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See Paola Vivo *et al.*, pp. 8616–8625. Image reproduced by permission of Laura Canil from *Chem. Commun.*, 2023, 59, 8616.

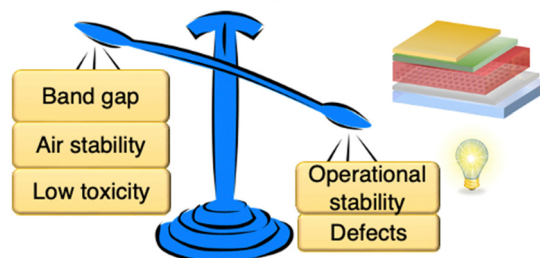
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Lead-free perovskite-inspired semiconductors for indoor light-harvesting – the present and the future

G. Krishnamurthy Grandhi, Lethy Krishnan Jagadamma, Vipinraj Sugathan, Basheer Al-Anesi, Debjit Manna and Paola Vivo*

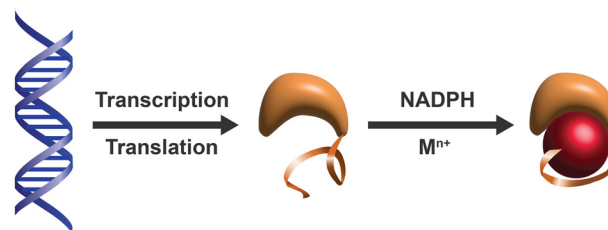
Perovskite-inspired materials



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Cloneable inorganic nanoparticles

Alexander R. Hendricks, Bradley F. Guilliams, Rachel S. Cohen, Tony Tien, Gavin A. McEwen, Kanda M. Borgognoni and Christopher J. Ackerson*



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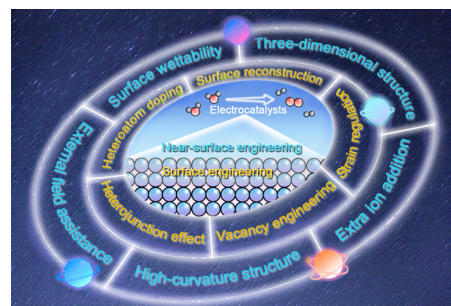


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Surface and near-surface engineering design of transition metal catalysts for promoting water splitting

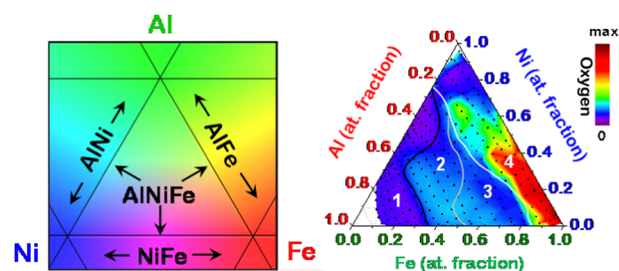
Yanmin Wang, Chao Meng,* Lei Zhao, Jialin Zhang, Xuemin Chen and Yue Zhou*



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Alloy corrosion and passivation spanning composition space

Camille Ferris, Nicholas Golio, Herve Martinez and Andrew J. Gellman*

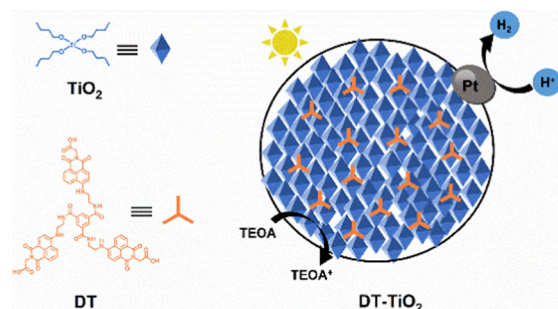


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Visible light-driven highly-efficient hydrogen production by a naphthalene imide derivative-sensitized TiO₂ photocatalyst

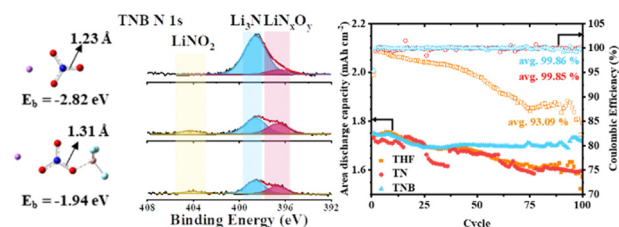
Dan Wei, Kang Yang, Chunman Jia* and Jianwei Li*



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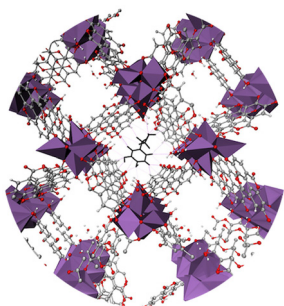
Activation of trace LiNO₃ additives by BF₃ in high-concentration electrolytes towards stable lithium metal batteries

He-yi Xia, Yu-ke Wang and Zheng-wen Fu*



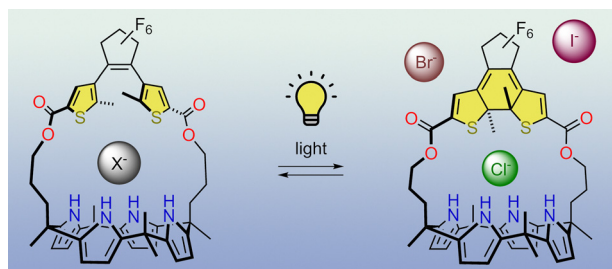
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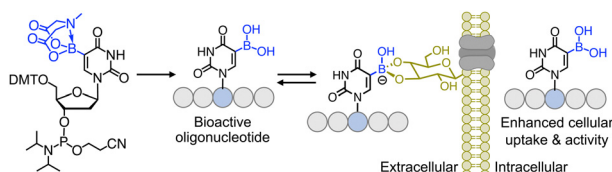
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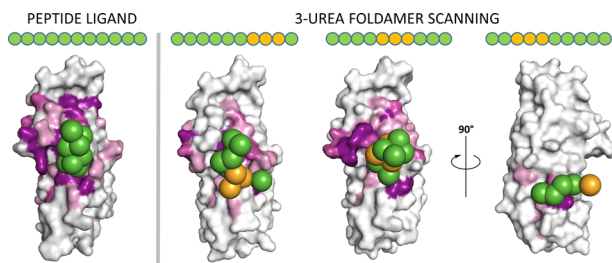
David Villarón, Guido E. A. Brugman, Maxime A. Siegler and Sander J. Wezenberg*

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Sam Kavooosi, Kirsten Deprey, Joshua A. Kritzer* and Kabirul Islam*

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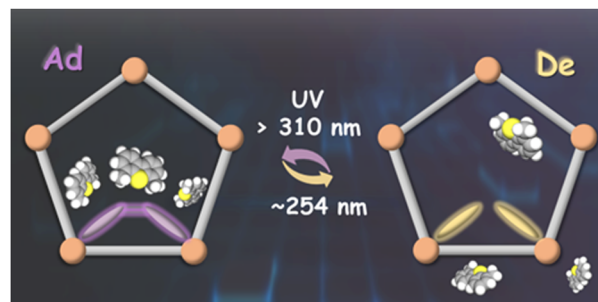


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Coumarin-functionalized metal–organic frameworks: adsorbents with photo-responsive active sites for adsorptive desulfurization

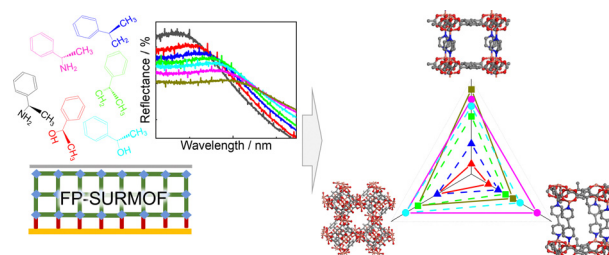
Jing Zhu,* Shi-Chao Qi, Xiao-Qin Liu and Lin-Bing Sun*



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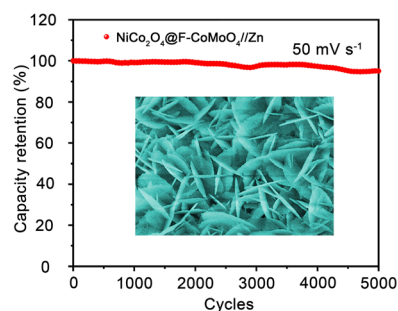
Kuo Zhan, Yunzhe Jiang and Lars Heinke*



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F-doped $\text{NiCo}_2\text{O}_4@\text{CoMoO}_4$ as an advanced electrode for aqueous Zn-ion batteries

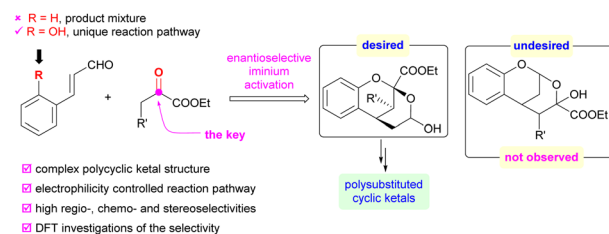
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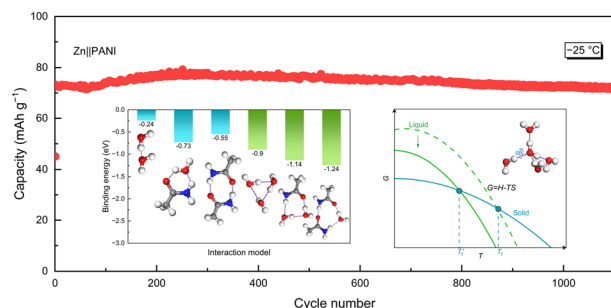
Asymmetric iminium ion-catalyzed conjugate addition of 2-hydroxycinnamaldehydes and 2-oxocarboxylic esters: synthesis of chiral polysubstituted bridged bicyclic ketals

Yong-Chao Ming, Xue-Jiao Lv, Ying-Han Chen and Yan-Kai Liu*



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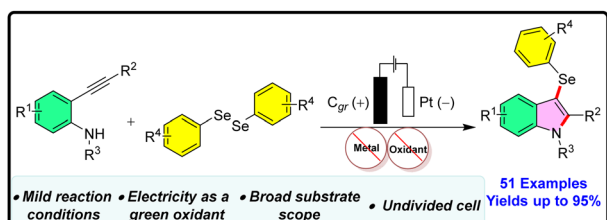
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High-entropy solvent design enabling a universal electrolyte with a low freezing point for low-temperature aqueous batteries

Huimin Ji, Chunlin Xie, Tingqing Wu, Hao Wang, Zhiwen Cai, Qi Zhang, Wenbin Li, Liang Fu,* Huanhuan Li and Haiyan Wang*

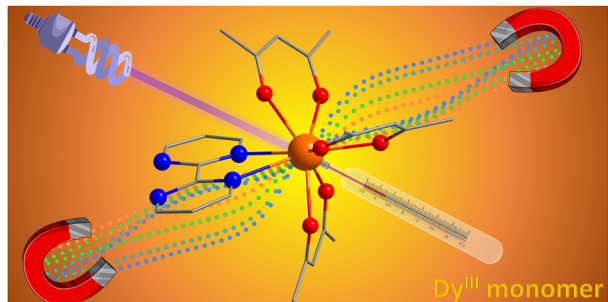
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An electrochemical cascade process: synthesis of 3-selenylindoles from 2-alkynylanilines with diselenides

Anil Balajirao Dapkekar and Gedu Satyanarayana*

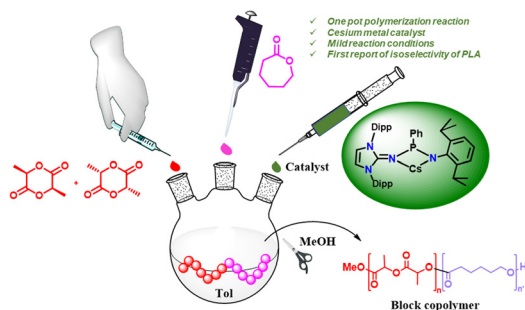
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Airton Germano Bispo-Jr, Laurence Yeh, Dylan Errulat, Diogo Alves Gállico, Fernando Aparecido Sigoli and Muralee Murugesu*

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Highly efficient and well-controlled ROP and copolymerization of cyclic esters using a cesium complex

Shweta Sagar, Himadri Karmakar, Priyanku Nath, Alok Sarkar,* Vadapalli Chandrasekhar* and Tarun K. Panda*

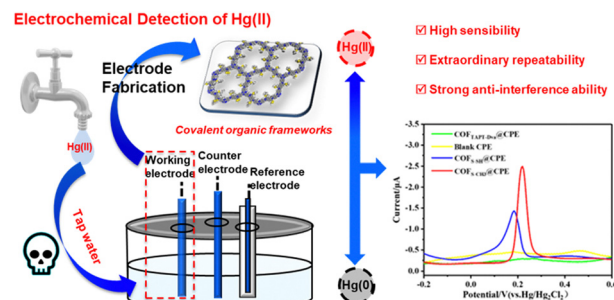


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Thiol-grafted covalent organic framework-based electrochemical platforms for sensitive detection of Hg(II) ions

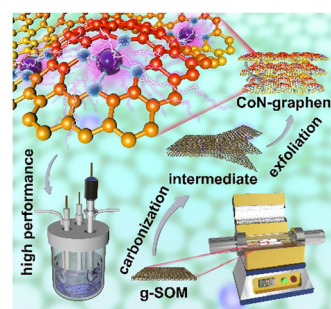
Xiang Tang, Qingqing Zhang, Dongyang Chen, Lifeng Deng, Yaxu He, Jianxiu Wang, Chunyue Pan, Juntao Tang* and Guipeng Yu*



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Synthesis of graphene anchored with atomically isolated cobalt from a promising graphite-like supramolecule

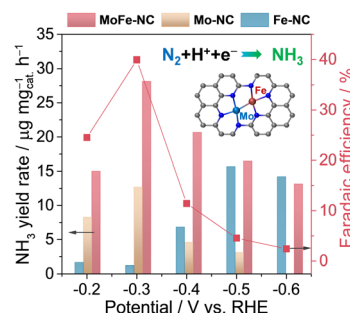
Guoli Zheng, Shunfa Zhou, Xuan Zhou, Ding Wen, Jinhui Xu, Lingling Li, Danyong Jiang, Weiwei Cai,* Weiqiang Fan,* Weidong Shi* and Shuyan Song



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A biomimetic MoFe-NC for efficient N₂ electroreduction to NH₃

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Hierarchical Mn-Ni₂P/NiFe LDH nanosheet arrays as an efficient bifunctional electrocatalyst for energy-saving hydrogen production via urea electrolysis

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