



SRINIVASA RAMANUJAN LIBRARY
Indian Institute of Science Education and Research Pune
Dr. Homi Bhabha Road, Pune - 411008. India.
e-mail: library@iiserpune.ac.in

Monthly Bulletin of Publications:
Faculty, Scientists and Students of IISER Pune.
June 2019

Contents

Subject	Page No.
Biology	2
Chemistry	3
Earth and Climate Science	9
Mathematics	9
Physics	10

BIOLOGY

Author(s) Ahmad Malik, Sajad; Acharya, Jhankar D.; MEHENDELE, NEELAY K; KAMAT, SIDDHESH S.; Ghaskadbi, Saroj S.

Title Pterostilbene reverses palmitic acid mediated insulin resistance in HepG2 cells by reducing oxidative stress and triglyceride accumulation

Citation Free Radical Research.

Publisher Taylor and Francis

URI <https://doi.org/10.1080/10715762.2019.1635252>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3133>

Date of Publication 21-06-2019

Author(s) Bhasym, Angika; BAL, VINEETA et al.

Title Altered Peripheral Blood Leucocyte Phenotype and Responses in Healthy Individuals with Homozygous Deletion of FHR1 and FHR3 Genes

Citation Journal of Clinical Immunology, 39(3), 336-345.

Publisher Springer

URI <https://doi.org/10.1007/s10875-019-00619-2>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3127>

Date of Publication 03-04-2019

Author(s) KRISHNAN, ANAND

Title Acoustic community structure and seasonal turnover in tropical South Asian birds

Citation Behavioral Ecology.

Publisher Oxford University Press

URI <https://doi.org/10.1093/beheco/arz087>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3124>

Date of Publication 06-06-2019

Author(s) KULKARNI, AMOGH; Soni, Isha; KELKAR, DHANASHREE S.; DHARMARAJA, ALLIMUTHU T.; SANKAR, RATHINAM K.; BENIWAL, GAURAV; RAJENDARAN, ABINAYA; TAMHANKAR, SHARVARI; Chopra, Sidharth; KAMAT, SIDDHESH S.; CHAKRAPANI, HARINATH

Title Chemoproteomics of an Indole-Based Quinone-Epoxyde identifies druggable vulnerabilities in Vancomycin Resistant Staphylococcus aureus (VRSA)

Citation Journal of Medicinal Chemistry.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acs.jmedchem.9b00774>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3139>

Date of Publication 27.06.2019

[Go to top](#)

Author(s) NATARAJAN, BHAVANI; KONDHARE, KIRTIKUMAR R.; Hannapel, David J.; BANERJEE, ANJAN K.
Title Mobile RNAs and proteins: Prospects in storage organ development of tuber and root crops
Citation Plant Science, 284, 73-81.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.plantsci.2019.03.019>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2482>
Date of Publication JUL-2019

Author(s) NUTHANAKANTI, ASHOK; AHMED, ISHTIYAQ; KHATIK, SADDAM Y; KAYARAT, SAIKRISHNAN; SRIVATSAN, SEERGAZHI G.
Title Probing G-quadruplex topologies and recognition concurrently in real time and 3D using a dual-app nucleoside probe
Citation Nucleic Acids Research.
Publisher Oxford University Press
URI <https://doi.org/10.1093/nar/gkz419>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3109>
Date of Publication 20-05-2019

Author(s) RANADE, DEVIKA; PRADHAN, ROOPALI; JAYAKRISHNAN, MUHUNDEN; HEGDE, SUSHMITHA; SENGUPTA, KUNDAN
Title Lamin A/C and Emerin depletion impacts chromatin organization and dynamics in the interphase nucleus
Citation BMC Molecular and Cell Biology, 20.
Publisher BioMed Central Ltd
URI <https://doi.org/10.1186/s12860-019-0192-5>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3123>
Date of Publication 22-05-2019

CHEMISTRY

Author(s) AMBHORE, MADAN D; BASAVARAJAPPA, ASHOKKUMAR; ANAND, VENKATARAMANARAO G.
Title A wide-range of redox states of core-modified expanded porphyrinoids
Citation Chemical Communications, 55(47), 6763-6766.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/c9cc02326g>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3135>
Date of Publication 13-05-2019

[Go to top](#)

Author(s) CHAKRABORTY, SAPTASHWA; MISHRA, BIJOYANANDA; NERALKAR, MAHESH; HOTH, SRINIVAS
Title Stable Benzylic (1-Ethynylcyclohexanyl)carbonates Protect Hydroxyl Moieties by the Synergistic Action of [Au]/[Ag] Catalytic System
Citation Journal of Organic Chemistry, 84(11), 6604-6611.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.joc.9b00016>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3121>
Date of Publication 03-05-2019

Author(s) CHAUDHARY, PREETI MADHUKAR; TORASKAR, SURAJ; YADAV, ROHAN; HANDE, AKSHAY; Yellin, Rina-Arad; KIKKERI, RAGHAVENDRA
Title Multivalent Sialosides: A Tool to Explore the Role of Sialic Acids in Biological Processes
Citation Chemistry: An Asian Journal, 14(9), 1344-1355.
Publisher John Wiley & Sons
URI <https://doi.org/10.1002/asia.201900031>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3103>
Date of Publication 06-03-2019

Author(s) DATTA, DHRUBAJYOTI; TIWARI, OMSHANKER; GUPTA, MANOJ KUMAR
Title Self-Assembly of Diphenylalanine-Peptide Nucleic Acid Conjugates
Citation ACS Omega, 4, 10715-10728.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acsomega.9b00047>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3119>
Date of Publication 20-06-2019

Author(s) DESAI, AAMOD V.; SHARMA, SHIVANI; LET, SUMANTA; GHOSH, SUJIT K.
Title N-donor linker based metal-organic frameworks (MOFs): Advancement and prospects as functional materials
Citation Coordination Chemistry Reviews, 395, 146-192.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.ccr.2019.05.020>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3102>
Date of Publication 15-09-2019

[Go to top](#)

Author(s) DEVATHA, GAYATHRI; RAO, ANISH; ROY, SOUMENDU; PILLAI, PRAMOD P.
Title Forster Resonance Energy Transfer Regulated Multicolor Photopatterning from Single Quantum Dot Nanohybrid Films
Citation ACS Energy Letters, 4, 1710–1716.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acsendergylett.9b00832>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3140>
Date of Publication 24-05-2019

Author(s) GHOSH, BAPPA; CHAUDHURY, SRABANTI
Title Translocation Dynamics of an Asymmetrically Charged Polymer through a Pore under the Influence of Different pH Conditions
Citation Journal of Physical Chemistry B, 123(19), 4318-4323.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcc.8b12301>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3096>
Date of Publication 16-05-2019

Author(s) GUPTA, KRITI; JHA, PLAWAN KUMAR; Dadwal, Arun; Debnath, Anil K.; JAISWAL, ISHAN; RANA, SHAMMI; Joy, Pattayil A.; BALLAV, NIRMALYA
Title Embedding $S=1/2$ Kagome-like Lattice in Reduced Graphene Oxide
Citation Journal of Physical Chemistry Letters, 10(11), 2663-2668.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acs.jpcclett.9b00839>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3136>
Date of Publication 03-05-2019

Author(s) JHA, PLAWAN KUMAR; GUPTA, KRITI; Debnath, Anil Krishna; RANA, SHAMMI; Sharma, Rajendrakumar; BALLAV, NIRMALYA
Title 3D mesoporous reduced graphene oxide with remarkable supercapacitive performance
Citation Carbon, 148, 354-360.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.carbon.2019.03.082>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3098>
Date of Publication JUL-2019

[Go to top](#)

Author(s) KULKARNI, AMOGH; Soni, Isha; KELKAR, DHANASHREE S.; DHARMARAJA, ALLIMUTHU T.; SANKAR, RATHINAM K.; BENIWAL, GAURAV; RAJENDARAN, ABINAYA; TAMHANKAR, SHARVARI; Chopra, Sidharth; KAMAT, SIDDHESH S.; CHAKRAPANI, HARINATH

Title Chemoproteomics of an Indole-Based Quinone-Epoxyde identifies druggable vulnerabilities in Vancomycin Resistant Staphylococcus aureus (VRSA)

Citation Journal of Medicinal Chemistry.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acs.jmedchem.9b00774>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3139>

Date of Publication 27.06.2019

Author(s) KUMAR, NANDHA; Chattaraj, Debabrata; KAUL, INDU; Majumder, Chiranjib; GHOSH, PRASENJIT

Title First principles investigation of growth of small Pd-Ga bimetallic clusters on MgO(100) surface

Citation Journal of Applied Physics, 125.

Publisher AIP Publishing

URI <https://doi.org/10.1063/1.5091993>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3118>

Date of Publication 13-05-2019

Author(s) MANNA, SUDESHNA; SRIVATSAN, SEERGAZHI G.

Title Synthesis and Enzymatic Incorporation of a Responsive Ribonucleoside Probe That Enables Quantitative Detection of Metallo-Base Pairs

Citation Organic Letters, 21(12), 4646-4650.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acs.orglett.9b01544>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3108>

Date of Publication 07-06-2019

Author(s) MOHANTA, NIRMALA; CHAUDHARI, MORESHWAR B.; DIGRAWAL, NAVEEN KUMAR; GNANAPRAKASAM, BOOPATHY

Title Rapid and Multigram Synthesis of Vinylogous Esters under Continuous Flow: An Access to Transesterification and Reverse Reaction of Vinylogous Esters

Citation Organic Process Research & Development, 23(5), 1034-1045.

Publisher American Chemical Society

URI <https://doi.org/10.1021/acs.oprd.9b00067>

DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3100>

Date of Publication 15-03-2019

[Go to top](#)

Author(s) MUKHERJEE, SOUMYA; SHARMA, SHIVANI; GHOSH, SUJIT K.
Title Hydrophobic metal-organic frameworks: Potential toward emerging applications
Citation APL Materials, 7(5).
Publisher AIP Publishing
URI <https://doi.org/10.1063/1.5091783>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3111>
Date of Publication 07-05-2019

Author(s) NUTHANAKANTI, ASHOK; WALUNJ, MANISHA B.; Torris, Arun; Badiger, Manohar V.; SRIVATSAN, SEERGAZHI G.
Title Self-assemblies of nucleolipid supramolecular synthons show unique self-sorting and cooperative assembling process
Citation Nanoscale, 11(24), 11956-11966.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/C9NR01863H>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3110>
Date of Publication 27-05-2019

Author(s) NUTHANAKANTI, ASHOK; AHMED, ISHTIYAQ; KHATIK, SADDAM Y; KAYARAT, SAIKRISHNAN; SRIVATSAN, SEERGAZHI G.
Title Probing G-quadruplex topologies and recognition concurrently in real time and 3D using a dual-app nucleoside probe
Citation Nucleic Acids Research.
Publisher Oxford University Press
URI <https://doi.org/10.1093/nar/gkz419>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3109>
Date of Publication 20-05-2019

Author(s) SATPATHI, SAGAR; SAPPATI, SUBRAHMANYAM; DAS, KONOYA; HAZRA, PARTHA
Title Structural characteristics requisite for the ligand-based selective detection of i-motif DNA
Citation Organic & Biomolecular Chemistry, 17(21), 5392-5399.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/c9ob01020c>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3120>
Date of Publication 08-05-2019

Author(s) SHANTHAMURTHY, CHETHAN D.; KIKKERI, RAGHAVENDRA
Title Linear Synthesis of De novo Oligo-Iduronic Acid
Citation The European Journal of Organic Chemistry, 2019(18), 2950-2953.
Publisher John Wiley & Sons
URI <https://doi.org/10.1002/ejoc.201900540>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3104>
Date of Publication 26-04-2019

Author(s) SHARMA, AJAY KUMAR; SINGH, HARSHIT; CHAKRAPANI, HARINATH
Title Photocontrolled endogenous reactive oxygen species (ROS) generation
Citation Chemical communications, 55(36), 5259-5262.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/C9CC01747J>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3097>
Date of Publication 03-04-2019

Author(s) SHINDE, SOPAN VALIBA; TALUKDAR, PINAKI
Title Transmembrane H⁺/Cl⁻ cotransport activity of bis(amido)imidazole receptors
Citation Organic & Biomolecular Chemistry, 17(18), 4483-4490.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/C9OB00554D>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3126>
Date of Publication 01-04-2019

Author(s) SUBRAMANI, BALAMURUGAN; SHANTAMURTHY, CHETHAN D.; Maru, Parag; Belekar, Meenakshi A.; MARDHEKAR, SANDHYA; Shanmugam, Dhanasekaran; KIKKERI, RAGHAVENDRA
Title Demystifying a hexuronic acid ligand that recognizes Toxoplasma gondii and blocks its invasion into host cells
Citation Organic & Biomolecular Chemistry, 17(18), 4535-4542.
Publisher Royal Society of Chemistry
URI <https://doi.org/10.1039/C9OB00744J>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3105>
Date of Publication 09-04-2019

[Go to top](#)

Earth and Climate Sciences

Author(s) DANISH, MOHD; TRIPATHY, GYANA RANJAN; PANCHANG, RAJANI; Gandhi, Naveen; Prakash, Satya
Title Dissolved boron in a brackish-water lagoon system (Chilika lagoon, India): Spatial distribution and coastal behavior
Citation Marine Chemistry, 214.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.marchem.2019.103663>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3128>
Date of Publication 20-08-2019

Author(s) Wijngaard, Rene R.; BANERJEE, ARGHA et al.
Title Modeling the Response of the Langtang Glacier and the Hintereisferner to a Changing Climate Since the Little Ice Age
Citation Frontiers in Earth Science.
Publisher Frontiers Media S.A.
URI <https://doi.org/10.3389/feart.2019.00143>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3106>
Date of Publication 04-06-2019

MATHEMATICS

Author(s) BALASUBRAMANYAM, BASKAR; SINHA, KANEENIKA
Title Pair correlation statistics for Sato-Tate sequences
Citation Journal of Number Theory, 202, 107-140.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.jnt.2019.01.015>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3112>
Date of Publication SEP-2019

Author(s) BHUNIA, SUSHIL; KAUR, DILPREET; SINGH, ANUPAM
Title z-classes and rational conjugacy classes in alternating groups
Citation Journal of the Ramanujan Mathematical Society, 34(2), 169-183.
Publisher Ramanujan Mathematical Society
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3137>
Date of Publication JUN-2019

[Go to top](#)

Author(s) GANGAVARAPU; KISHORE, VENKATA KRISHNA
Title Torsion elements of the Nottingham group of order $p(2)$ and type $\langle 2, m \rangle$
Citation Journal of the Ramanujan Mathematical Society, 34(2), 231-243.
Publisher Ramanujan Mathematical Society
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3138>
Date of Publication JUN-2019

Author(s) Sutar, Santosh; NAIK-NIMBALKAR, U. V.
Title A load share model for non-identical components of a k-out-of-m system
Citation Applied Mathematical Modelling, 72, 486-498.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.apm.2019.03.025>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3114>
Date of Publication AUG-2019

PHYSICS

Author(s) Agreda, Adrian; SHARMA, DEEPAK K.; KUMAR, G. V. PAVAN et al.
Title Spatial Distribution of the Nonlinear Photoluminescence in Au Nanowires
Citation ACS Photonics, 6(5), 1240-1247.
Publisher American Chemical Society
URI <https://doi.org/10.1021/acsp Photonics.9b00181>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3099>
Date of Publication 15-04-2019

Author(s) ATLAS Collaboration; Aaboud, M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, S.; SHARMA, S. et al.
Title Combinations of single-top-quark production cross-section measurements and vertical bar $f(LV)V(tb)$ vertical bar determinations at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS experiments
Citation Journal of High Energy Physics.
Publisher Springer
URI [https://doi.org/10.1007/JHEP05\(2019\)088](https://doi.org/10.1007/JHEP05(2019)088)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3117>
Date of Publication 16-05-2019

[Go to top](#)

Author(s) BHATTACHARJEE, SINJINI; Patra, Aniket; Pathak, Arup Kumar; Samanta, Alok Kumar
Title Optical controlled non-equilibrium processes: effect of excitation wavelength
Citation Physica Scripta, 94(8).
Publisher IOP Publishing
URI <https://doi.org/10.1088/1402-4896/ab105b>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3113>
Date of Publication 06-06-2019

Author(s) CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, S.; SHARMA, S. et al.
Title Search for supersymmetry in events with a photon, jets, b-jets, and missing transverse momentum in proton-proton collisions at 13TeV
Citation The European Physical Journal C.
Publisher Springer
URI <https://doi.org/10.1140/epjc/s10052-019-6926-x>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3129>
Date of Publication 25-05-2019

Author(s) CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; RASTOGI, S.; SHARMA, S. et al.
Title Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at root s=13 TeV
Citation Physical Review D, 99(9).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevD.99.092005>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3130>
Date of Publication 21-05-2019

Author(s) CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; SHARMA, S. et al.
Title Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at root s=8 and 13 TeV
Citation Physics Letters B, 793, 320-347.
Publisher Elsevier B.V.
URI <https://doi.org/10.1016/j.physletb.2019.03.064>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3116>
Date of Publication 10-06-2019

[Go to top](#)

Author(s) Inbasekar, Karthik; JAIN, SACHIN; MAJUMDAR, SUCHETA; Nayak, Pranjal; NEOGI, TURMOLI; Sinha, Ritam; Sharma, Tarun; Umesh, V.
Title Dual superconformal symmetry of N=2 Chern-Simons theory with fundamental matter at large N
Citation Journal of High Energy Physics.
Publisher Springer Nature
URI [https://doi.org/10.1007/JHEP06\(2019\)016](https://doi.org/10.1007/JHEP06(2019)016)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3122>
Date of Publication 06-06-2019

Author(s) KAPOOR, AAKANKSHA; Dey, Arka Bikash; GARG, CHARU; BAJPAI, ASHNA
Title Enhanced magnetism & time - stable remanence at the interface of hematite and carbon nanotubes
Citation Nanotechnology.
Publisher IOP Publishing Ltd
URI <https://doi.org/10.1088/1361-6528/ab27ec>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3590>
Date of Publication 07-06-2019

Author(s) KULKARNI, SUMEET; Phukon, Khun Sang et al.
Title Random projections in gravitational wave searches of compact binaries
Citation Physical Review D, 99(1).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevD.99.101503>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3134>
Date of Publication 31-05-2019

Author(s) KUMAR, NANDHA; Chattaraj, Debabrata; KAUL, INDU; Majumder, Chiranjib; GHOSH, PRASENJIT
Title First principles investigation of growth of small Pd-Ga bimetallic clusters on MgO(100) surface
Citation Journal of Applied Physics, 125.
Publisher AIP Publishing
URI <https://doi.org/10.1063/1.5091993>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3118>
Date of Publication 13-05-2019

[Go to top](#)

Author(s) KUSMIERZ, BARTOSZ; Wojs, Arkadiusz; SREEJITH, G. J.
Title Mean-field approximations for short-range four-body interactions at $v=35$
Citation Physical Review B, 99(23).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevB.99.235141>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3132>
Date of Publication 20-06-2019

Author(s) MALVIMAT, VINAY; Mondal, Sayid; Sengupta, Gautam
Title Time evolution of entanglement negativity from black hole interiors
Citation Journal of High Energy Physics.
Publisher Springer
URI [https://doi.org/10.1007/JHEP05\(2019\)183](https://doi.org/10.1007/JHEP05(2019)183)
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3131>
Date of Publication 28-05-2019

Author(s) SHARMA, DEEPAK; BAPAT, BHAS; Bhatt, Pragya; Safvan, C. P.
Title Orientation dependence of multiple ionisation of a diatomic molecule under proton impact
Citation Journal of Physics B: Atomic, Molecular and Optical Physics, 52(11).
Publisher IOP Publishing Ltd.
URI <https://doi.org/10.1088/1361-6455/ab17ee>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3125>
Date of Publication 22-05-2019

Author(s) SHENDE, MAYUR B.; SUBRAMANIAN, PRASAD; Sachdeva, Nishtha
Title Episodic Jets from Black Hole Accretion Disks
Citation The Astrophysical Journal, 877(2).
Publisher IOP Publishing
URI <https://doi.org/10.3847/1538-4357/ab1cb6>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3107>
Date of Publication 04-06-2019

Author(s) Vigneshwar, N.; Mandal, Dipanjan; Damle, Kedar; DHAR, DEEPAK; Rajesh, R.
Title Phase diagram of a system of hard cubes on the cubic lattice
Citation Physical Review E, 99(5).
Publisher American Physical Society
URI <https://doi.org/10.1103/PhysRevE.99.052129>
DR URI <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3101>
Date of Publication 20-05-2019

[Go to top](#)
