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- Author(s) Allen, Bullock; Joshua, Matthew; **Sen, Neeladri**;  
Thalassinos, Konstantinos and Topf, Maya  
Title Modeling Protein Complexes Using Restraints from Crosslinking  
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Name of the Publisher Cell Press  
DOI <https://doi.org/10.1016/j.str.2018.04.016>
- Author(s) Kulkarni, Aboli; Upadhye, Anuradha; **Dahanukar, Neelesh** and  
Datar, Mandar N.  
Title [Floristic uniqueness and effect of degradation on diversity: A case  
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Date of Publication April-2018  
Name of the Publisher International Society for Tropical Ecology
- Author(s) **Jangid, Rahul Kumar; Kelkar, Ashwin; Muley, Vijaykumar Yogesh;**  
**Galande, Sanjeev**  
Title An Adverse Effect of Higher Catalyst Loading and Longer Reaction  
Time on Enantioselectivity in an Organocatalytic Multicomponent  
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Name of the Journal BMC Genomics  
Vol. No. 19  
Date of Publication 02-May-2018  
Name of the Publisher Biomed Central Ltd.  
DOI [10.1186/s12864-018-4697-7](https://doi.org/10.1186/s12864-018-4697-7)

Author(s) Ulrich, Emily C.; **Kamat, Siddhesh S.**; Hove-Jensen, Bjarne; Zechel, David L.  
Title Methylphosphonic Acid Biosynthesis and Catabolism in Pelagic Archaea and Bacteria  
Name of the Journal Methods in Enzymology  
Date of Publication 03-May-2018  
Name of the Publisher Elsevier  
DOI <https://doi.org/10.1016/bs.mie.2018.01.039>

## Chemistry

Author(s) **Khopade, Tushar M.; Mete, Trimbak B.; Arora, Jyotsna S.; Bhat, Ramakrishna G.**  
Title An Adverse Effect of Higher Catalyst Loading and Longer Reaction Time on Enantioselectivity in an Organocatalytic Multicomponent Reaction  
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Author(s) **Kadam, Vijay N.; Saikrishnan, Kayarat and Ganesh, Krishna N.**  
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Author(s) **Nandi, Shyamapada; Maity, Rahul; Chakraborty, Debanjan; Ballav, Hemkalyan and Vaidhyanathan, Ramanathan**  
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Author(s) **Datta, Dhruvajyoti; Tiwaria, Omshanker and Ganesh, Krishna N.**  
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Name of the Publisher Royal Society of Chemistry  
DOI [10.1039/C7NR08436F](https://doi.org/10.1039/C7NR08436F)

Author(s) **Mukherjee, Soumya; Desai, Aamod V. and Ghos, Sujit K.**  
Title Potential of metal-organic frameworks for adsorptive separation of industrially and environmentally relevant liquid mixtures  
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DOI <https://doi.org/10.1016/j.ccr.2018.04.001>

Author(s) Dai, Hailu; Da'as, Eman Husni; **Shafi, Shahid P.**; Wang, Huiqiang;  
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Author(s) **Shanthamurthy, Chethan D.; Jain, Prashant;** Yehuda, Sharon; Monteiro, Joao T.; Ben-Arye, Shani Leviatan; **Subramani, Balamurugan;** Bernd, Lepenies ; Padler-Karavani, Vered and **Kikkeri, Raghavendra**

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DOI [10.1038/s41598-018-24333-y](https://doi.org/10.1038/s41598-018-24333-y)

Author(s) Bhauriyal, Preeti; Garg, Priyanka; **Patel, Mahendra** and Pathak, Biswarup

Title Electron-rich graphite-like electrode: stability vs. voltage for Al batteries

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DOI [10.1039/C8TA01820K](https://doi.org/10.1039/C8TA01820K)

Author(s) **Nandi, Shyamapada; Maity, Rahul; Chakraborty, Debanjan; Ballav, Hemkalyan; Vaidhyanathan, Ramanathan**

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Author(s) **Mallick, Abhik; Kuman, Meenu Mahes;** Ghosh, Arijit; Das, Benu Brata and **Basu, Sudipta**

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Author(s) **Patil, Sohan; Kuman, Meenu Mahesh; Palvai, Sandeep;** Sengupta, Poulomi and **Basu, Sudipta**  
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Name of the Publisher ACS Publications  
DOI [10.1021/acsomega.7b01512](https://doi.org/10.1021/acsomega.7b01512)

Author(s) **Nandha, Nila K. and Nag, Angshuman**  
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Author(s) **Parvin, Nasrina; Pal, Shiv;** Echeverria, JorgeJ; Alvarez, Santiago; **Khan, Shabana**  
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Author(s) Rejaul, S. K.; **Arra, Srilatha; Dharara, Barun;** Miller, Joel S.; **Kabir, Mukul and Deshpande, Aparna**  
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Author(s) **Vijayakanth, Thangavel; Srivastava, Anant Kumar;**  
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## Earth and Climate Science

Author(s) Voort, Tessa S. Van der; **Mannu, Utsav;** Blattmann, Thomas M.;  
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Title Deconvolving the Fate of Carbon in Coastal Sediments  
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Author(s) **Tripathy, Gyana Ranjan;** Hannah, Judith L. and Stein, Holly J.  
Title Refining the Jurassic-Cretaceous boundary: Re-Os geochronology and depositional environment of Upper Jurassic shales from the Norwegian Sea  
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Author(s) Arapostathis, Ari; **Biswas, Anup**  
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Author(s) Atar, Rami; **Biswas, Anup**; Kaspi, Haya and Ramanan, Kavita  
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Author(s) **Adil, D.**; Gupta, S.; Roy, S.; Saurabh, S.; Zehavi, M.  
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Author(s) Aryasomayajula, Anilatmaja and **Balasubramanyam, Baskar**  
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# Physics

AAuthor(s) Chabri, T.; **Ghosh, A.**; **Nair, Sunil**; Awasthi, A.M.; Venimadhav, A.; Nath, T.K.

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DOI <https://doi.org/10.1088/1361-6463/aaba9b>

Author(s) Sett, Shaili; Ghatak, Ankita; **Sharma, Deepak**; **Kumar, Pavan G.V.**; Raychaudhuri, A.K.

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DOI [10.1021/acs.jpcc.8b00302](https://doi.org/10.1021/acs.jpcc.8b00302)

Author(s) Chattopadhyay, Chandrodoy; **Bhalerao, Rajeev S.** and Pal, Subrata

Title Thermal noise in a boost-invariant matter expansion in relativistic heavy-ion collisions

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Name of the Publisher American Physical Society

DOI [10.1103/PhysRevC.97.054902](https://doi.org/10.1103/PhysRevC.97.054902)

Author(s) **James, Tomin** and **Subramanian, Prasad**

Title Energetics of small electron acceleration episodes in the solar corona from radio noise storm observations

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Author(s) **Pal, Soham; Nishad, Naveen; Mahesh, T.S. and Sreejith, G. J.**  
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DOI [10.1103/PhysRevLett.120.180602](https://doi.org/10.1103/PhysRevLett.120.180602)

Author(s) Rejaul, S.K.; **Arra, Srilatha; Dharara, Barun;** Miller, Joel S.;  
**Kabir, Mukul and Deshpande, Aparna**  
Title Effect of Cyano Substitution on the Step-Edge Adsorption of Copper  
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Date of Publication 04-May-2018  
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DOI [10.1021/acs.jpcc.8b02178](https://doi.org/10.1021/acs.jpcc.8b02178)

Author(s) Sirunyan, A. M.; **Chauhan, S.; Dube, S.; Hegde, V.; Kapoor, A.;**  
**Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S.** et.al.  
Title Jet properties in PbPb and pp collisions at root S-NN=5.02 TeV  
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DOI [10.1007/JHEP05\(2018\)006](https://doi.org/10.1007/JHEP05(2018)006)

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**Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S.** et.al.  
Title Identification of heavy-flavour jets with the CMS detector in pp  
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DOI [10.1088/1748-0221/13/05/P05011](https://doi.org/10.1088/1748-0221/13/05/P05011)

Author(s) 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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Author(s) Sirunyan, A. M.; Chauhan, S.; Dube, S.; Hegde, V.; Kapoor, A.; Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S. et.al.  
Title Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at root s=13 TeV  
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Author(s) Sirunyan, A. M.; Chauhan, S.; Dube, S.; Hegde, V.; Kapoor, A.; Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S. et.al.  
Title Measurement of normalized differential  $t(\bar{t})$  cross sections in the dilepton channel from pp collisions at root s=13 TeV  
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Author(s) Aaboud, M.; Chauhan, S.; Dube, S.; Hegde, V.; Kapoor, A.; Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S. et.al.  
Title Combination of inclusive and differential  $t(\bar{t})$  charge asymmetry measurements using ATLAS and CMS data at root S =7 and 8 TeV  
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**Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S.** et.al.  
Title Observation of the Higgs boson decay to a pair of tau leptons with  
the CMS detector  
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DOI [10.1016/j.physletb.2018.02.004](https://doi.org/10.1016/j.physletb.2018.02.004)

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**Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S.** et.al.  
Title Measurement of the associated production of a single top quark  
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**Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S.** et.al.  
Title Search for pair production of vector-like quarks in the  $bW(b)\overline{b}W$   
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**Kothekar, K.; Pandey, S.; Rane, A.; Sharma, S.** et.al.  
Title Comparing transverse momentum balance of b jet pairs in pp and  
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Author(s) 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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