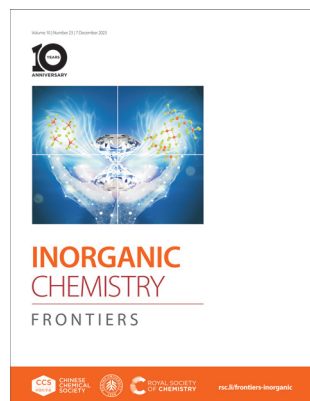


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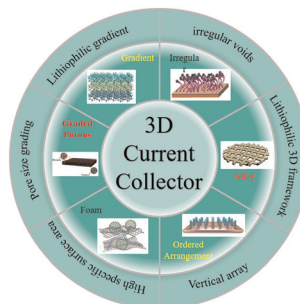
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Advances in research on the inhibitory effect of 3D current collector structures for lithium dendrites

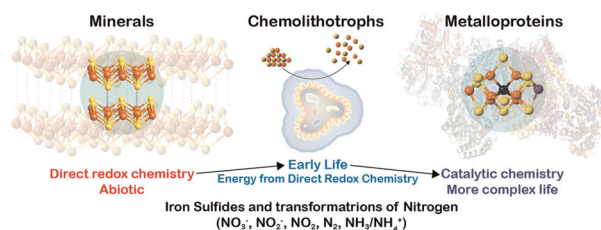
Song-Bai Xiang, Yu Fu, Chengri Yin, Yue Hou, Hailing Tian* and Zhenxing Yin*



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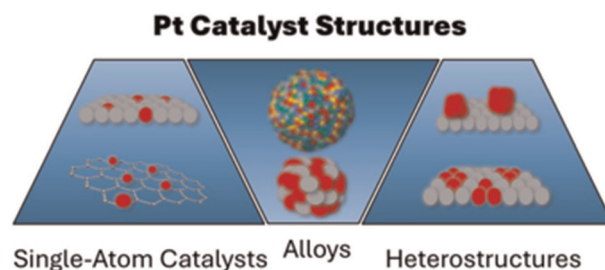


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Recent advances towards increasing the Pt utilization efficiency for hydrogen evolution reaction: a review

Saikiran Khamgaonkar, Mohamed Okasha and Vivek Maheshwari*

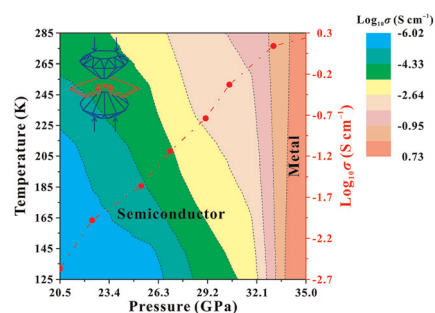


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Pressure-driven structural and electronic transitions in a quasimolecular layered compound of antimony triiodide

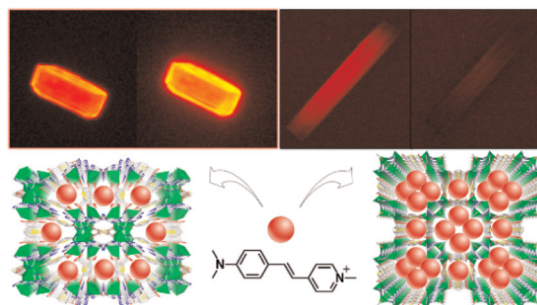
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Pore environment reinforced laser dye fluorescence in an adenine-containing metal–organic framework with pocket-like channels

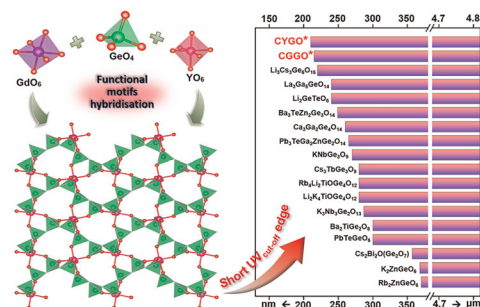
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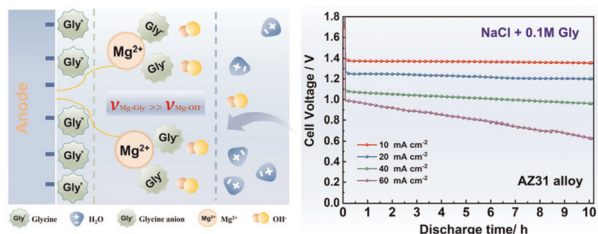
Achieving broadband ultraviolet to mid-infrared transparency in germanate-based nonlinear optical crystals $\text{Cs}_3\text{REGe}_3\text{O}_9$ (RE = Y, Gd)

Jinmiao Jiao, Conggang Li,* Yuheng She, Ning Ye, Zhanggui Hu* and Yicheng Wu



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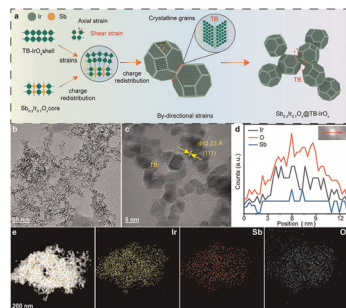
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An eco-friendly electrolyte additive for high-power primary aqueous Mg–air batteries

Bingjie Ma, Wenbin Jiang, Liuzhang Ouyang* and Haiwen Li*

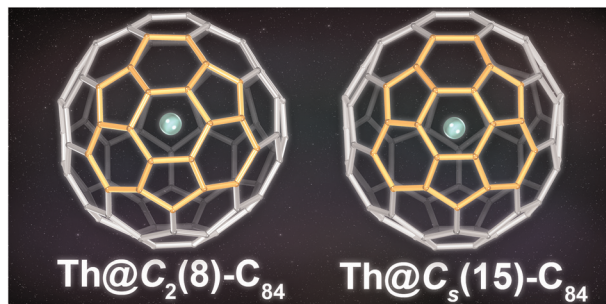
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Bi-directional strains increase the performance of iridium oxide nanoparticles towards the acidic oxygen evolution reaction in proton exchange membrane electrolyzers

Xiao Wu, Shaoyun Hao,* Yi He, Lecheng Lei and Xingwang Zhang*

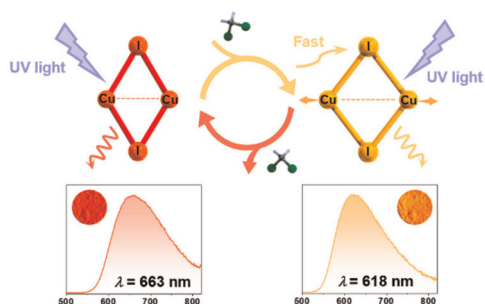
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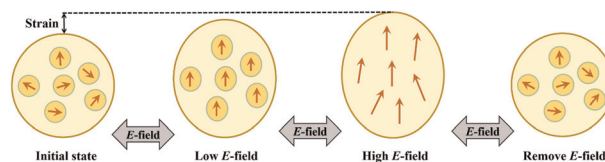


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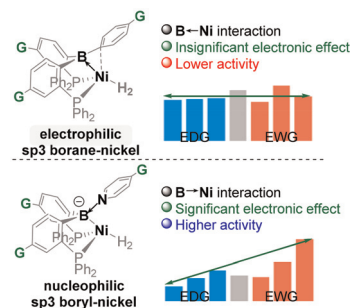
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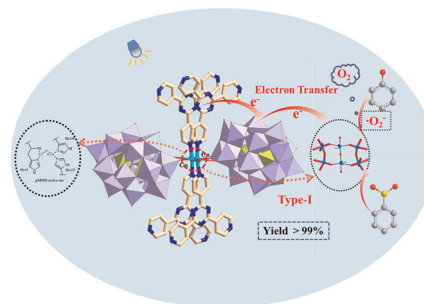
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Designing a binuclear copper center-incorporated photocatalyst to simulate enzyme catalysis in aerobic hydroxylation of phenylboronic acids

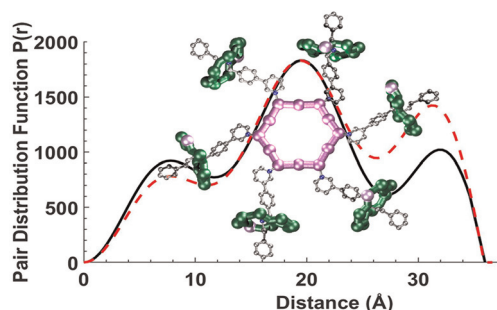
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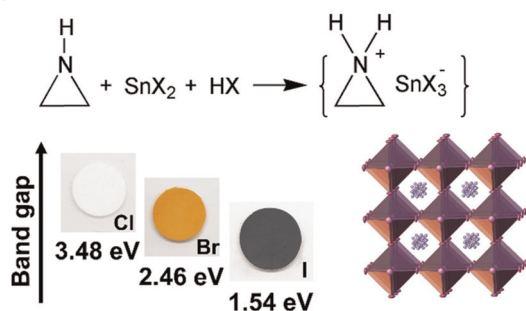
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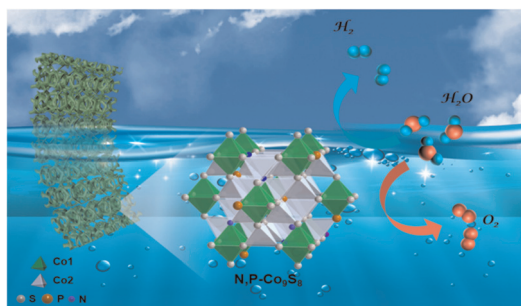
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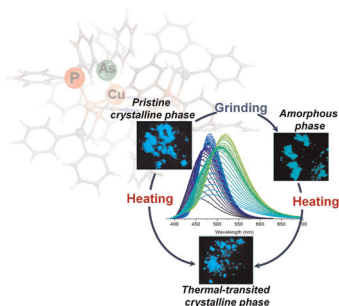
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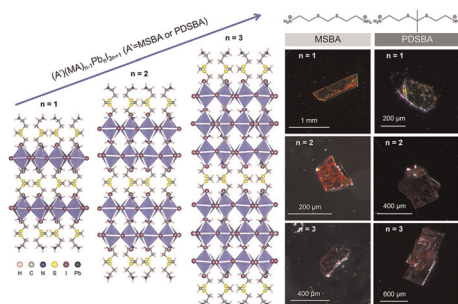
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**Reduced-dimensional perovskites with dithioketal-containing intercalating cations for near-infrared light-emitting diodes**

Wenxuan Li, Guoying Yao, Yilan Zhang, Lingjiao Zhang, Sujuan Hu, Chuan Liu, Baiquan Liu, Tao Zeng and Zhenyu Yang*

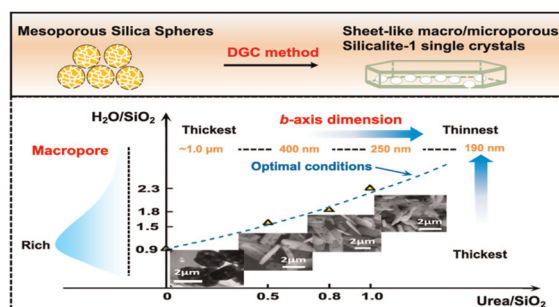


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Sheet-like silicalite-1 single crystals with embedded macropores displaying superior catalytic performance

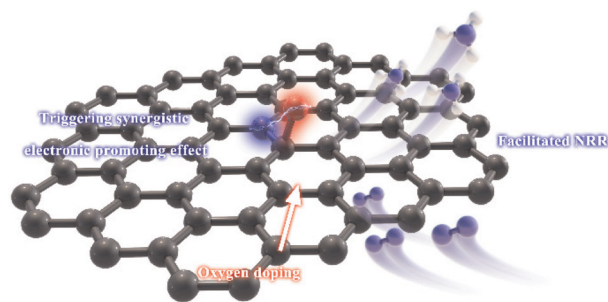
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Triggering synergistic electronic promoting effect through oxygen doping to promote electrochemical nitrogen reduction on metal-free electrocatalyst

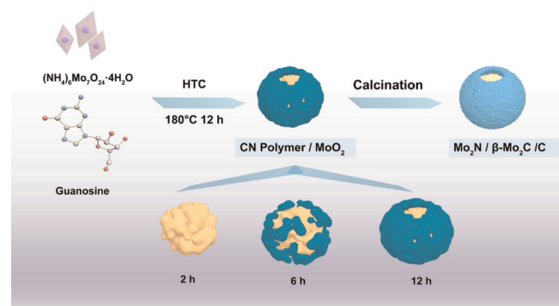
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Guanosine-assisted synthesis of a core-shell Mo₂N/Mo₂C/C structure for enhanced hydrogen evolution reaction

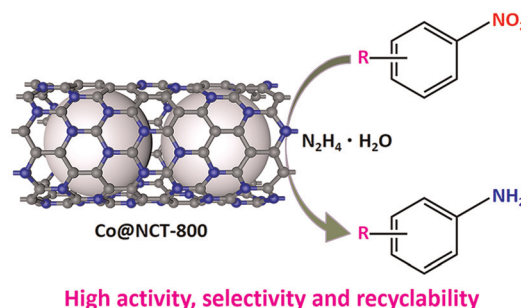
Miao Xia, Shuchun Li, Xuefei Zhang and Zilai Xie*



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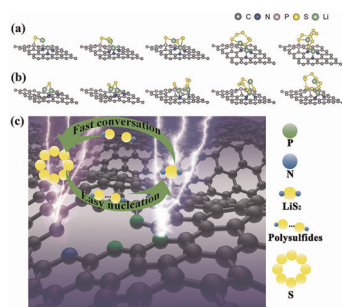
Highly efficient hydrogenation of nitroarenes by Co nanoparticles encapsulated in N-doped carbon nanotubes under mild conditions

Zan Zhang, Yuan Liu, Jinfeng Du, Yisen Jiang, Zhaoxu Wang,* Ruirui Yun* and Baishu Zheng*



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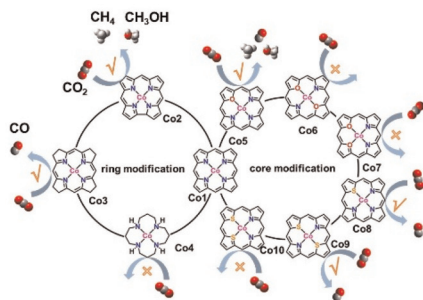
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Riguang Cheng, Jiaxi Liu, Pantrangi Manasa, Mi Zhou, Yanxun Guan, Kexiang Zhang, Xiangcheng Lin, Federico Rosei, Aleskey A. Pimerzin, Hans Jürgen Seifert, Fen Xu,* Lixian Sun,* Dan Cai,* Julian Zeng, Zhong Cao and Hongge Pan

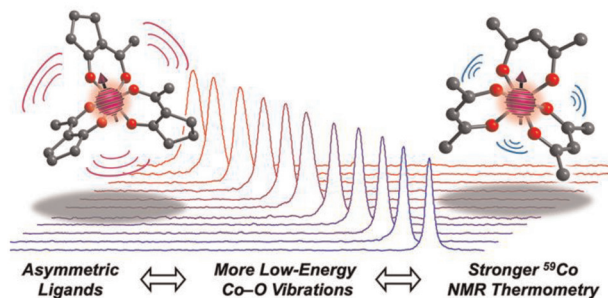
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Molecular modification of planar four-coordinated cobalt active site for the electrochemical reduction of carbon dioxide: a density functional theory study

Xu Ding, Yucheng Jin, Hailong Wang* and Dongdong Qi*

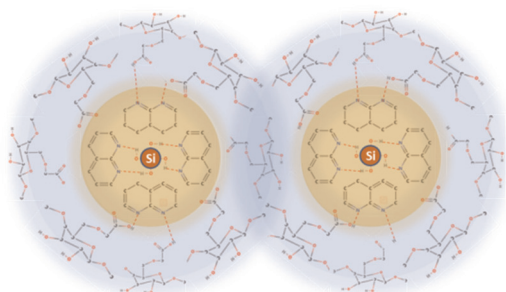
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Asymmetry-enhanced ^{59}Co NMR thermometry in Co(III) complexes

Ökten Üngör, Stephanie Sanchez, Tyler M. Ozvat and Joseph M. Zadrozny*

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Modified polyacrylonitrile cross-linked with carboxymethyl cellulose constructing a hydrogen bonding network for high-performance silicon anodes

Han Li, Zhengwei Wan, Tong Wu, Kun Wang, Xiangxiang Wang, Jun Cao, Min Ling,* Dongxu Yu* and Chengdu Liang*

