

Materials Advances

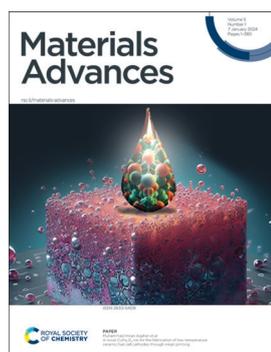
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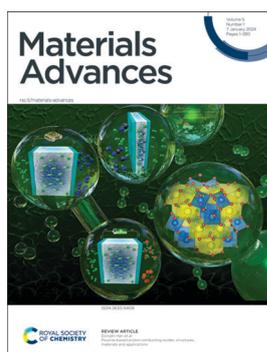
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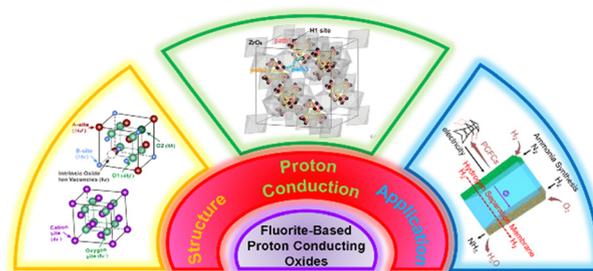
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Fluorite-based proton conducting oxides: structures, materials and applications

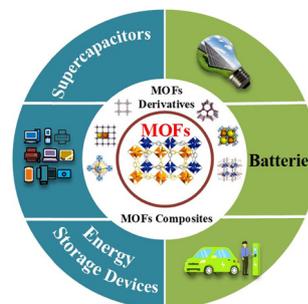
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Fundamental questions
Elemental answers

REVIEWS

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A review on zirconium-based metal–organic frameworks: synthetic approaches and biomedical applications

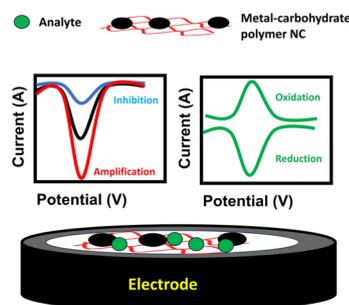
Krishna Chattopadhyay,* Manas Mandal* and Dilip Kumar Maiti*



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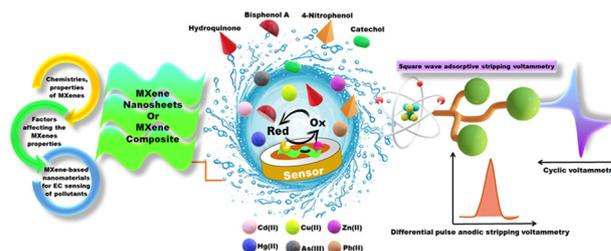
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G. Manasa and Chandra Sekhar Rout*

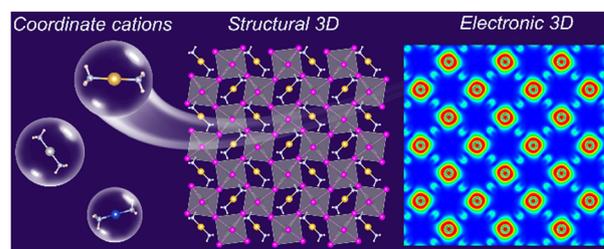


COMMUNICATIONS

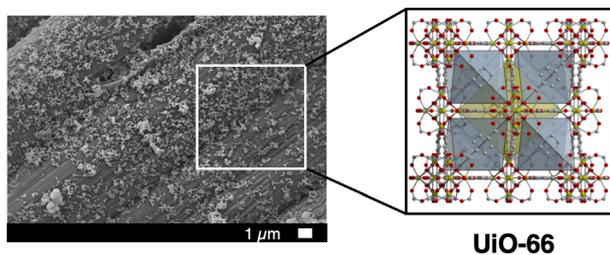
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Three-dimensional lead iodide perovskites based on complex ions

Hebin Wang, Yinye Yu, Haolin Lu, Teng Wang, Yuki Haruta, Xingzhan Wei, Guichuan Xing, Maksud I. Saidaminov, Yecheng Zhou* and Guankui Long*



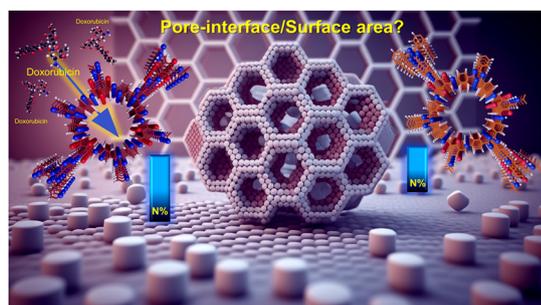
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Aerosol deposition of porous metal–organic materials onto diverse solid supports

Christine M. Montone and Eric D. Bloch*

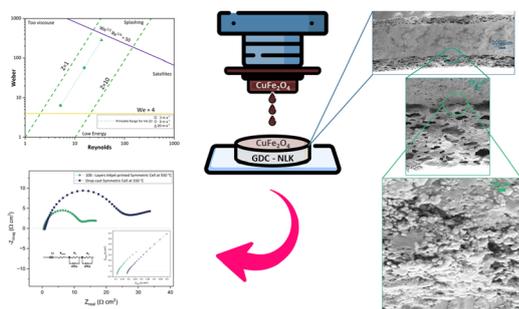
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Pore-interface engineering improves doxorubicin loading to triazine-based covalent organic framework

Preeti Rathi, Sumanta Chowdhury,* Partha Pratim Das, Anand Kumar Keshri, Anubha Chaudhary and Prem Felix Siril*

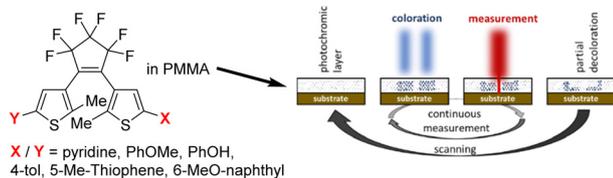
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Sanaz Zarabi Golkhatmi, Peter D. Lund and Muhammad Imran Asghar*

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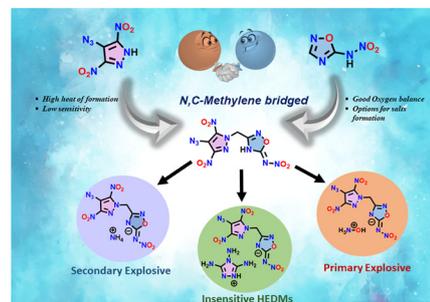
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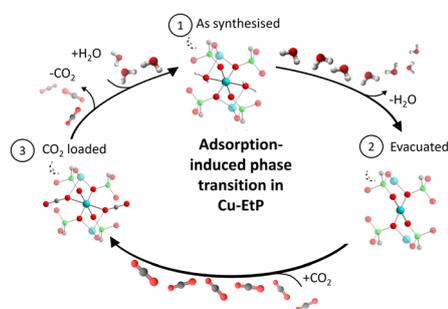
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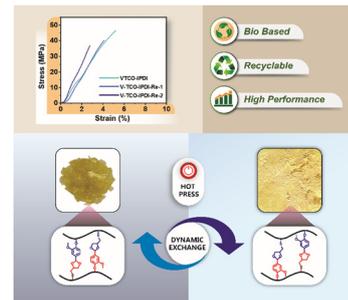
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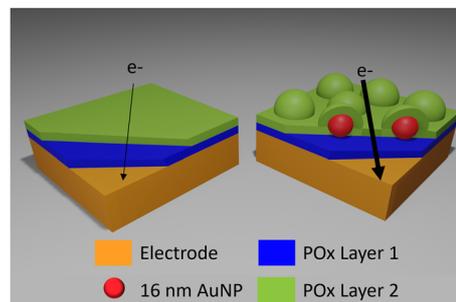
Muhammad Abu Taher, Yi Su, Xiaolin Wang,* Xiaobo Xu, Md Ahsan Habib, Jin Zhu* and Jing Chen*



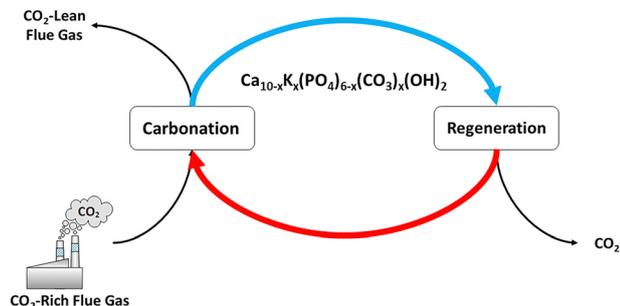
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Enhancing the conductivity of plasma polymer functionalized electrodes using gold nanoparticles

Alex Gheorghiu,* Daisy Yang, Tiexin Li, Essam M. Dief, Nadim Darwish, Craig Priest and Melanie MacGregor*



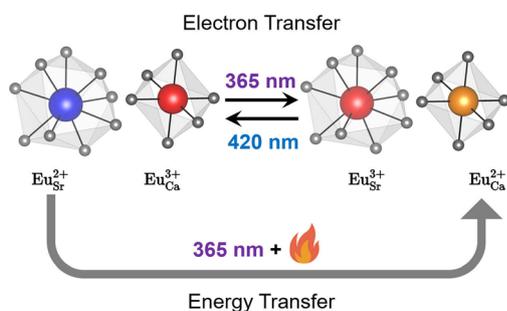
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Cycling of potassium–carbonate co-substituted hydroxyapatite compositions for improved carbon dioxide capture at 500 °C

Duncan A. Nowicki,* Iain R. Gibson and Janet M. S. Skakle

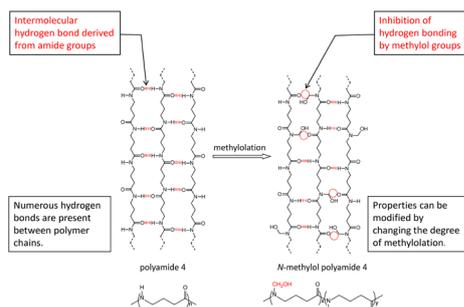
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Jieqi Hu, Philippe F. Smet, Rik Van Deun and David Van der Heggen*

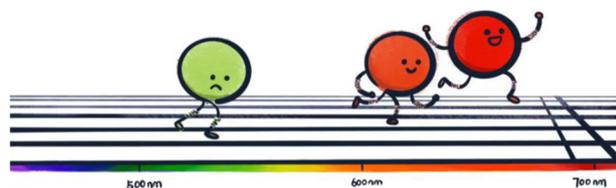
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Norioki Kawasaki,* Naoko Yamano and Atsuyoshi Nakayama

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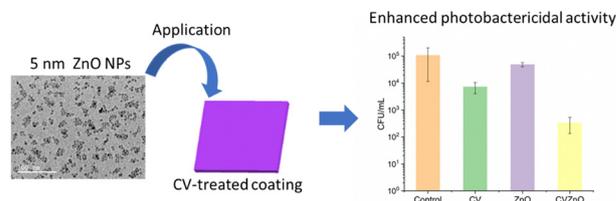
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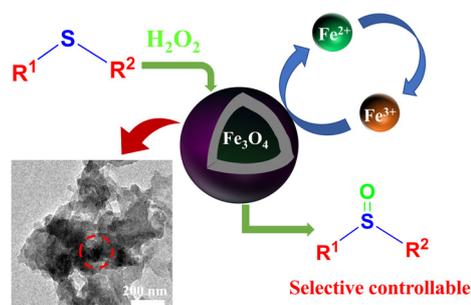
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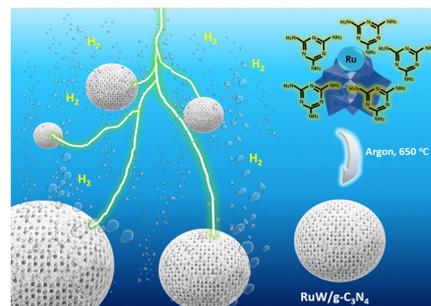
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A tailored polyoxometalate-derived RuW/g-C₃N₄-based electrocatalyst for enhanced hydrogen evolution reaction

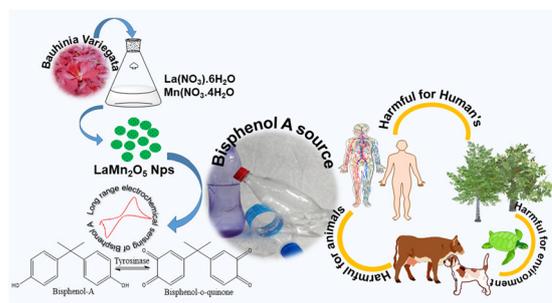
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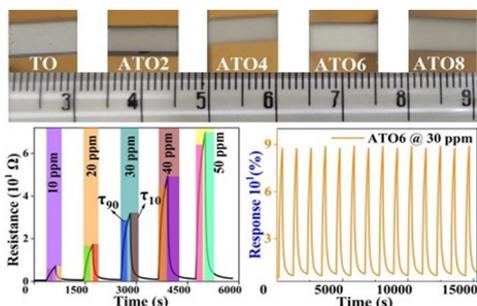
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Structuring biogenic synthesis of rare phase LaMn₂O₅ using the *Bauhinia variegata* (Kachnar) flower extract for highly sensitive, long range electrochemical detection of bisphenol-A, an endocrine disruptor

Ankur Srivastava, Kshitij RB Singh, Mrituanjay D. Pandey* and Jay Singh*



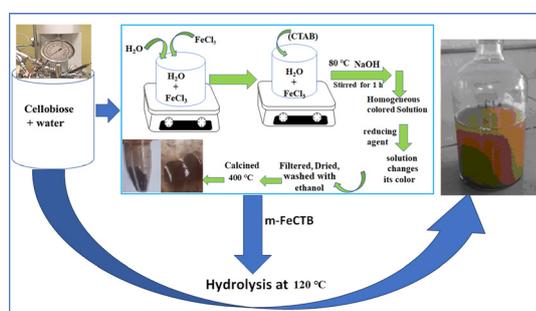
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A highly sensitive and room temperature ethanol gas sensor based on spray deposited Sb doped SnO_2 thin films

Ramarajan Ramanathan, Selvakumar Nagarajan, Surya Sathiyamoorthy, Balaji Manavaimaran, Harish C. Barshilia and Ramesh Chandra Mallik*

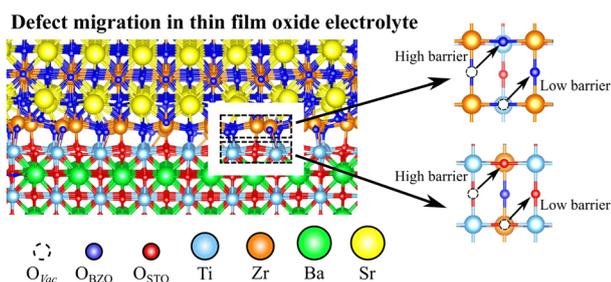
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Surfactant-assisted synthesis of zero-dimensional iron nanomaterial for cellobiose hydrolysis

Hari Singh,* Anil Kumar Sinha, Sharanmeet Kour, Suneel Singh Barheyay, Gaurav Goel and Jibanananda Mishra

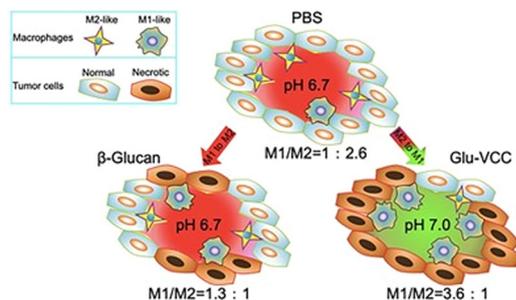
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William Ebmeyer and Pratik P. Dholabhai*

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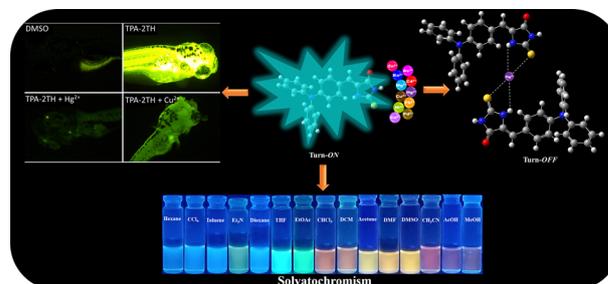
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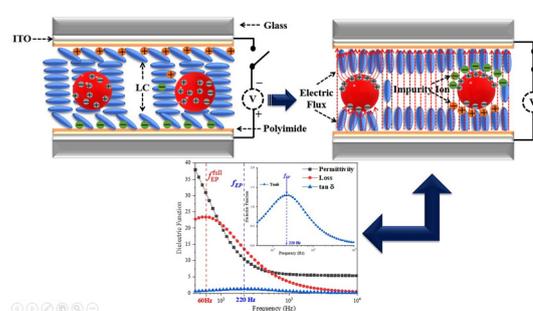
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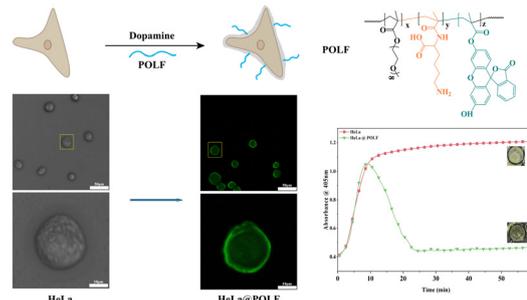
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Muhammad Naeem, Faheem Haider, Adnan Ashraf,* Saeed Ahmed,* Khalid Mujasam Batoo, Waseeq Ahmad Siddiqui, Muhammad Imran, Muhammad Asam Raza, Muhammad Pervaiz and Sajjad Hussain

