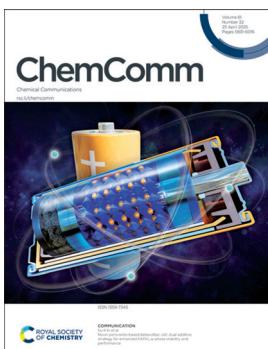


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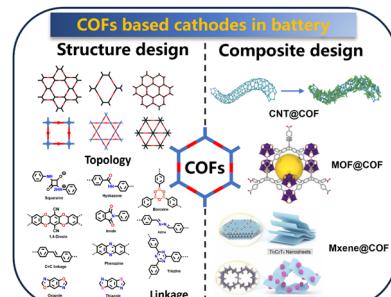
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HIGHLIGHTS

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Precision design of covalent organic frameworks for cathode applications

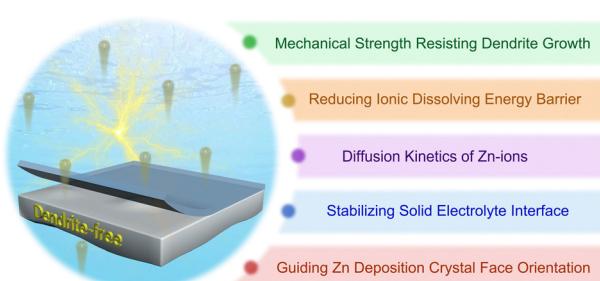
Zhiwei Zhao, Di Liu and Yang Wang*



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Advanced electrolyte strategies for dendrite-free aqueous Zn–metal batteries

Jiasen Yin, Yun Tan and Jun Pu*



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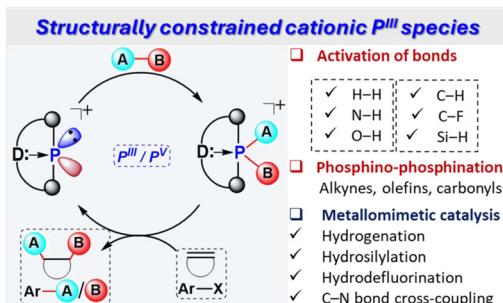
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Advancing metallomimetic catalysis through structural constraints of cationic P^{III} species

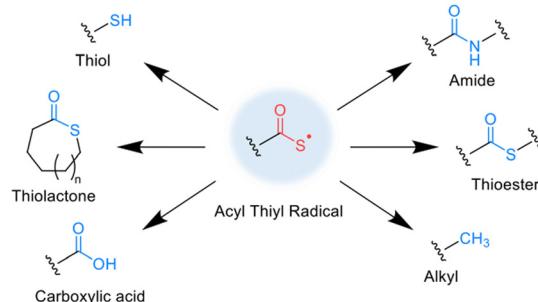
Deependra Bawari,* Donia Toami and Roman Dobrovetsky*



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Harnessing radical mediated reactions of thioacids for organic synthesis

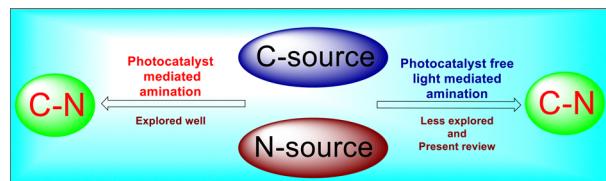
Alby Benny, Mark D. Nolan and Eoin M. Scanlan*



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Harnessing light without photocatalysts: advances in photocatalyst-free C–N bond formation

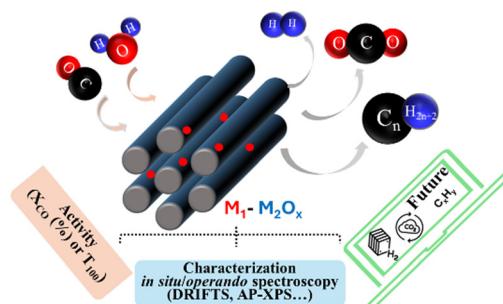
V. Murugesh and Surya Prakash Singh*



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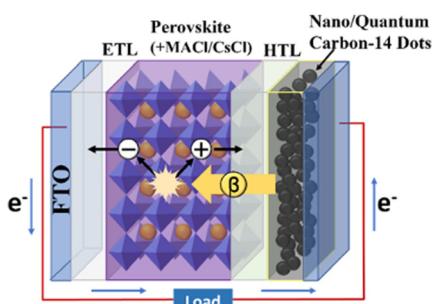
Interactions of CO and/or H₂O with mesoporous oxide-supported metal catalysts: the role of MSI effects

Lingiqian Luo,* Ling Fei, Rafael A. Hernandez and Hui Yan*



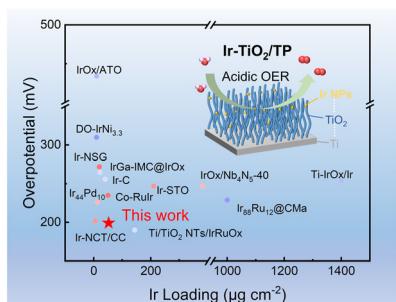
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**Novel perovskite-based betavoltaic cell: dual additive strategy for enhanced FAPbI_3 α -phase stability and performance**

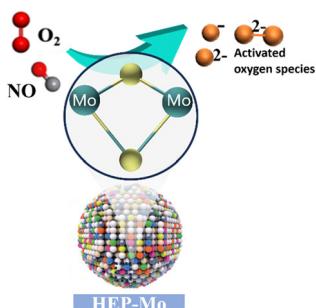
Chol Hyun Kim, Muhammad Bilal Naseem, Junho Lee, Hong Soo Kim, Sanghun Lee and Su-Il In*

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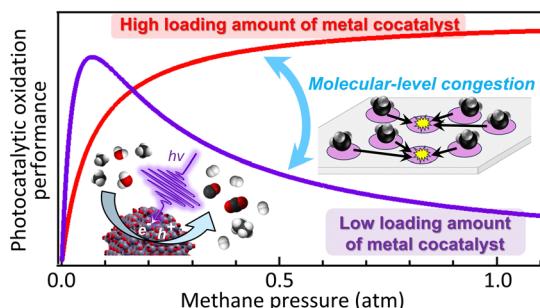
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Hiromasa Sato, Hikaru Saito, Taisuke Higashi and Toshiki Sugimoto*

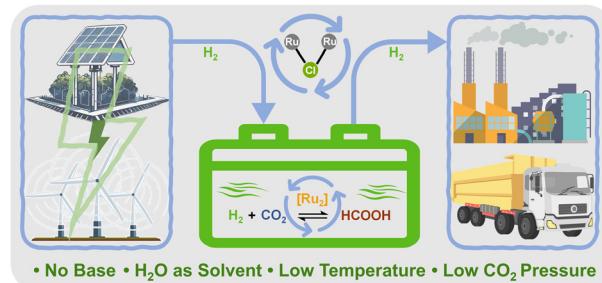


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CO₂-mediated hydrogen storage and release cycles realized by a bimetallic ruthenium complex in pure water

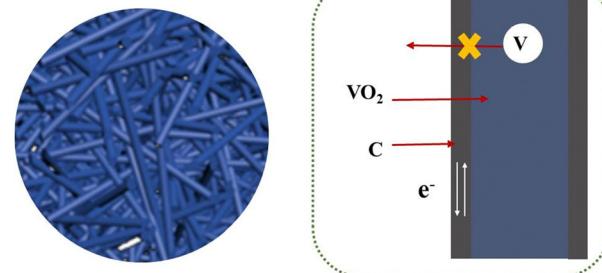
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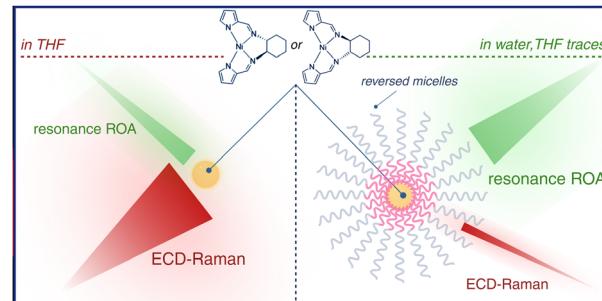
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A simple strategy for measuring the genuine resonance Raman optical activity (RROA) of nonpolar molecules

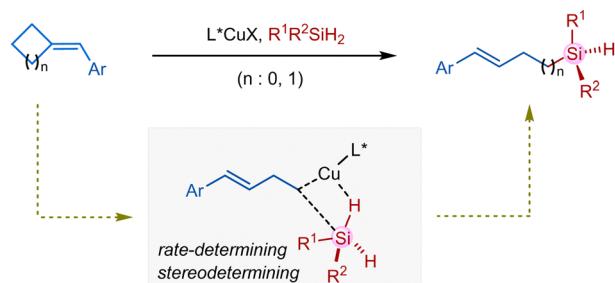
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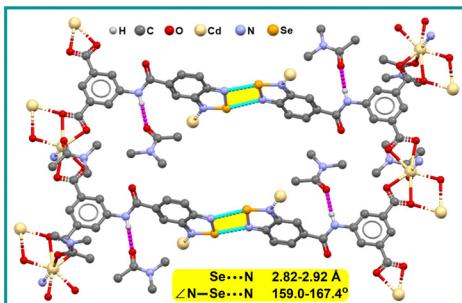
Si-stereogenic remote alkenyl monohydrosilanes enabled by CuH-catalyzed enantioselective hydrosilylation of strained methylenecyclopropanes

Wanying Xie, Dong Zhai,* Xiao-Xi Li, Weiqiao Deng and Songjie Yu*



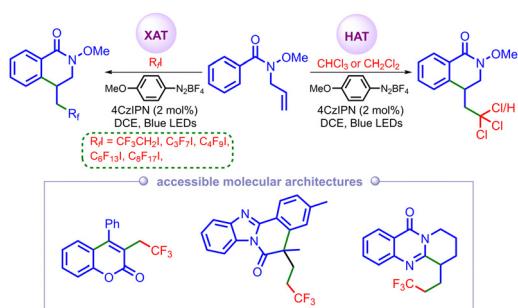
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**Chalcogen bonded metal–organic frameworks: insights from X-ray analysis and theoretical calculations**

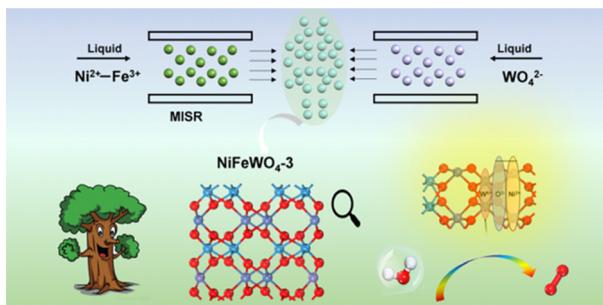
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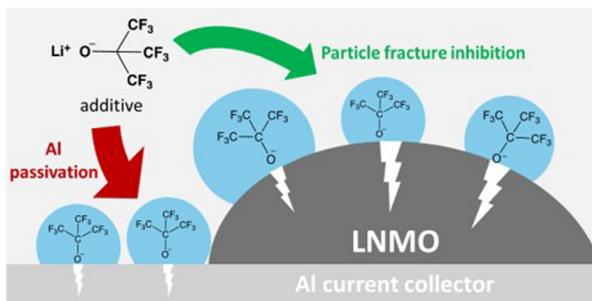
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**Understanding the electrolyte additive properties of lithium nonafluoro-tert-butoxide for its application in high-voltage LiNi_{0.5}Mn_{1.5}O₄-graphite batteries**

Binayak Roy,* Urbi Pal, Jason John, Cuong Nguyen, Patrick C. Howlett, Mega Kar and Douglas R. MacFarlane*

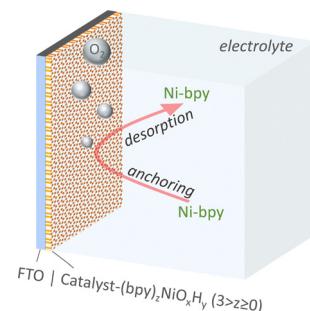


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A nearly transparent Ni-based oxygen-evolving catalyst for photoelectrocatalysis

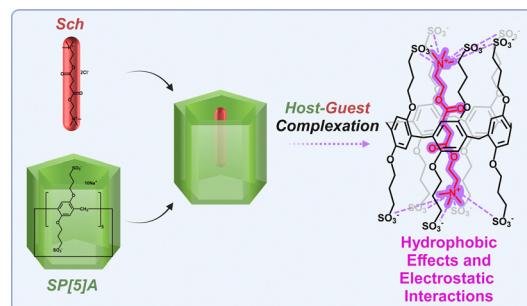
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A sulfonated supramolecular host based on pillar[5]arene for succinylcholine-induced neuromuscular blockade reversal

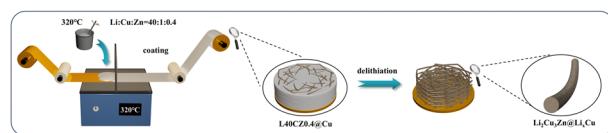
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***In situ* formed 3D hybrid framework of lithophilic Li₂Cu₃Zn modified Li_xCu alloy nanowires towards a dendrite-free Li metal anode**

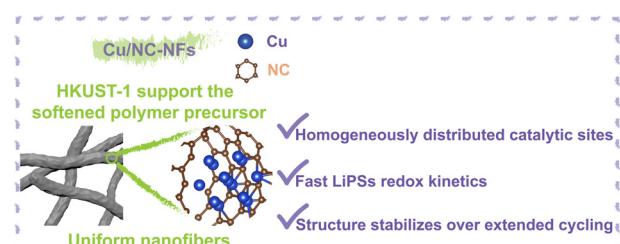
Hang Liu, Chaohui Wei, Zhicui Song, Yujie Wu, Donghuang Wang, Aijun Zhou and Jingze Li*



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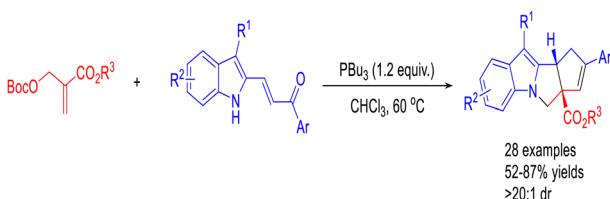
Built-in skeleton Cu/NC-NFs as a sulfur carrier for lithium sulfur batteries

Die Su, Yuhong Zeng, Meiqi Geng, Tao Wang,* Minhua Shao, Cunpu Li* and Zidong Wei



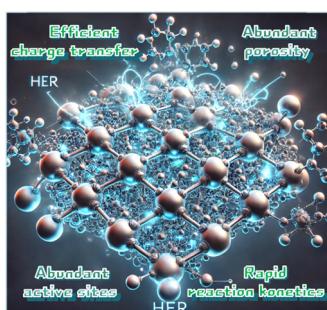
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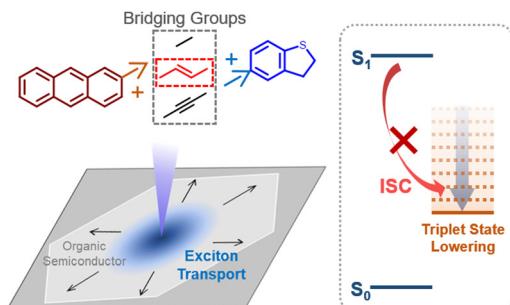
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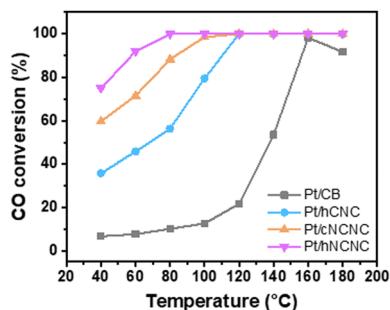
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Lijie Yan, Xinyi Wang, Changkai Zhou, Haojie Yu, Lijun Yang, Qiang Wu,* Xizhang Wang,* Yining Fan and Zheng Hu



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Scalable fabrication of nano-to-micro carbon disk ultramicroelectrodes for single small extracellular vesicle detection

Hong-Yuan Liu, An-Rong Sun, Li-Yuan Wu and Zhi-Ling Zhang*

