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

Author(s) ANUJAN, KRISHNA; Ratnam, Jayashree; Sankaran, Mahesh
Title Chronic browsing by an introduced mammalian herbivore in a tropical island alters species composition and functional traits of forest understory plant communities
Citation Biotropica.
Publisher Wiley
URI <https://doi.org/10.1111/btp.13149>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7333>
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Author(s) DATAR, AVDHOT; PAITHANKAR, HARSHAD; Deb, Pranab; CHUGH, JEETENDER; Bagchi, Sayan; MUKHERJEE, ARNAB; HAZRA, ANIRBAN
Title Water-Controlled Keto-Enol Tautomerization of a Prebiotic Nucleobase
Citation Journal of Physical Chemistry B, 126(31), 5735-5743.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.2c02507>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7336>
Date of Publication 2022-08

Author(s) Firake, Dnyaneshwar M.; GHOSH, RITUPARNA; KUMAR, MANISH; Milton, Arockiasamy Arun Prince; Sanjukta, Raj Kumari; Behere, Gajanan T.; PANDIT, SAGAR
Title Bioactivity of Zanthoxylum armatum fruit extract against Spodoptera frugiperda and Tuta absoluta
Citation Journal of Plant Diseases and Protection.
Publisher Springer Nature
URI <https://doi.org/10.1007/s41348-022-00652-1>
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Author(s) Kundu, Jayanta; Ghosh, Atanu; Ghosh, Ujjwal; Das, Arnab; NAGAR, DHRITI; Pattanayak, Sankha; GHOSE, AURNAB; Sinha, Surajit;
Title Synthesis of Phosphorodiamidate Morpholino Oligonucleotides Using Trityl and Fmoc Chemistry in an Automated Oligo Synthesizer
Citation Journal of Organic Chemistry, 87(15), 9466-9478.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.joc.2c00265>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7306>
Date of Publication 2022-07

Author(s) NAG, SURYADEEPTO; BHAT, ANANDA SHIKHARA
Title A colony-level optimization model provides a potential mechanism for the evolution of novel castes in eusocial ant colonies
Citation Heliyon, 8(7), e09882.
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URI <https://doi.org/10.1016/j.heliyon.2022.e09882>
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Author(s) PILLAI, ANUP GOPALAKRISHNA; NADKARNI, SUHITA
Title Amyloid pathology disrupts gliotransmitter release in astrocytes
Citation PLOS Computational Biology, 18(8), e1010334.
Publisher PLOS
URI <https://doi.org/10.1371/journal.pcbi.1010334>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7326>
Date of Publication 2022-07

Author(s) SARKAR, SUSOVAN; DAGAR, SHIKHA; LAHIRI, KUSHAN; RAJAMANI, SUDHA
Title pH-responsive self-assembled compartments as tuneable model protocellular membrane systems
Citation ChemBioChem.
Publisher Wiley
URI <https://doi.org/10.1002/cbic.202200371>
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Author(s) Winter, Jacob M.; YADAV, TARUN; Rutter, Jared
Title Stressed to death: Mitochondrial stress responses connect respiration and apoptosis in cancer
Citation Molecular Cell.
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URI <https://doi.org/10.1016/j.molcel.2022.07.012>
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CHEMISTRY

Author(s) AKHTAR, RUKSANA; KAULAGE, SANDEEP H.; Sangole, Mayur P.; Tothadi, Srinu; Parvathy, Parameswaran; Parameswaran, Pattiyil; Singh, Kirandeep; KHAN, SHABANA

Title First-Row Transition Metal Complexes of a Phosphine-Silylene-Based Hybrid Ligand

Citation Inorganic Chemistry, 61(34), 13330-13341.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acs.inorgchem.2c01233>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7334>

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Author(s) DATAR, AVDHOT; PAITHANKAR, HARSHAD; Deb, Pranab; CHUGH, JEETENDER; Bagchi, Sayan; MUKHERJEE, ARNAB; HAZRA, ANIRBAN

Title Water-Controlled Keto-Enol Tautomerization of a Prebiotic Nucleobase

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Author(s) DEBNATH, BHARATI; HOSSAIN, SK MUJAFFAR; Sadhu, Anustup; Singh, Saideep; Polshettiwar, Vivek; OGALE, SATISHCHANDRA

Title Construction of a 2D/2D g-C₃N₅/NiCr-LDH Heterostructure to Boost the Green Ammonia Production Rate under Visible Light Illumination

Citation ACS Applied Materials & Interfaces, 14(32), 37076-37087.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acsami.2c03758>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7320>

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Author(s) HOSSAIN, JABED; PARVIN, NASRINA; SHAH, BRIJ KUMAR; KHAN, SHABANA

Title Four-Coordinate Germylene and Stannylene and their Reactivity towards Se & Te

Citation ZAAC.

Publisher Wiley

URI <https://doi.org/10.1002/zaac.202200164>

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Author(s) JAIN, VANSHIKA; ROY, SUMIT; ROY, PRADYUT; PILLAI, PRAMOD P.
Title When Design Meets Function: The Prodigious Role of Surface Ligands in Regulating Nanoparticle Chemistry†
Citation Chemistry of Materials.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.chemmater.2c01941>
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Date of Publication 2022-08

Author(s) KASHYAP, RADHA KRISHNA; Dwivedi, Itisha; ROY, SOUMENDU; ROY, SUMIT; Rao, Anish; Subramaniam, Chandramouli; PILLAI, PRAMOD P.
Title Insights into the Utilization and Quantification of Thermoplasmonic Properties in Gold Nanorod Arrays
Citation Chemistry of Materials, 34(16), 7369-7378.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.chemmater.2c01426>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7319>
Date of Publication 2022-08

Author(s) KASHYAP, RADHA KRISHNA; PARAMMAL, MUHAMMED JIBIN; PILLAI, PRAMOD P.
Title Effect of Nanoparticle Size on Plasmonic Heat-Driven Organic Transformation
Citation ChemNanoMat.
Publisher Wiley
URI <https://doi.org/10.1002/cnma.202200252>
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Date of Publication 2022-07

Author(s) KHATIK, SADDAM Y.; SRIVATSAN, SEERGAZHI G.
Title Environment-Sensitive Nucleoside Probe Unravels the Complex Structural Dynamics of i-Motif DNAs
Citation Bioconjugate Chemistry, 33(8), 1515-1526.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.bioconjchem.2c00237>
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Author(s) KUMAR, SATISH; BORISH, KSHETRIMAYUM; DEY, SANJIT; Nagesh, Jayashree; DAS, ALOKE
Title Sequence dependent folding motifs of the secondary structures of Gly-Pro and Pro-Gly containing oligopeptides
Citation Physical Chemistry Chemical Physics, 24(30), 18408-18418.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2CP01306A>
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Date of Publication 2022-08

Author(s) MOHAN, ASWATHI T.; GHOSH, PRASENJIT
Title A low cost bimetallic AuCu₃ tetramer on Ti₂CO₂ MXene as an efficient catalyst for CO oxidation: a theoretical prediction
Citation Physical Chemistry Chemical Physics, 24(32), 19512-19520.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2CP02787A>
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Date of Publication 2022-08

Author(s) MONDAL, DEBASHIS; Dandekar, Bhupendra R.; AHMAD, MANZOOR; MONDAL, ABHISHEK; Mondal, Jagannath; TALUKDAR, PINAKI
Title Selective and rapid water transportation across a self-assembled peptide-diol channel via the formation of a dual water array
Citation Chemical Science, 13(33), 9614-9623.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2SC01737G>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7322>
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Author(s) PANDEY, AKANKSHA M.; MONDAL, SHANKHAJIT; GNANAPRAKASAM, BOOPATHY
Title Continuous-Flow Direct Azidation of Alcohols and Peroxides for the Synthesis of Quinoxalinone, Benzoxazinone, and Triazole Derivatives
Citation Journal of Organic Chemistry, 87(15), 9926-9939.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.joc.2c00941>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7313>
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Author(s) SAHOO, SUPRIYA; DEKA, NILOTPAL; BOOMISHANKAR, RAMAMOORTHY
Title Piezoelectric energy harvesting of a bismuth halide perovskite stabilised by chiral ammonium cations
Citation CrystEngComm.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2CE00866A>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7330>
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Author(s) Shee, Somnath; KUMAR, ANAND T.; CHAKRAPANI, HARINATH et al.
Title Moxifloxacin-Mediated Killing of Mycobacterium tuberculosis Involves Respiratory Downshift, Reductive Stress, and Accumulation of Reactive Oxygen Species
Citation Antimicrobial Agents and Chemotherapy.
Publisher American Society for Microbiology
URI <https://doi.org/10.1128/aac.00592-22>
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Author(s) Shitrit, Ariel; MARDHEKAR, SANDHYA; Alshanski, Israel; JAIN, PRASHANT; RAIGAWALI, RAKESH; SHANTHAMURTHY, CHETHAN D.; KIKKERI, RAGHAVENDRA; Yitzchaik, Shlomo; Hurevich, Mattan
Title Profiling Heparan Sulfate-Heavy Metal Ions Interaction Using Electrochemical Techniques
Citation Chemistry—A European Journal.
Publisher Wiley
URI <https://doi.org/10.1002/chem.202202193>
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Author(s) Shivatare, Sachin; Sanjiv, Kumar; KIKKERI, RAGHAVENDRA; Adamo, Roberto
Title Editorial: Glycoconjugates in vaccines and immunotherapeutics
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Publisher Frontiers Media S.A.
URI <https://doi.org/10.3389/fimmu.2022.941474>
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Author(s) SUR, SOUMODIP; THIMMAPPA, RAVIKUMAR; BHAT, ZAHID MANZOOR; DARGILY, NEETHU CHRISTUDAS; MUKHOPADHYAY, SANCHAYITA; Liu, Xi; Cai, Pingwei; Wen, Zhenhai; THOTIYL, MUSTHAFA OTTAKAM

Title Hybrid Alkali-Salt-Acid Electrochemical Device for Electricity-Efficient Desalination and H₂ Generation

Citation ACS Sustainable Chemistry & Engineering, 10(33), 10781-10788.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acssuschemeng.2c01497>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7312>

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Author(s) WAGHAMARE, AKASH B.; RAUT, RAVINDRA K.; PATEL, NIRANJAN; MAJUMDAR, MOUMITA

Title Role of N, N'-Diboryl-4, 4'-bipyridinylidene in the Transition-Metal-Free Borylation of Aryl Halides and Direct C-H Arylation of Unactivated Benzene

Citation European Journal of Inorganic Chemistry.

Publisher Wiley

URI <https://doi.org/10.1002/ejic.202200089>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7328>

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MATHEMATICS

Author(s) BHAKTA, MOUSOMI; Ganguly, Debdip; Montoro, Luigi
Title Fractional Hardy equations with critical and supercritical exponents
Citation Annali di Matematica Pura ed Applicata (1923 -).
Publisher Springer Nature
URI <https://doi.org/10.1007/s10231-022-01246-2>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7317>
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Author(s) BHIMANI, DIVYANG; Hajaiej, Hichem; Haque, Saikatul; LUo, Tingjian
Title A sharp Gagliardo-Nirenberg inequality and its application to fractional problems with inhomogeneous nonlinearity
Citation Evolution Equations and Control Theory.
Publisher American Institute of Mathematical Sciences
URI <https://doi.org/10.3934/eect.2022033>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7309>
Date of Publication 2022-07

Author(s) BISWAS, ANUP; MODASIYA, MITESH; SEN, ABHROJYOTI
Title Boundary regularity of mixed local-nonlocal operators and its application
Citation Annali di Matematica Pura ed Applicata (1923 -).
Publisher Springer Nature
URI <https://doi.org/10.1007/s10231-022-01256-0>
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Author(s) GAIKWAD, AJINKYA; MAITY, SOUMEN
Title Defensive alliances in graphs
Citation Theoretical Computer Science, 928, 136-150.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.tcs.2022.06.021>
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Author(s) ANAND, ABHISHEK; PATIL, RUSHIKESH A.; Balram, Ajit C.; SREEJITH, G. J.
Title Real-space entanglement spectra of parton states in fractional quantum Hall systems
Citation Physical Review B, 106(8), 085136.
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevB.106.085136>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7337>
Date of Publication 2022-08

Author(s) CMS Collaboration; TOTEM Collaboration; Tumasyan, A.; DUBE, SOURABH; KANSAL, B.; PANDEY, S.; RANE, A.; RASTOGI, A.; SHARMA, SEEMA et al.
Title First Search for Exclusive Diphoton Production at High Mass with Tagged Protons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV
Citation Physical Review Letters, 129(1), 011801.
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevLett.129.011801>
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Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA, A.; PANDEY, S.; RASTOGI, A.; SHARMA, SEEMA et al.
Title Measurement of the Drell-Yan forward-backward asymmetry at high dilepton masses in proton-proton collisions at $\sqrt{s} = 13$ TeV
Citation Journal of High Energy Physics, 2022(8), 63.
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP08\(2022\)063](https://doi.org/10.1007/JHEP08(2022)063)
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Title Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s} = 13\text{TeV}$
Citation Physical Review Letters, 129(3).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevLett.129.032001>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7335>
Date of Publication 2022-07

Author(s) CMS Collaboration; Tumasyan, A.; ALPANA, A.; DUBE, SOURABH; KANSAL, B.; LAHA, A.; PANDEY, S.; RASTOGI, A.; SHARMA, SEEMA et al.
Title Search for resonances decaying to three W bosons in the hadronic final state in proton-proton collisions at $\sqrt{s} = 13\text{TeV}$
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Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevD.106.012002>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7315>
Date of Publication 2022-07

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 Resonances Decaying to Three W Bosons in Proton-Proton Collisions at $\sqrt{s} = 13\text{TeV}$
Citation Physical Review Letters, 129(2), 021802.
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevLett.129.021802>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7303>
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Author(s) Das, Arpit; Gowdigere, Chethan N.; MUKHI, SUNIL
Title New meromorphic CFTs from cosets
Citation Journal of High Energy Physics, 2022(07), 152.
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP07\(2022\)152](https://doi.org/10.1007/JHEP07(2022)152)
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Author(s) DEBNATH, BHARATI; HOSSAIN, SK MUJAFFAR; Sadhu, Anustup; Singh, Saideep; Polshettiwar, Vivek; OGALE, SATISHCHANDRA

Title Construction of a 2D/2D g-C₃N₅/NiCr-LDH Heterostructure to Boost the Green Ammonia Production Rate under Visible Light Illumination

Citation ACS Applied Materials & Interfaces, 14(32), 37076-37087.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acsami.2c03758>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7320>

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Author(s) GAIKWAD, AJINKYA; MAITY, SOUMEN

Title Defensive alliances in graphs

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Publisher Elsevier B.V.

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DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7345>

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Author(s) GHOSH, DIPTIMOY; SACHDEVA, DIVYA; SINGH, PRANITI

Title Future constraints on primordial black holes from XGIS-THESEUS

Citation Physical Review D, 106(2), 023022.

Publisher American Physical Society

URI <https://doi.org/10.1103/PhysRevD.106.023022>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7340>

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Author(s) LIGO Scientific Collaboration; Virgo Collaboration; KAGRA Collaboration; Abbott, R.; SOURADEEP, TARUN et al.

Title Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs

Citation Astrophysical Journal, 935(1).

Publisher IOP Publishing

URI <https://doi.org/10.3847/1538-4357/ac6acf>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7325>

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Author(s) Lucie-Smith, Luisa; ADHIKARI, SUSMITA; Wechsler, Risa H
Title Insights into the origin of halo mass profiles from machine learning
Citation Monthly Notices of the Royal Astronomical Society, 515(2), 2164-2177.
Publisher Oxford University Press
URI <https://doi.org/10.1093/mnras/stac1833>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7314>
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Author(s) MOHAN, ASWATHI T.; GHOSH, PRASENJIT
Title A low cost bimetallic AuCu₃ tetramer on Ti₂CO₂ MXene as an efficient catalyst for CO oxidation: a theoretical prediction
Citation Physical Chemistry Chemical Physics, 24(32), 19512-19520.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/D2CP02787A>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/7318>
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Author(s) Nguyen, T.; Aryal, N.; Pokharel, Bal K.; HARNAGEA, LUMINITA; Mierstchin, D.; Popović, Dragana; Graf, D. E.; Shrestha, K.
Title Fermiology of the Dirac type-II semimetal candidates (Ni,Zr)Te₂ using de Haas-van Alphen oscillations
Citation Physical Review B, 106(7), 075154.
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URI <https://doi.org/10.1103/PhysRevB.106.075154>
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Author(s) SEN, ARNAB; Sinha, Abhisek; Sen, Sanket; Sharma, V.; Gopal, R.
Title Above-threshold ionization of argon with ultrashort orbital-angular-momentum beams
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URI <https://doi.org/10.1103/PhysRevA.106.023103>
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Title Substrate influence on transition metal dichalcogenide monolayer exciton absorption linewidth broadening
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Author(s) Vaid, Deepak; SURESH, DEVADHARSINI
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