1D photonic crystal hybridized W-doped VO₂ nanostructures
Citation Nanotechnology, 33(6).
Publisher IOP Publishing
URI <https://doi.org/10.1088/1361-6528/ac33d4>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6405>
Date of Publication 2021-11

Author(s) SINGH, MOHIT KUMAR; DATTA, SHOUVIK
Title Dual measurements of temporal and spatial coherence of light in a single experimental setup using a modified Michelson interferometer
Citation Review of Scientific Instruments, 92(10), 105109.
Publisher AIP Publishing
URI <https://doi.org/10.1063/5.0041438>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6336>
Date of Publication 2021-10

Author(s) Singhal, Akshat; KULKARNI, SUMEET et al.
Title Deep co-added sky from Catalina Sky Survey images
Citation Monthly Notices of the Royal Astronomical Society, 507(4), 4983-4996.
Publisher Oxford University Press
URI <https://doi.org/10.1093/mnras/stab2246>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6330>
Date of Publication 2021-11

Author(s) TANEJA, CHETNA; PAUL, DIPTABRATA; KUMAR, G. V. PAVAN
Title Experimental observation of transverse spin of plasmon polaritons in a single crystalline silver nanowire
Citation Applied Physics Letters, 119(16).
Publisher AIP Publishing
URI <https://doi.org/10.1063/5.0055788>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6339>
Date of Publication 2021-10

Author(s) TIWARI, SUNNY; Vasista, Adarsh B.; PAUL, DIPTABRATA; KUMAR, G. V. PAVAN
Title Mirror enhanced directional out-coupling of SERS by remote excitation of a nanowire-nanoparticle cavity
Citation Journal of Optics, 23(12).
Publisher IOP Publishing
URI <https://doi.org/10.1088/2040-8986/ac2dd8>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/6326>
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