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

Author(s)	VAIDHYANATHAN, R.; MULLANGI, D.; NANDI, S.
Title	Covalent organic frameworks as porous supports for non-noble metal based water splitting electrocatalysts
Patent No	10,301,727 B2
URI	<a href="https://patents.google.com/patent/US10301727B2/en">https://patents.google.com/patent/US10301727B2/en</a>
DR URI	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3785">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3785</a>
Date of Publication	2019

## Book

Author(s)	GHOSH, SUJIT_Ed.
Title	Metal-Organic Frameworks (MOFs) for Environmental Applications
Publisher	Elsevier
ISSN No	9780128146347/ 9780128146330
URI	<a href="https://www.elsevier.com/books/metal-organic-frameworks-mofs-for-environmental-applications/ghosh/978-0-12-814633-0">https://www.elsevier.com/books/metal-organic-frameworks-mofs-for-environmental-applications/ghosh/978-0-12-814633-0</a>
DR URI	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3593">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3593</a>
Date of Publication	08-06-2019

## Journal Articles

## BIOLOGY

Author(s)	CHAUDHARI, MORESHWAR B.; MOHANTA, NIRMALA; PANDEY, AKANKSHA M.; VANDANA, MADHUSOODHANAN; KARMODIYA, KRISHANPAL; GNANAPRAKASAM, BOOPATHY
Title	Peroxidation of 2-oxindole and barbituric acid derivatives under batch and continuous flow using an eco-friendly ethyl acetate solvent
Citation	Reaction Chemistry & Engineering, 4(7), 1277-1283.
Publisher	Royal Society of Chemistry
URI	<a href="https://doi.org/10.1039/c9re00068b">https://doi.org/10.1039/c9re00068b</a>
DR URI	<a href="http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3747">http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3747</a>
Date of Publication	24-04-2019

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**Author(s)** DEVANI, RAVI SURESH; Chirmade, Tejas; Sinha, Sangram; Bendahmane, Abdelhafid; DHOLAKIA, BHUSHAN B.; BANERJEE, ANJAN KUMAR; BANERJEE, JAYEETA  
**Title** Flower bud proteome reveals modulation of sex-biased proteins potentially associated with sex expression and modification in dioecious *Coccinia grandis*  
**Citation** BMC Plant Biology, 19.  
**Publisher** BioMed Central Ltd.  
**URI** <https://doi.org/10.1186/s12870-019-1937-1>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3784>  
**Date of Publication** 23-07-2019

**Author(s)** DHIMAN, NEENA; Shweta, Kumari; TENDULKAR, SHWETA; Deshpande, Girish; RATNAPARKHI, GIRISH S.; Ratnaparkhi, Anuradha  
**Title** *Drosophila* Mon1 constitutes a novel node in the brain-gonad axis that is essential for female germline maturation  
**Citation** Development, 146(13).  
**Publisher** Company Biologists Ltd.  
**URI** <https://doi.org/10.1242/dev.166504>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3789>  
**Date of Publication** 10-07-2019

**Author(s)** Kumar, Sandeep; RAJAN, RAGHAV et al.  
**Title** Altering Opioid Neuromodulation in the Songbird Basal Ganglia Modulates Vocalizations  
**Citation** Frontiers in Neuroscience, 13.  
**Publisher** Frontiers Media S.A.  
**URI** <https://doi.org/10.3389/fnins.2019.00671>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3754>  
**Date of Publication** 03-07-2019

**Author(s)** MATANGE, NISHAD  
**Title** Deorphanizing NUDIX hydrolases from *Trypanosoma*: tantalizing links with metabolic regulation and stress tolerance  
**Citation** Bioscience Reports, 39(6).  
**Publisher** Portland Press Ltd.  
**URI** <https://doi.org/10.1042/BSR20191369>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3777>  
**Date of Publication** 20-06-2019

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**Author(s)** Nakhate, Kartik T.; SUBHEDAR, NISHIKANT K.; Kokare, Dadasaheb M.  
**Title** Involvement of neuropeptide CART in the central effects of insulin on feeding and body weight  
**Citation** Pharmacology Biochemistry and Behavior, 181, 101-109.  
**Publisher** Elsevier B.V.  
**URI** <https://doi.org/10.1016/j.pbb.2019.05.001>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3773>  
**Date of Publication** JUN-2019

**Author(s)** NIRWAN, NEHA; Itoh, Yuzuru; SINGH, PRATIMA; BANDYOPADHYAY, SUTIRTHA; Vinothkumar, Kutti R.; Amunts, Alexey; SAIKRISHNAN, KAYARAT  
**Title** Structure-based mechanism for activation of the AAA+ GTPase McrB by the endonuclease McrC  
**Citation** Nature Communication, 10.  
**Publisher** Springer Nature  
**URI** <https://doi.org/10.1038/s41467-019-11084-1>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3757>  
**Date of Publication** 11-07-2019

**Author(s)** ROY, ANKIT A.; DHAWANJEWAR, ABHILESH S.; SHARMA, PARICHIT; SINGH, GULZAR; MADHUSUDHAN, M. S.  
**Title** Protein Interaction Z Score Assessment (PIZSA): an empirical scoring scheme for evaluation of protein-protein interactions  
**Citation** Nucleic Acids Research, 47.  
**Publisher** Oxford University Press  
**URI** <https://doi.org/10.1093/nar/gkz368>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3792>  
**Date of Publication** 22-05-2019

**Author(s)** SANDANARAJ, BRITTO; BHANDARI, PAVANKUMAR JANARDHAN; REDDY, MULLAPUDI MOHAN; LOHOTE, AKSHAY BHAGWAN; Sahoo, Bankanidhi  
**Title** Design, Synthesis and Self-assembly Studies of Suite of Monodisperse Facially Amphiphilic Protein-Dendron Conjugates  
**Citation** ChemBioChem.  
**Publisher** Wiley  
**URI** <https://doi.org/10.1002/cbic.201900341>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3759>  
**Date of Publication** 18-07-2019

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**Author(s)** Sengupta, Ishita; UDGAONKAR, JAYANT  
**Title** Monitoring site-specific conformational changes in real-time reveals a misfolding mechanism of the prion protein  
**Citation** eLife, 8.  
**Publisher** eLife Sciences Publications Ltd.  
**URI** <https://doi.org/10.7554/eLife.44698>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3780>  
**Date of Publication** 24-06-2019

**Author(s)** Sowani, Harshada; DESHPANDE, ASHISH; Gupta, Vidya; Kulkarni, Mohan; Zinjarde, Smita  
**Title** Biodegradation of squalene and n-hexadecane by Gordoniaaamicalis HS-11 with concomitant formation of biosurfactant and carotenoids  
**Citation** International Biodeterioration & Biodegradation, 142, 172-181.  
**Publisher** Elsevier B.V.  
**URI** <https://doi.org/10.1016/j.ibiod.2019.05.005>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3753>  
**Date of Publication** AUG-2019

## CHEMISTRY

**Author(s)** BHAT, IMTIYAZ AHMAD; ROY, BIBHISAN; Kabir-ud-Din  
**Title** Micelles of cleavable gemini surfactant induce fluorescence switching in novel probe: Industrial insight  
**Citation** Journal of Industrial and Engineering Chemistry, 77, 60-64.  
**Publisher** Elsevier B.V.  
**URI** <https://doi.org/10.1016/j.jiec.2019.04.035>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3752>  
**Date of Publication** 25-09-2019

**Author(s)** CHAUDHARI, MORESHWAR B.; MOHANTA, NIRMALA; PANDEY, AKANKSHA M.; VANDANA, MADHUSOODHANAN; KARMODIYA, KRISHANPAL; GNANAPRAKASAM, BOOPATHY  
**Title** Peroxidation of 2-oxindole and barbituric acid derivatives under batch and continuous flow using an eco-friendly ethyl acetate solvent  
**Citation** Reaction Chemistry & Engineering, 4(7), 1277-1283.  
**Publisher** Royal Society of Chemistry  
**URI** <https://doi.org/10.1039/c9re00068b>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3747>  
**Date of Publication** 24-04-2019

**Author(s)** DESWAL, SWATI; SINGH, SACHIN KUMAR; Rambabu, P.; Kulkarni, Priyangi; Vaitheeswaran, G.; Praveenkumar, B.; OGALE, SATISHCHANDRA; BOOMISHANKAR, RAMAMOORTHY

**Title** Flexible Composite Energy Harvesters from Ferroelectric A2MX4-Type Hybrid Halogenometallates

**Citation** Chemistry of Materials, 31(12), 4545-4552.

**Publisher** American Chemical Society

**URI** <https://doi.org/10.1021/acs.chemmater.9b01227>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3750>

**Date of Publication** 03-06-2019

**Author(s)** MAHOR, YOGESH; MIR, WASIM J.; NAG, ANGSUMAN

**Title** Synthesis and Near-Infrared Emission of Yb-Doped Cs2AgInCl6 Double Perovskite Microcrystals and Nanocrystals

**Citation** Journal of Physical Chemistry C, 123(25), 15787-15793.

**Publisher** American Chemical Society

**URI** <https://doi.org/10.1021/acs.jpcc.9b02456>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3749>

**Date of Publication** 06-06-2019

**Author(s)** Murugesan, A.; SIVARAM, SWAMINATHAN

**Title** Understanding structure and composition of thermally rearranged polymers based on small molecule chemistry: A perspective

**Citation** Polymer International.

**Publisher** Wiley

**URI** <https://doi.org/10.1002/pi.5869>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3765>

**Date of Publication** 05-06-2019

**Author(s)** NANDI, ADITI; GHOSH, CHANDRAMOULI; Bajpai, Aman; Basu, Sudipta

**Title** Graphene oxide nanocells for impairing topoisomerase and DNA in cancer cells

**Citation** Journal of Materials Chemistry B, 7(26), 4191-4197.

**Publisher** Royal Society of Chemistry

**URI** <https://doi.org/10.1039/C9TB00336C>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3758>

**Date of Publication** 30-05-2019

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**Author(s)** PATIL, SOHAN; PANDEY, SHALINI; Singh, Amit; Radhakrishna, Mithun; Basu, Sudipta  
**Title** Hydrazide-Hydrazone Small Molecules as AIEgens: Illuminating Mitochondria in Cancer Cells  
**Citation** Chemistry-A European Journal, 25(35), 8229-8235.  
**Publisher** Wiley  
**URI** <https://doi.org/10.1002/chem.201901074>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3746>  
**Date of Publication** 21-06-2019

**Author(s)** Rizvi, Arshad; YOUSF, SALEEM; Balakrishnan, Kannan; Dubey, Harish Kumar; Mande, Shekhar C.; CHUGH, JEETENDER; Banerjee, Sharmistha  
**Title** Metabolomics Studies To Decipher Stress Responses in Mycobacterium smegmatis Point to a Putative Pathway of Methylated Amine Biosynthesis  
**Citation** Journal of Bacteriology, 201(15).  
**Publisher** American Society for Microbiology  
**URI** <https://doi.org/10.1128/JB.00707-18>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3741>  
**Date of Publication** 28-05-2019

**Author(s)** ROY, BIBHISAN; HAZRA, PARTHA  
**Title** Nucleophilicity and pH of water inside lipidic nano-channels of lyotropic liquid crystalline phases  
**Citation** Journal of Molecular Liquids, 285, 178-184.  
**Publisher** Elsevier B.V.  
**URI** <https://doi.org/10.1016/j.molliq.2019.03.124>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3779>  
**Date of Publication** 01-07-2019

**Author(s)** SANDANARAJ, BRITTO S.; REDDY, MULLAPUDI MOHAN; RAO, KASULADEVU JAGANNADHA; BHANDARI, PAVANKUMAR JANARDHAN  
**Title** Rational Design of Semi-Synthetic Protein Complexes with the Defined Oligomeric State  
**Citation** Chemistry Select, 4(20), 6397-6402.  
**Publisher** Wiley  
**URI** <https://doi.org/10.1002/slct.201901317>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3756>  
**Date of Publication** 31-05-2019

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**Author(s)** SANDANARAJ, BRITTO; BHANDARI, PAVANKUMAR JANARDHAN; REDDY, MULLAPUDI MOHAN; LOHOTE, AKSHAY BHAGWAN; Sahoo, Bankanidhi  
**Title** Design, Synthesis and Self-assembly Studies of Suite of Monodisperse Facially Amphiphilic Protein-Dendron Conjugates  
**Citation** ChemBioChem.  
**Publisher** Wiley  
**URI** <https://doi.org/10.1002/cbic.201900341>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3759>  
**Date of Publication** 18-07-2019

**Author(s)** THIMMAPPA, RAVIKUMAR; GAUTAM, MANU; DEVENDRACHARI, MRUTHYUNJAYACHARI CHATTANAHALLI; KOTTAICHAMY, ALAGAR RAJA; BHAT, ZAHID MANZOOR; Umar, Ahmed; THOTIYL. MUSTHAFA OTTAKAM  
**Title** Proton conducting graphene membrane electrode assembly for high performance hydrogen fuel cell  
**Citation** ACS Sustainable Chemistry & Engineering.  
**Publisher** American Chemical Society  
**URI** <https://doi.org/10.1021/acssuschemeng.9b02917>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3763>  
**Date of Publication** 21-07-2019

**Author(s)** VEERESH, KURUVA; GOPI, HOSAHUDYA N.  
**Title** Design of Helical Peptide Foldamers through  $\alpha, \beta \rightarrow \beta, \gamma$  Double-Bond Migration  
**Citation** Organic Letter, 21(12), 4500-4504.  
**Publisher** American Chemical Society  
**URI** <https://doi.org/10.1021/acs.orglett.9b01365>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3751>  
**Date of Publication** 03-06-2019

## Earth and Climate Sciences

**Author(s)** SAMANTA, ANUPAM; TRIPATHY, GYANA RANJAN; DAS, RITIMA  
**Title** Temporal Variations in Water Chemistry of the (Lower) Brahmaputra River: Implications to Seasonality in Mineral Weathering.  
**Citation** Geochemistry, Geophysics, Geosystems.  
**Publisher** American Geophysical Union  
**URI** <https://doi.org/10.1029/2018GC008047>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3766>  
**Date of Publication** 20-05-2019

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**Author(s)** SARKAR, SUDIPTA; Basak, Chandranath; Frank, Martin; Berndt, Christian; Huuse, Mads; Badhanis, Shray; Bialas, Joerg  
**Title** Late Eocene onset of the Proto-Antarctic Circumpolar Current  
**Citation** Scientific Reports, 9.  
**Publisher** Springer Nature  
**URI** <https://doi.org/10.1038/s41598-019-46253-1>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3787>  
**Date of Publication** 12-07-2019

## MATHEMATICS

**Author(s)** BISWAS, ANUP; Lorinczi, Jozsef  
**Title** Maximum Principles and Aleksandrov-Bakelman-Pucci Type Estimates for Nonlocal SchroOdinger Equations with Exterior Conditions  
**Citation** SIAM Journal on Mathematical Analysis, 51(3), 1543-1581.  
**Publisher** Society for Industrial and Applied Mathematics  
**URI** <https://doi.org/10.1137/18M1171722>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3783>  
**Date of Publication** 02-05-2019

**Author(s)** BHAGWAT, PANKAJ; Marchand, Eric  
**Title** On a Proper Bayes, but Inadmissible Estimator  
**Citation** American Statistician.  
**Publisher** Taylor and Francis  
**URI** <https://doi.org/10.1080/00031305.2019.1604432>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3770>  
**Date of Publication** 31-05-2019

## PHYSICS

**Author(s)** AGARWALLA, BIJAY KUMAR; Kulkarni, Manas; Segal, Dvira  
**Title** Photon statistics of a double quantum dot micromaser: Quantum treatment  
**Citation** Physical Review B, 100(3).  
**Publisher** American Physical Society  
**URI** <https://doi.org/10.1103/PhysRevB.100.035412>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3743>  
**Date of Publication** 10-07-2019

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**Author(s)** AGASTHYA, LOKAHITH; Picardo, Jason R.; Ravichandran, S.; Govindarajan, Rama; Ray, Samriddhi Sankar  
**Title** Understanding droplet collisions through a model flow: Insights from a Burgers vortex  
**Citation** Physical Review E, 99(6).  
**Publisher** American Physical Society  
**URI** <https://doi.org/10.1103/PhysRevE.99.063107>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3782>  
**Date of Publication** 25-06-2019

**Author(s)** BANSODE, UMESH; RAHMAN, ATIKUR; OGALE, SATISHCHANDRA  
**Title** Low-temperature processing of optimally polymer-wrapped alpha-CsPbI<sub>3</sub> for self-powered flexible photo-detector application  
**Citation** Journal of Materials Chemistry C, 7(23), 6986-6996.  
**Publisher** Royal Society of Chemistry  
**URI** <https://doi.org/10.1039/C9TC01292C>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3767>  
**Date of Publication** 07-05-2019

**Author(s)** Bardhan, Debjyoti; GHOSH, DIPTIMOY  
**Title** B-meson charged current anomalies: The post-Moriond 2019 status  
**Citation** Physical Review D, 100(1).  
**Publisher** American Physical Society  
**URI** <https://doi.org/10.1103/PhysRevD.100.011701>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3742>  
**Date of Publication** 10-07-2019

**Author(s)** BHALERAO, RAJEEV S.; Giacalone, Giuliano et al.  
**Title** Relating Eccentricity Fluctuations to Density Fluctuations in Heavy-ion Collisions  
**Citation** Acta Physica Polonica B, 50(6), 1165-1176.  
**Publisher** Jagiellonian University Press  
**URI** <https://doi.org/10.5506/APhysPolB.50.1165>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3755>  
**Date of Publication** JUN-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 final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV

**Citation** Journal of High Energy Physics.

**Publisher** Springer Nature

**URI** [https://doi.org/10.1007/JHEP06\(2019\)143](https://doi.org/10.1007/JHEP06(2019)143)

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3760>

**Date of Publication** 28-06-2019

**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** Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state

**Citation** Physical Review D, 99(11).

**Publisher** American Physical Society

**URI** <https://doi.org/10.1103/PhysRevD.99.112003>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3769>

**Date of Publication** 11-06-2019

**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 a low-mass tau(-)tau(+) resonance in association with a bottom quark in proton-proton collisions at root s=13 TeV

**Citation** Journal of High Energy Physics.

**Publisher** Springer Nature

**URI** [https://doi.org/10.1007/JHEP05\(2019\)210](https://doi.org/10.1007/JHEP05(2019)210)

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3771>

**Date of Publication** 31-05-2019

**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** An embedding technique to determine tau tau backgrounds in proton-proton collision data

**Citation** Journal of Instrumentation,14.

**Publisher** IOP Publishing

**URI** <https://doi.org/10.1088/1748-0221/14/06/P06032>

**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3781>

**Date of Publication** 21-06-2019

**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 a heavy pseudoscalar boson decaying to a Z and a Higgs boson at root s=13TeV  
**Citation** European Physical Journal C, 79(7).  
**Publisher** Springer  
**URI** <https://doi.org/10.1140/epjc/s10052-019-7058-z>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3745>  
**Date of Publication** 03-07-2019

**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 the associated production of the Higgs boson and a vector boson in proton-proton collisions at  $s/\sqrt{s} = 13$  TeV via Higgs boson decays to  $\tau$  leptons  
**Citation** Journal of High Energy Physics.  
**Publisher** Springer Nature  
**URI** [https://doi.org/10.1007/JHEP06\(2019\)093](https://doi.org/10.1007/JHEP06(2019)093)  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3772>  
**Date of Publication** 19-06-2019

**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** Combined measurements of Higgs boson couplings in proton- proton collisions at  $\sqrt{s}=13\text{TeV}$   
**Citation** European Physical Journal C, 79(5).  
**Publisher** Springer Nature  
**URI** <https://doi.org/10.1140/epjc/s10052-019-6909-y>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3762>  
**Date of Publication** 20-05-2019

**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** Studies of Beauty Suppression via Nonprompt D-0 Mesons in Pb-Pb Collisions at root s(NN)=5.02 TeV  
**Citation** Physical Review Letters, 123(2).  
**Publisher** American Physical Society  
**URI** <https://doi.org/10.1103/PhysRevLett.123.022001>  
**DR URI** <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/3788>  
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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.; RASTOGI, S.; SHARMA, S. et al.  
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**Author(s)** DESWAL, SWATI; SINGH, SACHIN KUMAR; Rambabu, P.; Kulkarni, Priyangi; Vaitheeswaran, G.; Praveenkumar, B.; OGALE, SATISHCHANDRA; BOOMISHANKAR, RAMAMOORTHY  
**Title** Flexible Composite Energy Harvesters from Ferroelectric A2MX4-Type Hybrid Halogenometallates  
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**Author(s)** HARSHITH, B. S.; Samanta, G. K.  
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**Author(s)** KUMAR, AANJANEYA; GOSWAMI, YAGYIK; SANTHANAM, M.S.  
**Title** Distinct nodes visited by random walkers on scale-free networks  
**Citation** Physica A: Statistical Mechanics and its Applications, 532.  
**Publisher** Elsevier B.V.  
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**Author(s)** MALVIMAT, VINAY; Mondal, Sayid; Paul, Boudhayan; Sengupta, Gautam  
**Title** Covariant holographic entanglement negativity for disjoint intervals in AdS3/CFT2  
**Citation** European Physical Journal C, 79(6).  
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**Author(s)** MALVIMAT, VINAY; Parihar, Himanshu; Paul, Boudhayan; Sengupta, Gautam  
**Title** Entanglement negativity in Galilean conformal field theories  
**Citation** Physical Review D, 100(2).  
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**Author(s)** PARMAR, SWATI; PAL, SHIV; BISWAS, ABHIJIT; Gosavi, Suresh; Chakraborty, Sudip; REDDY, MALLU CHENNA; OGALE, SATISHCHANDRA  
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**Publisher** Royal Society of Chemistry  
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