



SRINIVASA RAMANUJAN LIBRARY

New Publications of Faculty, Scientists and Students of IISER Pune - Jan 2018.

Contents

Subject	Page No.
Biology	2
Chemistry	2
Humanities and Social Sciences	4
Physics	4

Biology

Author(s) **Sawant, A. A.; Galande, S. and Srivatsan, S.G.**
Title Imaging Newly Transcribed RNA in Cells by Using a Clickable Azide-Modified UTP Analog
Name of the Journal RNA Detection
Vol. No. 1649
Page No. 359-371
Date of Publication Jan -2018
Name of the Publisher Springer
DOI https://doi.org/10.1007/978-1-4939-7213-5_24

Author(s) **Manjunath, G. P.; Ramanujam, Praveena L. and Galande, Sanjeev.**
Title Structure function relations in PDZ-domain-containing proteins: Implications for protein networks in cellular signalling
Name of the Journal Journal of Biosciences
Page No. 1-17
Date of Publication 30-Dec-2017
Name of the Publisher Springer
DOI <https://doi.org/10.1007/s12038-017-9727-0>

Author(s) **Natarajan, Bhavani; Kalsi, Harpreet S.; Godbole, Prajakta; Malankar, Nilam;** Thiagarayaselvam, Aarth; Siddappa, Sundaresha; Thulasiram, Hirekodathakallu V.; Chakrabarti, Swarup K. and **Banerjee, Anjan K.**
Title MiRNA160 is Associated with Local Defense and Systemic Acquired Resistance of Potato against Phytophthora Infestans Infection
Name of the Journal Journal of Experimental Botany
Date of Publication 30-Jan -2018
Name of the Publisher Oxford University Press
DOI <https://doi.org/10.1093/jxb/ery025>

Chemistry

Author(s) **Sawant, A. A.; Galande, S. and Srivatsan, S.G.**
Title Imaging Newly Transcribed RNA in Cells by Using a Clickable Azide-Modified UTP Analog
Name of the Journal RNA Detection
Vol. No. 1649
Page No. 359-371
Date of Publication Jan -2018
Name of the Publisher Springer
DOI https://doi.org/10.1007/978-1-4939-7213-5_24

Author(s) **Bhat, Zahid Manzoor; Thimmappa, Ravikumar; Devendrachari, Mruthyunjayachari Chattanahalli; Kottaichamy, Alagar Raja; Shafi, Shahid Pottachola; Varhade, Swapnil; Gautam, Manu and Thotiyl, Musthafa Ottakam.**

Title Fuel Exhaling Fuel Cell

Name of the Journal The Journal of Physical Chemistry Letters

Vol. No. 09

Issue No. 02

Page No. 388 – 392

Date of Publication 02-Jan-2018

Name of the Publisher American Chemical Society

DOI [10.1021/acs.jpcllett.7b03100](https://doi.org/10.1021/acs.jpcllett.7b03100)

Author(s) **Khaire, Siddhi; Gaikwad, Pramod; Aralekallu, Shambhulinga; Bhat, Zahid Manzoor; Kottaichamy, Alagar Raja; Devendrachari, Mruthyunjayachari Chattanahalli; Thimmappa, Ravikumar; Shafi, Shahid Pottachola; Gautam, Manu and Thotiyl, Musthafa Ottakam.**

Title An Interface-Controlled Redox Switch for Wastewater Remediation

Name of the Journal ChemElectroChem

Vol. No. 05

Issue No. 02

Page No. 362–366

Date of Publication 01-Jan-2018

Name of the Publisher John Wiley & Sons

DOI [10.1002/celec.201700942](https://doi.org/10.1002/celec.201700942)

Author(s) Schafzahl, Bettina; Mourad, Eleonore; Schafzahl, Lukas; Petit, Yann K.; **Raju, Anjana R.; Thotiyl, Musthafa Ottakam;** Wilkening, Martin; Slugovc, Christian and Freunberger, Stefan A.

Title Quantifying Total Superoxide, Peroxide, and Carbonaceous Compounds in Metal–O₂ Batteries and the Solid Electrolyte Interphase

Name of the Journal ACS Energy Letters

Vol. No. 03

Issue No. 01

Page.No 170-176

Date of Publication 18-Dec-2017

Name of the Publisher American Chemical Society

DOI [10.1021/acsenergylett.7b01111](https://doi.org/10.1021/acsenergylett.7b01111)

Author(s) **Karmakar, Avishek; Samanta, Partha; Desai, Aamod V. and Ghosh, Sujit K.**
Title Guest-Responsive Metal–Organic Frameworks as Scaffolds for Separation and Sensing Applications.
Name of the Journal Accounts of Chemical Research
Vol. No. 50
Issue No. 10
Page.No 1093-1103
Date of Publication 05-Sept-2017
Name of the Publisher American Chemical Society
DOI [10.1021/acs.accounts.7b00151](https://doi.org/10.1021/acs.accounts.7b00151)

Humanities and Social Sciences

Author(s) **Mathew, John.**
Title Toxic Histories: Poison and Pollution in Modern India
Name of the Journal ISIS
Vol. No. 108
Issue No. 04
Page.No 922-923
Date of Publication Dec-2017
Name of the Publisher University Chicago Press
DOI <http://www.journals.uchicago.edu/doi/pdfplus/10.1086/695790>

Author(s) **Pai R, Venketeswara** and Sriram, M.S.
Title Madhyāhna-kālalagna in Karaṇapaddhati of Putumana Somayājī,
Name of the Journal Ganita Bharati : Bulletin of The Indian Society for History of Mathematics
Vol. No. 39
Issue No. 01
Page.No 55-74
Date of Publication Dec-2017
Name of the Publisher Print Publications
DOI <https://www.springer.com/gp/book/9789811068133>

Physics

Author(s) **Agarwal, Tejal;** Manjunath, G. P.; Habib, Farhat;
Vaddavalli, Pavana Lakshmi; and **Chatterji, Apratim.**
Title Role of special cross-links in structure formation of bacterial DNA polymer
Name of the Journal Journal of Physics: Condensed Matter
Vol. No. 30
Date of Publication 20-Dec-2017
Name of the Publisher Journal of Physics: Condensed Matter
DOI <https://doi.org/10.1088/1361-648X/aa9e66>

Go to top

Author(s) **Babar, Rohit and Kabir, Mukul.**
Title Engineering the Kondo state in two-dimensional
semiconducting phosphorene
Name of the Journal Physical Review B
Vol. No. 97
Issue .No. 04
Date of Publication 15-Jan-2018
Name of the Publisher American Physical Society
DOI <https://doi.org/10.1103/PhysRevB.97.045132>

Author(s) **Ananth, Sudarshan;** Brink, Lars and **Majumdar, Sucheta.**
Title E₈ in N=8 supergravity in four dimensions
Name of the Journal Journal of High Energy Physics
Vol. No. 24
Date of Publication 08-Jan-2018
Name of the Publisher Springer
DOI [https://doi.org/10.1007/JHEP01\(2018\)024](https://doi.org/10.1007/JHEP01(2018)024)

Author(s) **Das, Sruthy Jyothi;** Giacalone, Giuliano; Monard, Pierre-Amaury
and Ollitrault, Jean-Yves
Title Relating centrality to impact parameter in nucleus-nucleus
collisions
Name of the Journal Physical Review C
Vol. No. 97
Issue .No. 01
Date of Publication 01-Jan-2018
Name of the Publisher American Physical Society
DOI <https://doi.org/10.1103/PhysRevC.97.014905>

Author(s) Kontar, E. P.; Yu, S.; Kuznetsov, A. A.; Emslie, A. G.; Alcock, B.;
Jeffrey, N. L. S.; Melnik, V. N.; Bian, N. H. and **Subramanian, P.**
Title Imaging spectroscopy of solar radio burst fine structures
Name of the Journal Nature Communications
Vol. No. 09
Date of Publication 11-Jan-2018
Name of the Publisher Nature Publishing Group
DOI [10.1038/s41467-017-02464-6](https://doi.org/10.1038/s41467-017-02464-6)

Go to top