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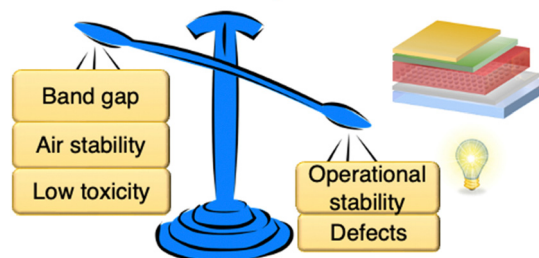
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Lead-free perovskite-inspired semiconductors for indoor light-harvesting – the present and the future

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

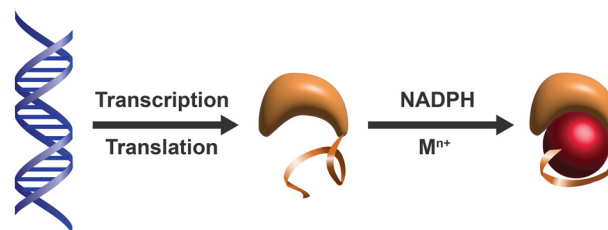
Perovskite-inspired materials



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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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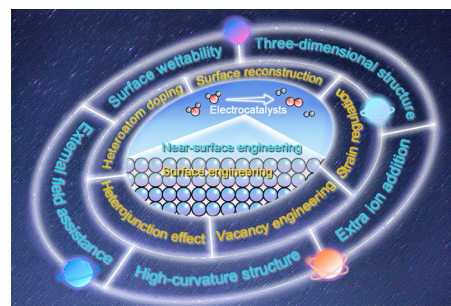


FEATURE ARTICLES

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

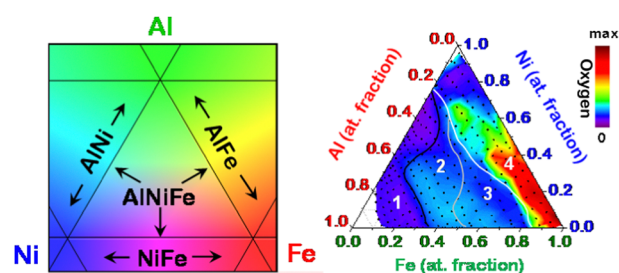
Yanmin Wang, Chao Meng,* Lei Zhao, Jialin Zhang, Xuemin Chen and Yue Zhou*



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Alloy corrosion and passivation spanning composition space

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

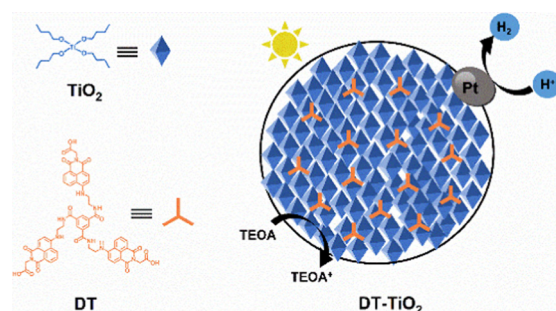


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Visible light-driven highly-efficient hydrogen production by a naphthalene imide derivative-sensitized TiO₂ photocatalyst

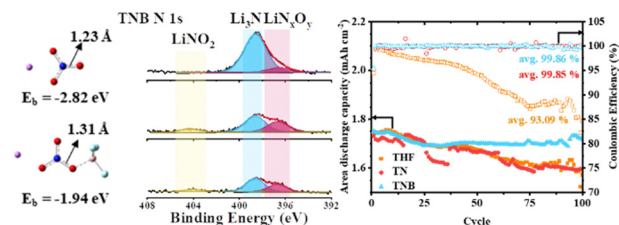
Dan Wei, Kang Yang, Chunman Jia* and Jianwei Li*



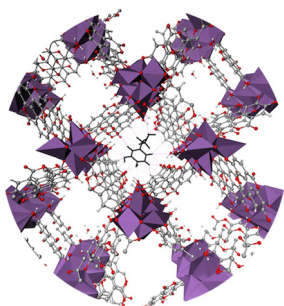
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Activation of trace LiNO₃ additives by BF₃ in high-concentration electrolytes towards stable lithium metal batteries

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



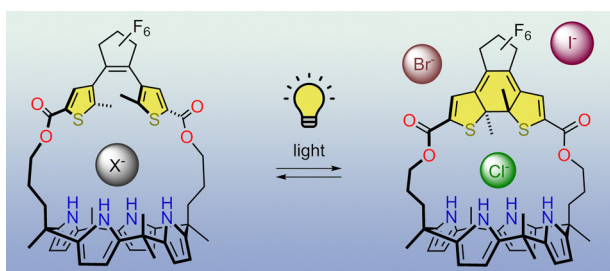
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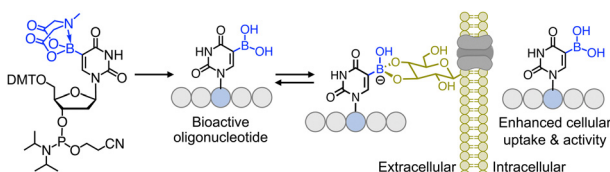
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Photoswitching of halide-binding affinity and selectivity in dithienylethene-strapped calix[4]pyrrole

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

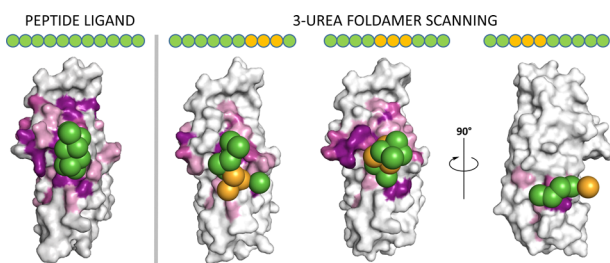
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5-Dihydroxyboryluridine enhances cytosolic penetration of antisense oligonucleotides

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

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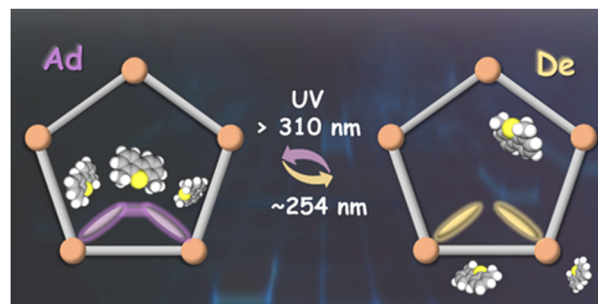


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Coumarin-functionalized metal–organic frameworks: adsorbents with photo-responsive active sites for adsorptive desulfurization

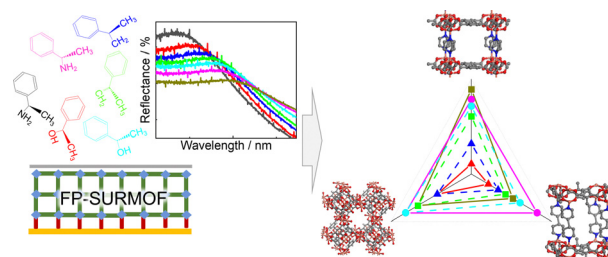
Jing Zhu,* Shi-Chao Qi, Xiao-Qin Liu and Lin-Bing Sun*



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Optical sensor array of chiral MOF-based Fabry–Pérot films for enantioselective odor sensing

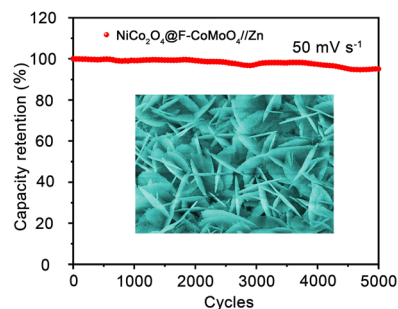
Kuo Zhan, Yunzhe Jiang and Lars Heinke*



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F-doped NiCo₂O₄@CoMoO₄ as an advanced electrode for aqueous Zn-ion batteries

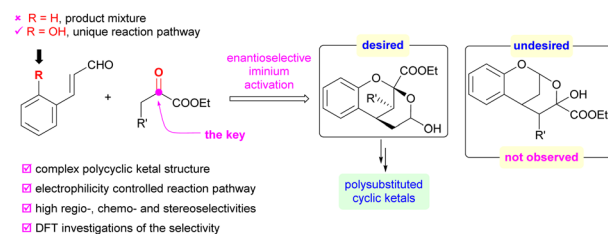
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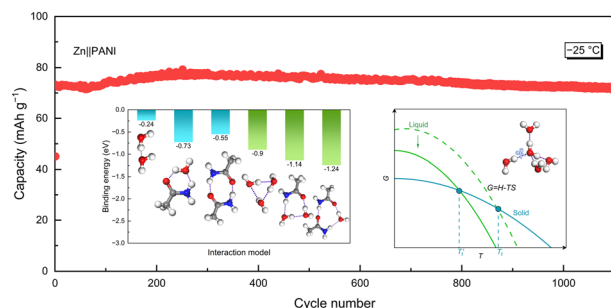
Asymmetric iminium ion-catalyzed conjugate addition of 2-hydroxycinnamaldehydes and 2-oxocarboxylic esters: synthesis of chiral polysubstituted bridged bicyclic ketals

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



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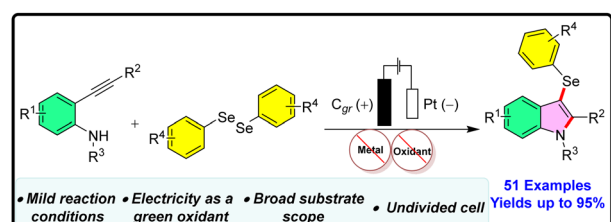
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High-entropy solvent design enabling a universal electrolyte with a low freezing point for low-temperature aqueous batteries

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

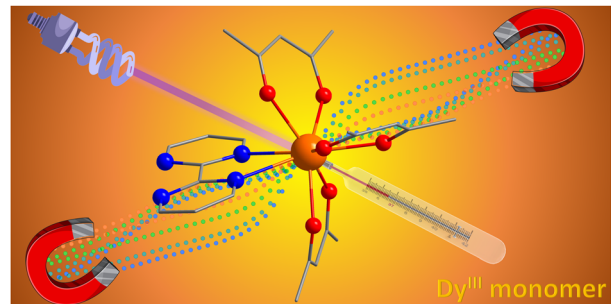
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Anil Balajirao Dapkekar and Gedu Satyanarayana*

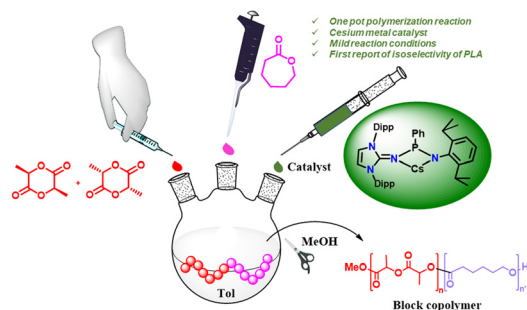
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Airton Germano Bispo-Jr, Laurence Yeh, Dylan Errulat, Diogo Alves Gálico, Fernando Aparecido Sigoli and Muralee Murugesu*

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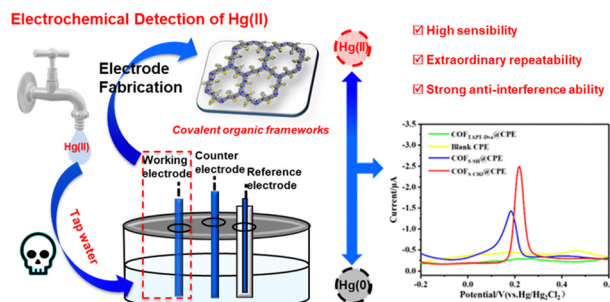
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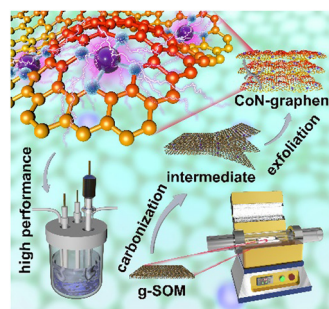
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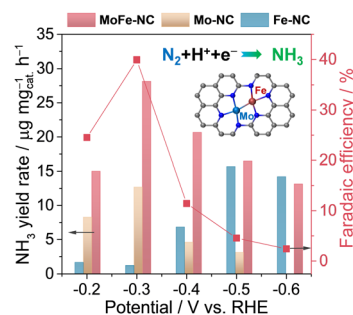
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A biomimetic MoFe-NC for efficient N₂ electroreduction to NH₃

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

Bin Sang, Yu Liu, Xiaoyu Wan,* Shuixiang Xie, Guangyu Zhang, Mingzheng Ge, Jiamu Dai, Wei Zhang* and Rui-Qing Li*

