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Biology

Author(s) **Dar, Srishti; Kamerkar, Sukrut and Pucadyil, Thomas**
Title A high-throughput platform for real-time analysis of membrane fission reactions reveals dynamin function
Name of the Journal Nature Cell Biology
Date of Publication 19-OCT-2015
Name of the Publisher Macmillan Publishers Limited
DOI 10.1038/ncb3254

Author(s) **Handu, Mithila; Kaduskar, Bhagyashree; Ravindranathan, Ramya; Soory, Amarendranath; Giri, Ritika; Elango, Vijay Barathi; Gowda, Harsha and Ratnaparkhi, Girish S.**
Title SUMO-enriched proteome for Drosophila innate immune response.
Name of the Journal G3-genes genomes genetics
Volume No. 5
Issue No. 10
Page No. 2137-2154
Date of Publication 01-OCT-2015
Name of the Publisher Genetics Society America
DOI 10.1534/g3.115.020958

Author(s) **Bharne, Ashish P.; Borkar, Chandrashekhar D.; Subhedar, Nishikant K. and Kokare, Dadasaheb M.**
Title Differential expression of CART in feeding and reward circuits in binge eating rat model.
Name of the Journal Behavioural Brain Research
Volume No. 291
Page No. 219-231
Date of Publication 15-SEP 2015
Name of the Publisher Elsevier
DOI 10.1016/j.bbr.2015.05.030

Chemistry

Author(s) **Ellipilli, Satheesh and Ganesh, Krishna N.**
Title Fluorous Peptide Nucleic Acids: PNA Analogues with Fluorine in Backbone (γ -CF₂-apg-PNA) Enhance Cellular Uptake
Name of the Journal Journal of Organic Chemistry
Volume No. 80
Issue No. 18
Page No. 9185-9191
Date of Publication 18-SEP-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acs.joc.5b01614

Author(s) **Mir, Wasim J.; Swarnkar, Abhishek;** Sharma, Rituraj; **Katti, Aditya;** Adarsh, K. V. and **Nag, Angshuman**
Title Origin of unusual excitonic absorption and emission from colloidal ag₂s nanocrystals: ultrafast photophysics and solar cell
Name of the Journal Journal of Physical Chemistry Letters
Volume No. 6
Issue No. 19
Page No. 3915-3922
Date of Publication 01-OCT-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acs.jpcllett.5b01692

Earth and Climate Sciences

Author(s) **Tripathy , Gyana Ranjan;** Hannah, Judith L.; Stein , Holly J.; Geboy, Nicholas J. and Ruppert, Leslie F.
Title Radiometric dating of marine-influenced coal using Re–Os geochronology
Name of the Journal Earth and Planetary Science Letters
Volume No. 432
Page No. 13-23
Date of Publication 15-DEC-2015
Name of the Publisher Elsevier
DOI 10.1016/j.epsl.2015.09.030

Author(s) Kulkarni, Kantimati G. and **Panchang, Rajani.**
Title New Insights into Polychaete Traces and Fecal Pellets: Another Complex Ichnotaxon?
Name of the Journal Plos One
Volume No. 10
Issue No. 10
Date of Publication 06-OCT-2015
Name of the Publisher Public Library of Science
DOI 10.1371/journal.pone.0139933

Humanities and Social Sciences

Author(s) **Mathew, John**
Title Edward Blyth, John M'Clelland, the curatorship of the Asiatic Society's collections and the origins of the Calcutta journal of natural history.
Name of the Journal Archives of natural history
Volume No. 42
Issue No. 2
Page No. 265–278
Date of Publication OCT-2015
Name of the Publisher Society for the History of Natural History
DOI <http://dx.doi.org/10.3366/anh.2015.0311>

Mathematics

Author(s) **Chorwadwala, Anisa M. H.** and Mahadevan, Rajesh
Title An eigenvalue optimization problem for the p-Laplacian
Name of the Journal Proceedings of the Royal Society of Edinburgh: Section A Mathematics
Date of Publication 08-OCT-2015
Name of the Publisher Cambridge University Press
DOI <http://dx.doi.org/10.1017/S0308210515000232>

Physics

Author(s) Khachatryan, V. and **Sharma, S.** et al
Title Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at root s=8TeV.
Name of the Journal Journal of high energy physics
Volume No. 9
Issue No. 201
Date of Publication 29-SEP-2015
Name of the Publisher Springer
DOI 10.1007/JHEP09(2015)201

Author(s) **Karmakar, Koushik; Bag, Rabindranath and Singh, Surjeet**
Title Crystal Growth of Spin Chain Compound Sr₂CuO₃ Doped with Quantum Defects: Zn, Co, Ni, and Mn
Name of the Journal Crystal Growth & Design
Volume No. 15
Issue No. 10
Page No. 4843–4853
Date of Publication 21-AUG-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acs.cgd.5b00652

Author(s) **Basu, Rudranil**
Title Higher spin de Sitter quantum gravity
Name of the Journal Journal of high energy physics
Date of Publication 23-OCT-2015
Name of the Publisher Springer
DOI 10.1007/JHEP10(2015)151

Author(s) Bhosale, Reshma; Kelkar, Sarika; **Parte, Golu;** Fernandes, Rohan;
Kothari, Dushyant and **Ogale, Satishchandra**
Title NiS_{1.97}: A New Efficient Water Oxidation Catalyst for Photoelectrochemical Hydrogen Generation
Name of the Journal ACS Applied Materials & Interfaces
Volume No. 7
Issue No. 36
Page No. 20053-20060
Date of Publication 16-SEP-2015
Name of the Publisher American Chemical Society
DOI 10.1021/acsami.5b05077

Author(s)	Kulkarni, Amruta; Lele, Ashish; Sivaram, Swaminathan; Rajamohanan, P.R.; Velankar, Sachin and Chatterji, Apratim
Title	Star Telechelic Poly(l-lactide) Ionomers
Name of the Journal	Macromolecules
Volume No.	48
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Page No.	6580–6588
Date of Publication	22-SEP-2015
Name of the Publisher	American Chemical Society
DOI	10.1021/acs.macromol.5b01854

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