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

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# BIOLOGY

<b>Author(s)</b>	CHAVHAN, YASHRAJ D.; ALI, SAYYAD IRFAN; DEY, SUTIRTH
<b>Title</b>	Larger Numbers Can Impede Adaptation in Asexual Populations despite Entailing Greater Genetic Variation
<b>Citation</b>	Evolutionary Biology, 46(1), 1-13.
<b>Publisher</b>	Springer
<b>URI</b>	<a href="https://doi.org/10.1007/s11692-018-9467-6">https://doi.org/10.1007/s11692-018-9467-6</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2389">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2389</a>
<b>Date of Publication</b>	MAR-2019
<b>Author(s)</b>	MATANGE, NISHAD; HEGDE, SUSHMITHA; BODKHE, SWAPNIL
<b>Title</b>	Adaptation Through Lifestyle Switching Sculpts the Fitness Landscape of Evolving Populations: Implications for the Selection of Drug-Resistant Bacteria at Low Drug Pressures
<b>Citation</b>	Genetics, 211(3), 1029-1044.
<b>Publisher</b>	Genetics Society America
<b>URI</b>	<a href="https://doi.org/10.1534/genetics.119.301834">https://doi.org/10.1534/genetics.119.301834</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2406">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2406</a>
<b>Date of Publication</b>	01-03-2019
<b>Author(s)</b>	Moulick, Roumita; Goluguri, Rama Reddy; UDGAONKAR, JAYANT B.
<b>Title</b>	Ruggedness in the Free Energy Landscape Dictates Misfolding of the Prion Protein
<b>Citation</b>	Journal of Molecular Biology, 431(4), 807-824.
<b>Publisher</b>	Elsevier B.V.
<b>URI</b>	<a href="https://doi.org/10.1016/j.jmb.2018.12.009">https://doi.org/10.1016/j.jmb.2018.12.009</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2397">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2397</a>
<b>Date of Publication</b>	15-02-2019
<b>Author(s)</b>	SURANSE, VIVEK; Sawant, Nitin S.; Bastawade, D. B.; DAHANUKAR, NEELESH
<b>Title</b>	Haplotype diversity in medically important red scorpion (Scorpiones: Buthidae: Hottentottatamulus) from India
<b>Citation</b>	Journal of Genetics, 98.
<b>Publisher</b>	Indian Academy of Sciences
<b>URI</b>	<a href="https://doi.org/10.1007/s12041-019-1058-5">https://doi.org/10.1007/s12041-019-1058-5</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2396">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2396</a>
<b>Date of Publication</b>	MAR-2019

# CHEMISTRY

<b>Author(s)</b>	Akram, Mohd; Ansari, Farah; BHAT, IMTIYAZ AHMAD; Kabir-ud-Din
<b>Title</b>	Probing interaction of bovine serum albumin (BSA) with the biodegradable version of cationic gemini surfactants
<b>Citation</b>	Journal of Molecular Liquids, 276, 519-528.
<b>Publisher</b>	Elsevier B.V.
<b>URI</b>	<a href="https://doi.org/10.1016/j.molliq.2018.10.123">https://doi.org/10.1016/j.molliq.2018.10.123</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2392">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2392</a>
<b>Date of Publication</b>	15-02-2019
<b>Author(s)</b>	CHAUDHARI, MORESHWAR B.; CHAUDHARY, ATUL; KUMAR, VISHNUPRIYA; GNANAPRAKASAM, BOOPATHY
<b>Title</b>	The Rearrangement of Peroxides for the Construction of Fluorophoric 1,4-Benzoxazin-3-one Derivatives
<b>Citation</b>	Organic Letters, 21(06), 1617-1621.
<b>Publisher</b>	American Chemical Society
<b>URI</b>	<a href="https://doi.org/10.1021/acs.orglett.9b00155">https://doi.org/10.1021/acs.orglett.9b00155</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2407">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2407</a>
<b>Date of Publication</b>	22-02-2019
<b>Author(s)</b>	Chauhan, Rohit Singh; SHIVRAN, NEELAM et al.
<b>Title</b>	Copper complexes of arylselenolate-based ligands: synthesis and catalytic activity in azide-alkyne cycloaddition reactions
<b>Citation</b>	New Journal of Chemistry, 43(5), 2381-2388.
<b>Publisher</b>	Royal Society of Chemistry
<b>URI</b>	<a href="https://doi.org/10.1039/c8nj04602f">https://doi.org/10.1039/c8nj04602f</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2387">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2387</a>
<b>Date of Publication</b>	03-01-2019
<b>Author(s)</b>	GHOSH, CHANDRAMOULI; NANDI, ADITI; Basu, Sudipta
<b>Title</b>	Supramolecular self-assembly of triazine-based small molecules: targeting the endoplasmic reticulum in cancer cells
<b>Citation</b>	Nanoscale, 11(7), 3326-3335.
<b>Publisher</b>	Royal Society of Chemistry
<b>URI</b>	<a href="https://doi.org/10.1039/c8nr08682f">https://doi.org/10.1039/c8nr08682f</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2386">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2386</a>
<b>Date of Publication</b>	18-01-2019

**Author(s)** KATHEWAD, NEHA; ANAGHA, M. C.; PARVIN, NASRINA; Parambath, Sneha; Parameswaran, Pattiyil; KHAN, SHABANA

**Title** Facile Buchwald-Hartwig coupling of sterically encumbered substrates effected by PNP ligands

**Citation** Dalton Transactions, 48(8), 2730-2734.

**Publisher** Royal Society of Chemistry

**URI** <https://doi.org/10.1039/c9dt00159j>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2380>

**Date of Publication** 25-01-2019

**Author(s)** KHAN, SHABANA; Roesky, Herbert W.

**Title** Carbene-Stabilized Exceptional Silicon Halides

**Citation** Chemistry-A European Journal, 25(7), 1636-1648.

**Publisher** Wiley-VCH

**URI** <https://doi.org/10.1002/chem.201801672>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2393>

**Date of Publication** 01-02-2019

**Author(s)** MALPATHAK, SHREYAS; Ma, Xinyou; Hase, William L.

**Title** Addressing an instability in unrestricted density functional theory direct dynamics simulations

**Citation** Journal of Computational Chemistry, 40(8), 933-936.

**Publisher** Wiley VCH

**URI** <https://doi.org/10.1002/jcc.25604>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2384>

**Date of Publication** 30-03-2019

**Author(s)** REJA, RAHI M.; PATEL, RAJAT; KUMAR, VIVEK; Jha, Anjali; GOPI, HOSAHUDYA N.

**Title** Divergent Supramolecular Gelation of Backbone Modified Short Hybrid delta-Peptides

**Citation** Biomacromolecules, 20(3), 1254-1262.

**Publisher** American Chemical Society

**URI** <https://doi.org/10.1021/acs.biomac.8b01684>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2413>

**Date of Publication** 12-02-2019

<b>Author(s)</b>	ROY, BIBHISAN; REDDY, MALLU CHENNA; PANJA, SOUMENDRA NATH; HAZRA, PARTHA
<b>Title</b>	Strategy to Mechanical Activation of Centrosymmetrically Packed Organic Luminogens
<b>Citation</b>	Journal of Physical Chemistry C, 123(6), 3848-3854.
<b>Publisher</b>	American Chemical Society
<b>URI</b>	<a href="https://doi.org/10.1021/acs.jpcc.8b10696">https://doi.org/10.1021/acs.jpcc.8b10696</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2381">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2381</a>
<b>Date of Publication</b>	15-01-2019
 <b>Author(s)</b>	 SINGH, SANTOSH K.; More, Shahaji; KUMAR, SATISH; MISHRA, KAMALK.; Ganesh,Krishna N.; DAS, ALOKE
<b>Title</b>	A conformation-specific IR spectroscopic signature for weak $\text{C}=\text{O}\cdots\text{C}=\text{O}$ $n\rightarrow\pi^*$ interaction in capped 4R-hydroxyproline
<b>Citation</b>	Physical Chemistry Chemical Physics, 21(9), 4755-4762.
<b>Publisher</b>	Royal Society of Chemistry
<b>URI</b>	<a href="https://doi.org/10.1039/C8CP07660J">https://doi.org/10.1039/C8CP07660J</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2375">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2375</a>
<b>Date of Publication</b>	04-02-2019
 <b>Author(s)</b>	 SWARNKAR, ABHISHEK; MIR, WASIM J.; CHAKRABORTY, RAYAN; JAGADEESWARARAO, METIKOTI; SHEIKH, TARIQ; NAG, ANGSHUMAN
<b>Title</b>	Are Chalcogenide Perovskites an Emerging Class of Semiconductors for Optoelectronic Properties and Solar Cell?
<b>Citation</b>	Chemistry of Materials, 31(3), 565-575.
<b>Publisher</b>	American Chemical Society
<b>URI</b>	<a href="https://doi.org/10.1021/acs.chemmater.8b04178">https://doi.org/10.1021/acs.chemmater.8b04178</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2379">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2379</a>
<b>Date of Publication</b>	15-01-2019
 <b>Author(s)</b>	 THIMMAPPA, RAVIKUMAR; GAUTAM, MANU; ARALEKALLU SHAMBHULINGA; DEVENDRACHAR, MRUTHUNJAYACHARII CHATTANAHALI; KOTTAICHAMY,ALAGAR RAJA; BHAT, ZAHID MANZOOR; MUSTHAF A O. T.
<b>Title</b>	A Rechargeable Aqueous Sodium Ion Battery
<b>Citation</b>	ChemElectroChem
<b>Publisher</b>	Wiley-VCH
<b>URI</b>	<a href="https://doi.org/10.1002/celc.201900317">https://doi.org/10.1002/celc.201900317</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2414">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2414</a>
<b>Date of Publication</b>	25-03-2019

## EARTH AND CLIMATE SCIENCE

Author(s)	SAHA, GOKUL; RAI, S. S.; Shalivahan
Title	Occurrence of diamond in peninsular India and its relationship with deep Earth seismic properties
Citation	Journal of Earth System Science, 128.
Publisher	Indian Academy of Sciences
URI	<a href="https://doi.org/10.1007/s12040-019-1088-7">https://doi.org/10.1007/s12040-019-1088-7</a>
DR URI	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2388">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2388</a>
Date of Publication	21-02-2019

## HUMANITIES AND SOCIAL SCIENCES

Author(s)	PAI, VENKATESWARA R.
Title	The Maṇḍalavākyas: An Intermediate Numerical Table Used in the Computation of Planetary Longitudes.
Citation	East-West Encounter in the Science of Heaven and Earth, ICTSA2017, 50.
Publisher	Institute for Research in Humanities, Kyoto University
DR URI	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2419">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2419</a>
Date of Publication	13-01-2019

## MATHEMATICS

Author(s)	BANERJEE, DEBIKA; Baruch, Ehud Moshe; Tenetov, Evgeny
Title	A Voronoi-Oppenheim summation formula for totally real number fields
Citation	Journal of Number Theory, 199, 63-97.
Publisher	Elsevier B.V.
URI	<a href="https://doi.org/10.1016/j.jnt.2018.04.008">https://doi.org/10.1016/j.jnt.2018.04.008</a>
DR URI	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2409">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2409</a>
Date of Publication	JUN-2019

Author(s)	BANERJEE, DEBARGHA; MANDAL, TATHAGATA
Title	Supercuspidal ramifications and traces of adjoint lifts
Citation	Journal of Number Theory
Publisher	Elsevier B.V.
URI	<a href="https://doi.org/10.1016/j.jnt.2019.02.017">https://doi.org/10.1016/j.jnt.2019.02.017</a>
DR URI	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2408">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2408</a>
Date of Publication	20-03-2019

<b>Author(s)</b>	BHAKTA, MOUSOMI; MUKHERJEE, DEBANGANA
<b>Title</b>	Multiplicity results for (P, Q) fractional elliptic equations involving critical nonlinearities
<b>Citation</b>	Advances in Differential Equations, 24(3-4), 185-228.
<b>Publisher</b>	Khayyam Publishing
<b>URI</b>	<a href="https://projecteuclid.org/euclid.ade/1548212469">https://projecteuclid.org/euclid.ade/1548212469</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2377">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2377</a>
<b>Date of Publication</b>	MAR-APR 2019
 <b>Author(s)</b>	 BHAKTA, MOUSOMI; MUKHERJEE, DEBANGANA
<b>Title</b>	Nonlocal scalar field equations: Qualitative properties, asymptotic profiles and local uniqueness of solutions
<b>Citation</b>	Journal of Differential Equations, 266(11), 6985-7037.
<b>Publisher</b>	Elsevier B.V.
<b>URI</b>	<a href="https://doi.org/10.1016/j.jde.2018.11.023">https://doi.org/10.1016/j.jde.2018.11.023</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2412">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2412</a>
<b>Date of Publication</b>	15-05-2019
 <b>Author(s)</b>	 Das, Milan Kumar; GOSWAMI, ANINDYA
<b>Title</b>	Testing of binary regime switching models using squeeze duration analysis
<b>Citation</b>	Journal of Financial Engineering.
<b>Publisher</b>	World Scientific Publishing
<b>URI</b>	<a href="https://doi.org/10.1142/S2424786319500063">https://doi.org/10.1142/S2424786319500063</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2418">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2418</a>
<b>Date of Publication</b>	15-03-2019
 <b>Author(s)</b>	 PAL, RATNA
<b>Title</b>	Fatou-Julia dichotomy of matrix-valued polynomials
<b>Citation</b>	Journal of Mathematical Analysis and Applications, 473(2), 918-933.
<b>Publisher</b>	Elsevier B.V.
<b>URI</b>	<a href="https://doi.org/10.1016/j.jmaa.2018.12.080">https://doi.org/10.1016/j.jmaa.2018.12.080</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2376">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2376</a>
<b>Date of Publication</b>	15-05-2019

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# PHYSICS

**Author(s)** BHOSALE, RESHMA; JAIN, SRASHTI; Vinod, Chathakudath Prabhakaran; Kumar, Santosh; OGALE, SATISHCHANDRA

**Title** Direct Z-Scheme g-C<sub>3</sub>N<sub>4</sub>/FeWO<sub>4</sub> Nanocomposite for Enhanced and Selective Photocatalytic CO<sub>2</sub> Reduction under Visible Light

**Citation** ACS Applied Materials & Interfaces, 11(6), 6174-6183.

**Publisher** American Chemical Society

**URI** <https://doi.org/10.1021/acsmami.8b22434>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2382>

**Date of Publication** 25-01-2019

**Author(s)** Babar, Rohit; KABIR, MUKUL

**Title** Ferromagnetism in nitrogen-doped graphene

**Citation** Physical Review B, 99(11), 115442.

**Publisher** American Physical Society

**URI** <https://doi.org/10.1103/PhysRevB.99.115442>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2417>

**Date of Publication** 29-03-2019

**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** Measurements of tt̄-tt̄ differential cross sections in proton-proton collisions at s̄=13s=13 TeV using events containing two leptons

**Citation** Journal of High Energy Physics.

**Publisher** Springer

**URI** [https://doi.org/10.1007/JHEP02\(2019\)149](https://doi.org/10.1007/JHEP02(2019)149)

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2391>

**Date of Publication** 22-02-2019

**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 new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at <mml:msqrt>s</mml:msqrt>=13 TeV

**Citation** Journal of High Energy Physics.

**Publisher** Springer

**URI** [https://doi.org/10.1007/JHEP02\(2019\)074](https://doi.org/10.1007/JHEP02(2019)074)

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2383>

**Date of Publication** 13-02-2019

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<b>Author(s)</b>	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.
<b>Title</b>	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV
<b>Citation</b>	Physical Review D, 99(3).
<b>Publisher</b>	American Physical Society
<b>URI</b>	<a href="https://doi.org/10.1103/PhysRevD.99.032011">https://doi.org/10.1103/PhysRevD.99.032011</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2385">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2385</a>
<b>Date of Publication</b>	21-02-2019

<b>Author(s)</b>	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.
<b>Title</b>	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $s/\sqrt{s}=13$ TeV
<b>Citation</b>	The European Physical Journal C, 79(3).
<b>Publisher</b>	Springer
<b>URI</b>	<a href="https://doi.org/10.1140/epjc/s10052-019-6688-5">https://doi.org/10.1140/epjc/s10052-019-6688-5</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2410">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2410</a>
<b>Date of Publication</b>	07-03-2019

<b>Author(s)</b>	CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; SHARMA, S. et al.
<b>Title</b>	Search for $t\bar{t}H\bar{t}t\bar{H}$ production in the $H\rightarrow b\bar{b}\rightarrow H\rightarrow b\bar{b}$ decay channel with leptonic $t\bar{t}t\bar{t}$ decays in proton-proton collisions at $s/\sqrt{s}=13$ TeV
<b>Citation</b>	Journal of High Energy Physics
<b>Publisher</b>	Springer
<b>URI</b>	<a href="https://doi.org/10.1007/JHEP03(2019)026">https://doi.org/10.1007/JHEP03(2019)026</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2411">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2411</a>
<b>Date of Publication</b>	05-03-2019

<b>Author(s)</b>	CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; SHARMA, S. et al.
<b>Title</b>	Search for pair production of second-generation leptoquarks at root $s=13$ TeV
<b>Citation</b>	Physical Review D, 99(3).
<b>Publisher</b>	American Physical Society
<b>URI</b>	<a href="https://doi.org/10.1103/PhysRevD.99.032014">https://doi.org/10.1103/PhysRevD.99.032014</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2400">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2400</a>
<b>Date of Publication</b>	27-02-2019

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<b>Author(s)</b>	CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; SHARMA, S. et al.
<b>Title</b>	Measurement of nuclear modification factors of gamma(1S)), gamma(2S), and gamma(3S) mesons in PbPb collisions at root s(NN)=5.02 TeV
<b>Citation</b>	Physics Letters B, 790, 270-293.
<b>Publisher</b>	Elsevier B.V.
<b>URI</b>	<a href="https://doi.org/10.1016/j.physletb.2019.01.006">https://doi.org/10.1016/j.physletb.2019.01.006</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2401">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2401</a>
<b>Date of Publication</b>	10-03-2019
<b>Author(s)</b>	CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; SHARMA, S. et al.
<b>Title</b>	Measurement of prompt psi(2S) production cross sections in proton-lead and proton-proton collisions at root s(NN)=5.02 TeV
<b>Citation</b>	Physics Letters B, 790, 509-532.
<b>Publisher</b>	Elsevier B.V.
<b>URI</b>	<a href="https://doi.org/10.1016/j.physletb.2019.01.058">https://doi.org/10.1016/j.physletb.2019.01.058</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2402">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2402</a>
<b>Date of Publication</b>	10-03-2019
<b>Author(s)</b>	CMS Collaboration; Sirunyan, A. M.; CHAUHAN, S.; DUBE, S.; HEGDE, V.; KAPOOR, A.; KOTHEKAR, K.; PANDEY, S.; RANE, A.; SHARMA, S. et al.
<b>Title</b>	Search for supersymmetric partners of electrons and muons in proton-proton collisions at root s=13 TeV
<b>Citation</b>	Physics Letters B, 790, 140-166.
<b>Publisher</b>	Elsevier B.V.
<b>URI</b>	<a href="https://doi.org/10.1016/j.physletb.2019.01.005">https://doi.org/10.1016/j.physletb.2019.01.005</a>
<b>DR URI</b>	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2403">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2403</a>
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<b>Citation</b>	Journal of High Energy Physics
<b>Publisher</b>	Springer
<b>URI</b>	<a href="https://doi.org/10.1007/JHEP01(2019)040">https://doi.org/10.1007/JHEP01(2019)040</a>
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<b>Date of Publication</b>	04-01-2019

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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.; SHARMA, S. et al.

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**Citation** Physical Review Letters, 122(8).

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**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2405>

**Date of Publication** 01-03-2019

**Author(s)** Hoang, D. N.; SHWETA, A. et al.

**Title** Radio observations of the merging galaxy cluster Abell 520

**Citation** Astronomy & Astrophysics, 622.

**Publisher** EDP Sciences

**URI** <https://doi.org/10.1051/0004-6361/201833900>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2378>

**Date of Publication** 19-02-2019

**Author(s)** Kilgour, Michael; AGARWALLA, BIJAY KUMAR; Segal, Dvira

**Title** Path-integral methodology and simulations of quantum thermal transport: Full counting statistics approach

**Citation** Journal of Chemical Physics, 150(8).

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**URI** <https://doi.org/10.1063/1.5084949>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2394>

**Date of Publication** 27-02-2019

**Author(s)** MALVIMAT, VINAY; Mondal, Sayid; Paul, Boudhayan; Sengupta, Gautam

**Title** Holographic entanglement negativity for disjoint intervals in AdS3/CFT2

**Citation** European Physical Journal C, 79(3).

**Publisher** Springer

**URI** <https://doi.org/10.1140/epjc/s10052-019-6693-8>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2415>

**Date of Publication** 04-03-2019

**Author(s)** ROY, BIBHISAN; REDDY, MALLU CHENNA; PANJA, SOUMENDRA NATH; HAZRA, PARTHA

**Title** Strategy to Mechanical Activation of Centrosymmetrically Packed Organic Luminogens

**Citation** Journal of Physical Chemistry C, 123(6), 3848-3854.

**Publisher** American Chemical Society

**URI** <https://doi.org/10.1021/acs.jpcc.8b10696>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/2381>

**Date of Publication** 15-01-2019

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