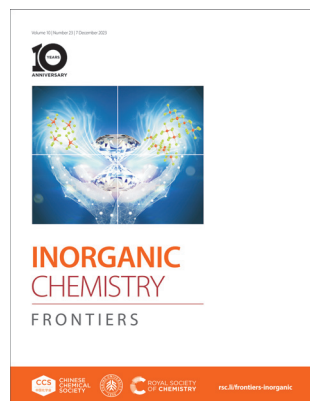


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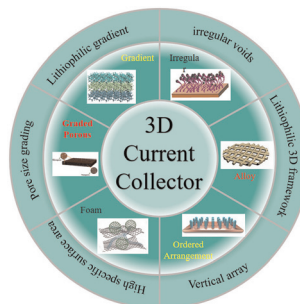
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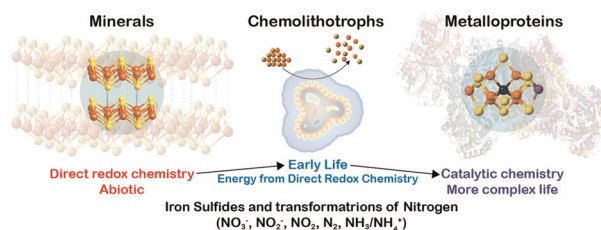
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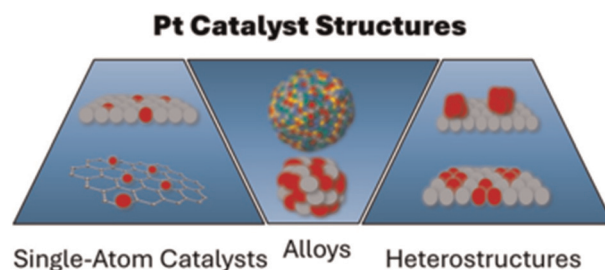


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Saikiran Khamgaonkar, Mohamed Okasha and Vivek Maheshwari\*

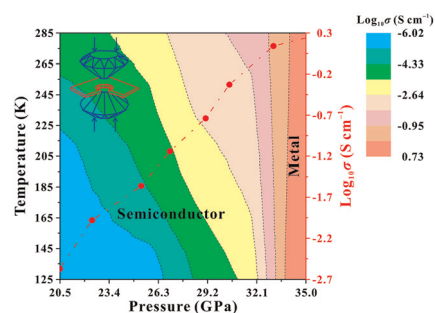


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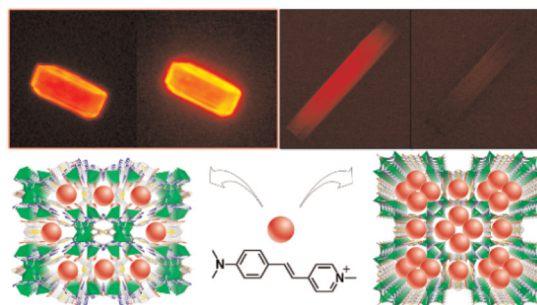
Meiling Hong, Lidong Dai,\* Haiying Hu,\* Xinyu Zhang, Chuang Li, Xiaolei Feng, Shidong Yu, Limin Zhang, Zhongying Mi and Sivakumar Aswathappa



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

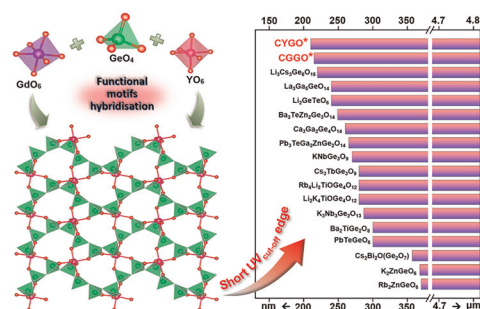
Li-Li Xu, Hong Cai,\* Dong Luo, Mian Li, Yong-Liang Huang, Jie-Ji Zhu, Mo Xie, Zi-Wei Chen and Dan Li\*



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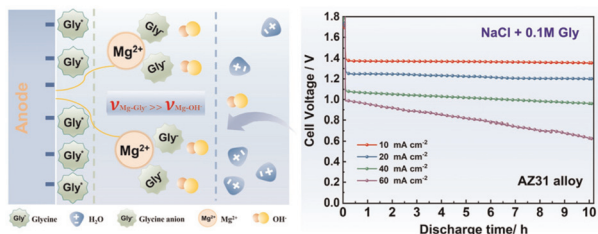
Achieving broadband ultraviolet to mid-infrared transparency in germanate-based nonlinear optical crystals  $\text{Cs}_3\text{REGe}_3\text{O}_9$  (RE = Y, Gd)

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



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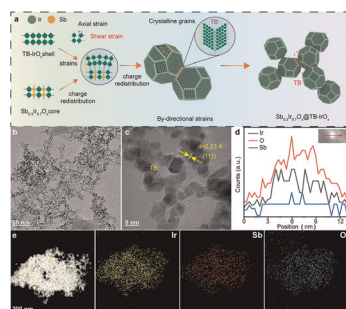
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### An eco-friendly electrolyte additive for high-power primary aqueous Mg–air batteries

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

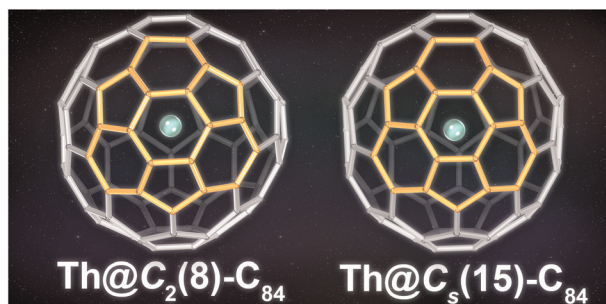
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### Bi-directional strains increase the performance of iridium oxide nanoparticles towards the acidic oxygen evolution reaction in proton exchange membrane electrolyzers

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

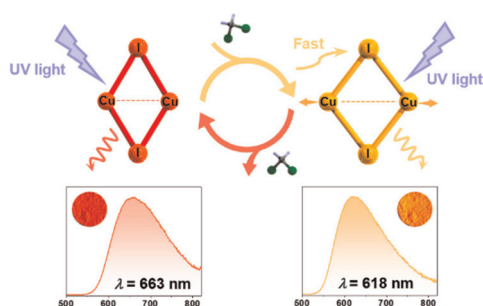
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Tiantian Cao, Qingyu Meng, Ze Fu, Yi Shen, Yingjing Yan, Qin Wang, Bing Zhao, Wenxia Wang, Khaoula Merimi, Antonio Rodríguez-Fortea, Yang-Rong Yao\* and Ning Chen\*

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Wei-Jie Zhang, Wan-Tao Chen, Chen-Hui Li, Wen-Zhu Sun, Jia-Wen Ye,\* Ling Chen,\* Hai-Ping Wang\* and Xiao-Ming Chen

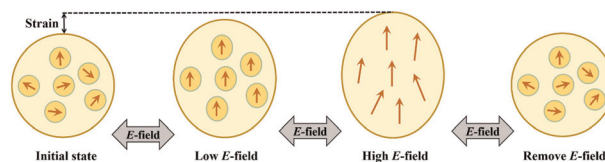


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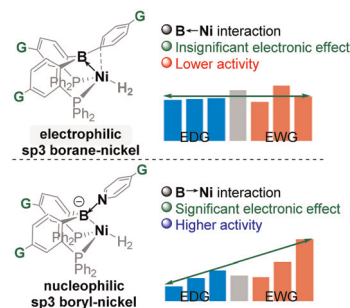
Qinghu Guo, Dongxu Li, Zhonghua Yao, Huajun Sun, Hua Hao,\* Hanxing Liu and Shujun Zhang\*



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### Distinct electronic effects of borane- and boryl-nickel complexes for catalyzing H<sub>2</sub> activation

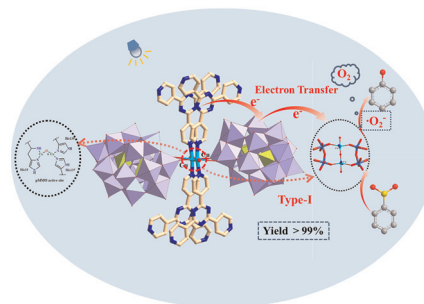
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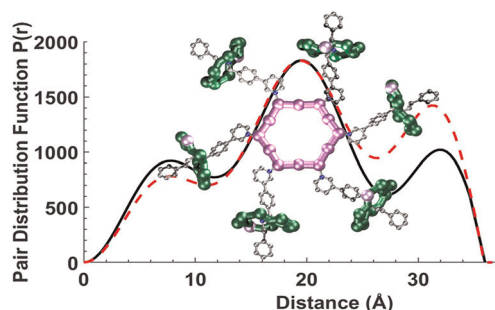
Chen Si, Xueling Liu, Junjie Xu, Jiangbo Xu, Pengtao Ma and Qiuxia Han\*



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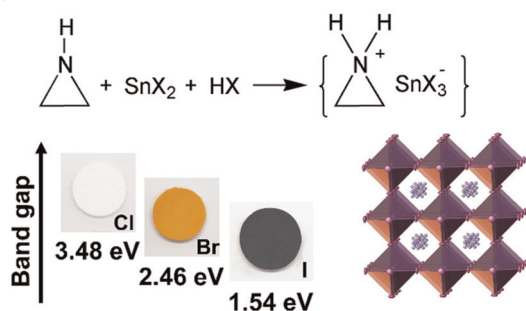
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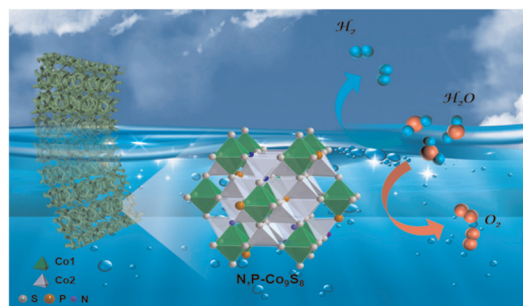
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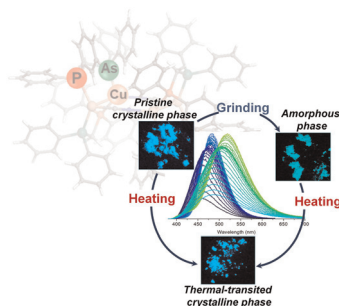
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**Regulation of the electronic structure and surface wettability of a  $\text{Co}_9\text{S}_8$  electrocatalyst by nitrogen and phosphorous co-doping for efficient overall water splitting**

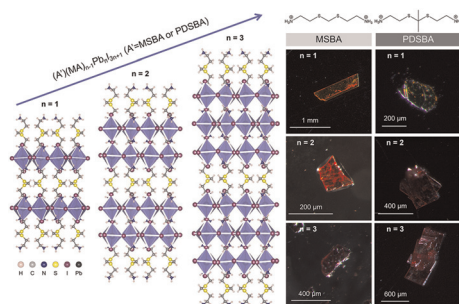
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Wenxuan Li, Guoying Yao, Yilan Zhang, Lingjiao Zhang, Sujuan Hu, Chuan Liu, Baiquan Liu, Tao Zeng and Zhenyu Yang\*

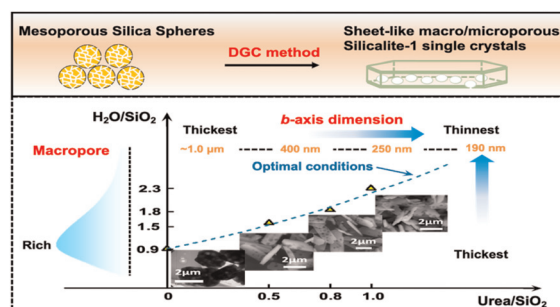


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### Sheet-like silicalite-1 single crystals with embedded macropores displaying superior catalytic performance

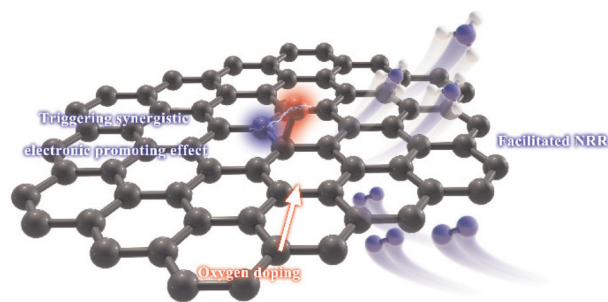
Yanfei Zhang,\* Liang Qi, Xiaomin Zhang, Qike Jiang, Peng Lu, Lei Xu\* and Alexis T. Bell



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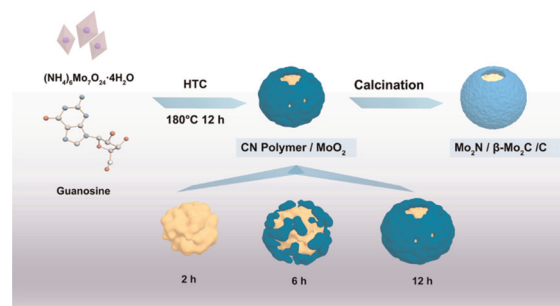
Na Xu, Qiyang Cheng, Mengfan Wang,\* Yanzheng He, Haoqing Ji\* and Federico Rosei\*



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### Guanosine-assisted synthesis of a core-shell $\text{Mo}_2\text{N}/\text{Mo}_2\text{C}/\text{C}$ structure for enhanced hydrogen evolution reaction

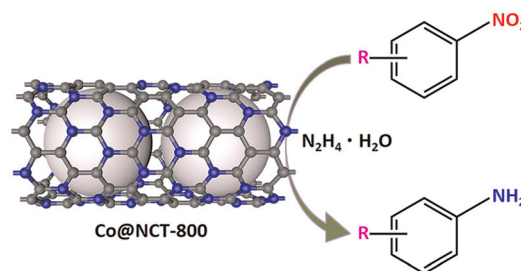
Miao Xia, Shuchun Li, Xuefei Zhang and Zilai Xie\*



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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\*

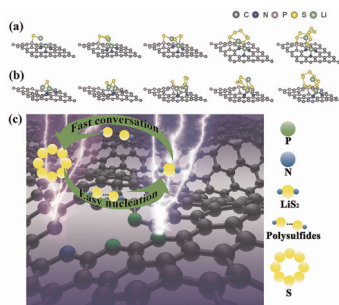


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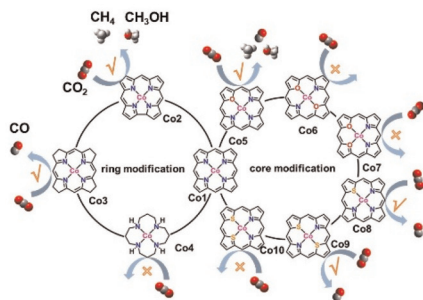
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Riguang Cheng, Jiayi Liu, Pantrangi Manasa, Mi Zhou, Yanxun Guan, Kexiang Zhang, Xiangcheng Lin, Federico Rosei, Aleskey A. Pimerzin, Hans Jürgen Seifert, Fen Xu,\* Lixian Sun,\* Dan Cai,\* Julian Zeng, Zhong Cao and Hongge Pan

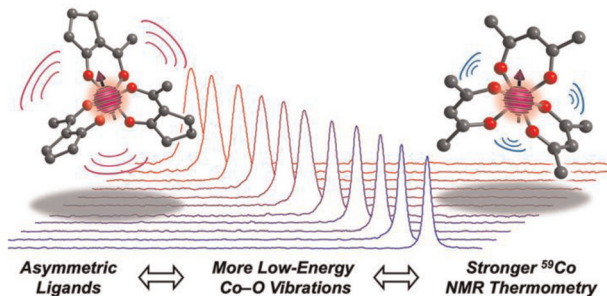
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### Molecular modification of planar four-coordinated cobalt active site for the electrochemical reduction of carbon dioxide: a density functional theory study

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

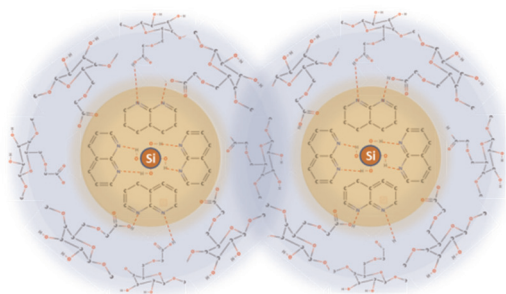
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Han Li, Zhengwei Wan, Tong Wu, Kun Wang, Xiangxiang Wang, Jun Cao, Min Ling,\* Dongxu Yu\* and Chengdu Liang\*

