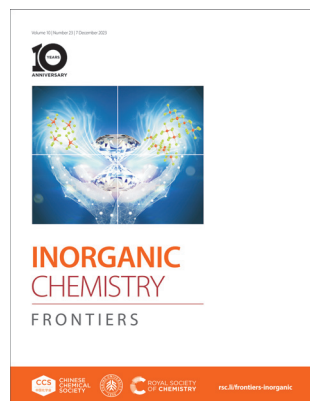


IN THIS ISSUE

ISSN 2052-1553 CODEN ICFNAW 10(23) 6757–7084 (2023)



Cover

See Lidong Dai, Haiying Hu et al., pp. 6849–6859.

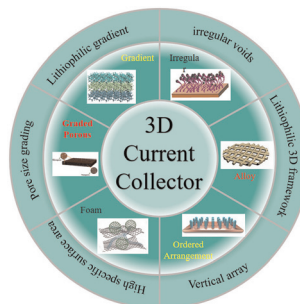
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REVIEWS

6767

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

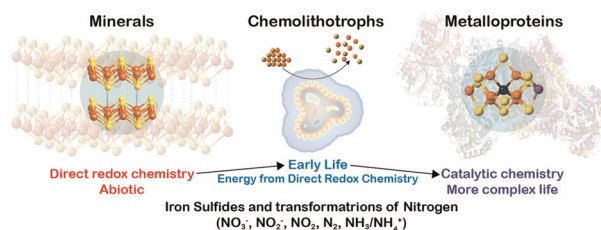
Song-Bai Xiang, Yu Fu, Chengri Yin, Yue Hou, Hailing Tian* and Zhenxing Yin*



6792

Abiotic transformations of nitrogen mediated by iron sulfides and related species from early Earth to catalyst design

C. Felipe Garibello, Daniel S. Eldridge, Francois Malherbe and Rosalie K. Hocking*



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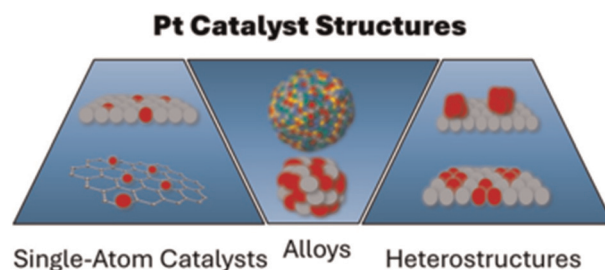


REVIEWS

6812

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

Saikiran Khamgaonkar, Mohamed Okasha and Vivek Maheshwari*

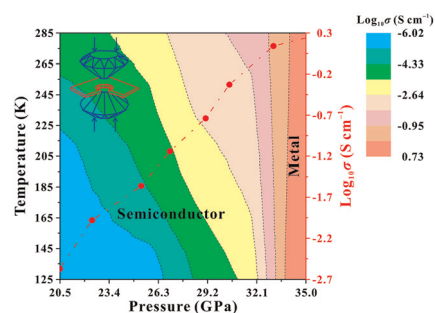


RESEARCH ARTICLES

6849

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

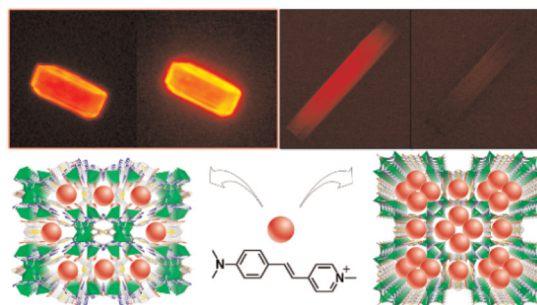
Meiling Hong, Lidong Dai,* Haiying Hu,* Xinyu Zhang, Chuang Li, Xiaolei Feng, Shidong Yu, Limin Zhang, Zhongying Mi and Sivakumar Aswathappa



6860

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

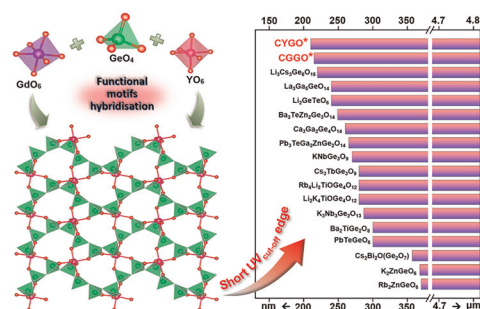
Li-Li Xu, Hong Cai,* Dong Luo, Mian Li, Yong-Liang Huang, Jie-Ji Zhu, Mo Xie, Zi-Wei Chen and Dan Li*



6869

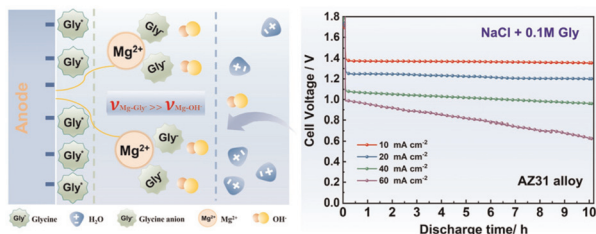
Achieving broadband ultraviolet to mid-infrared transparency in germanate-based nonlinear optical crystals $\text{Cs}_3\text{REGe}_3\text{O}_9$ (RE = Y, Gd)

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



RESEARCH ARTICLES

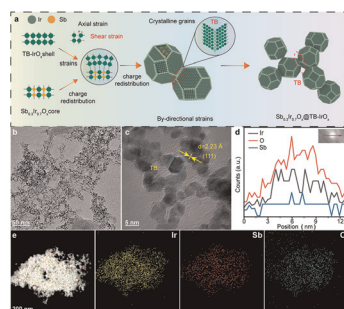
6879



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

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

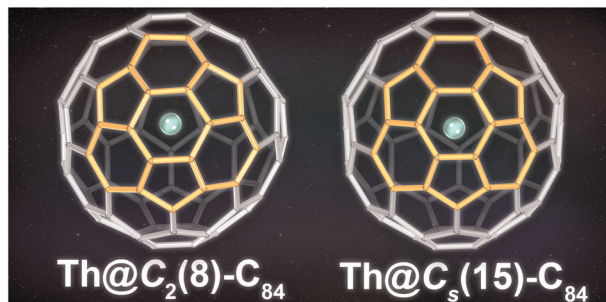
6892



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*

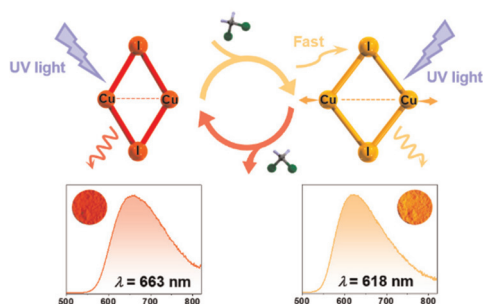
6901



Th@C₂(8)-C₈₄ and Th@C_s(15)-C₈₄: impact of actinide metal ions on the electronic structures of actinide endohedral metallofullerenes

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*

6909



Luminescence detection of CH₂Cl₂ by varying Cu...Cu interactions in a flexible porous coordination polymer

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

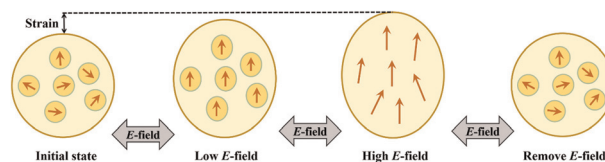


RESEARCH ARTICLES

6918

A supercritical relaxor phase boundary for ultrahigh electrostrictive properties

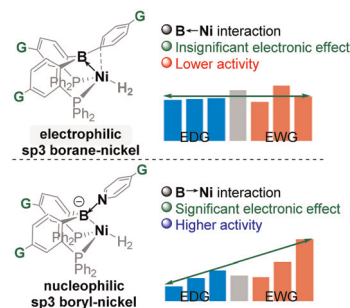
Qinghu Guo, Dongxu Li, Zhonghua Yao, Huajun Sun, Hua Hao,* Hanxing Liu and Shujun Zhang*



6928

Distinct electronic effects of borane- and boryl-nickel complexes for catalyzing H₂ activation

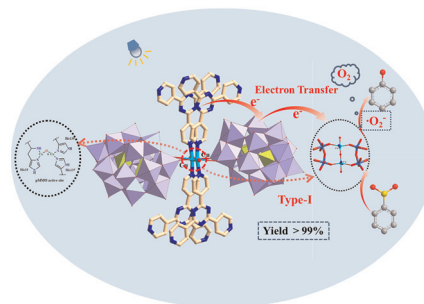
Zhe Chen, Huayu Liang, Jiaxin Lin, Yubang Liu, Yinwu Li* and Zhuofeng Ke*



6936

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

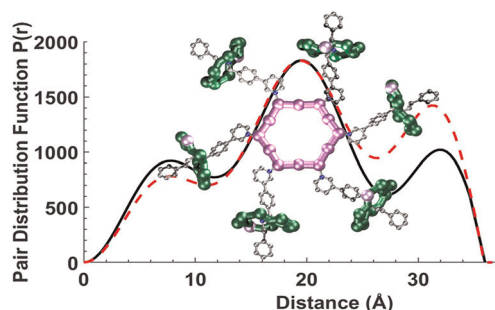
Chen Si, Xueling Liu, Junjie Xu, Jiangbo Xu, Pengtao Ma and Qiuxia Han*



6945

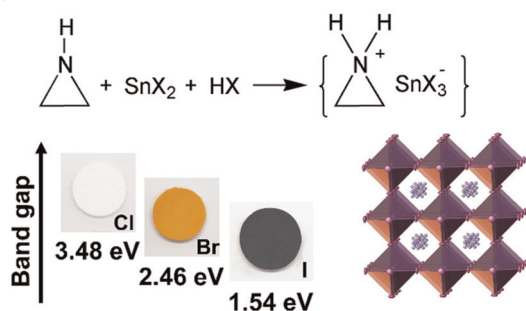
A ring of rotaxanes: studies of a large paramagnetic assembly in solution

Tom S. Bennett, Selina Nawaz, Selena J. Lockyer, Deepak Asthana, George F. S. Whitehead, Inigo J. Vitorica-Yrezabal, Grigore A. Timco, Neil A. Burton, Richard E. P. Winpenny* and Eric J. L. McInnes*



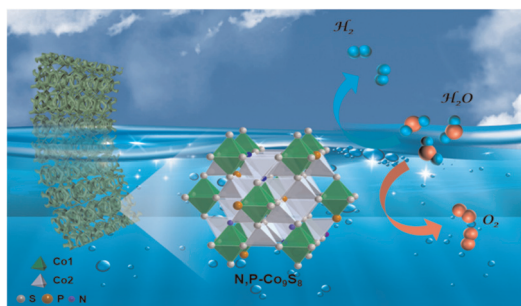
RESEARCH ARTICLES

6953

**Lead-free 3D hybrid perovskites based on an aziridinium cation**

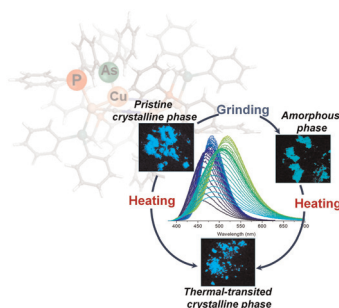
Olesia I. Kucheriv, Valerii Y. Sirenko, Hanna R. Petrosova, Vadim A. Pavlenko, Sergiu Shova* and Il'ya A. Gural'skiy*

6964

**Regulation of the electronic structure and surface wettability of a Co_9S_8 electrocatalyst by nitrogen and phosphorous co-doping for efficient overall water splitting**

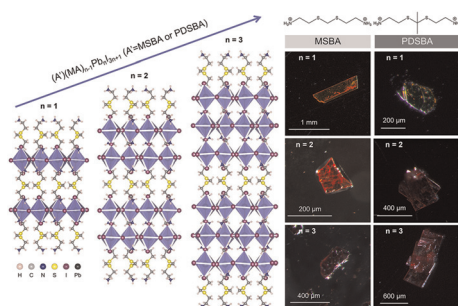
Chunyan Xiang, Dahai Zeng,* Bing Du, Xiaoxi Huang, Huaijun Lin, Peng Zhang, Zhiguo Zhang, Dexin Chen, Wei Li and Yuying Meng*

6976

**Phase dependence and mechanical and thermal ductility of the luminescence properties of tetranuclear Cu(I) metallacycle assemblies stabilized by ditopic organo-pnictogen (P,As) ligands**

Constance Lecourt, Raquel Utrera Melero, Jana Schiller, Florent Moutier, Vincent Dorcet, Guillaume Calvez, Corentin Poidevin, Karine Costuas,* Manfred Scheer* and Christophe Lescop*

6990

**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*

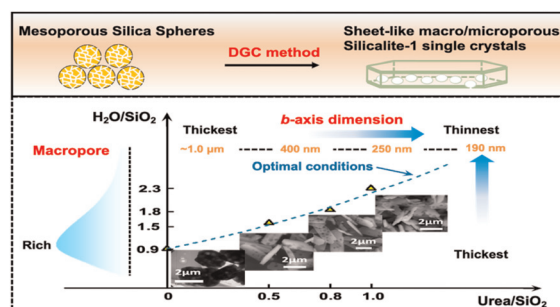


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6998

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

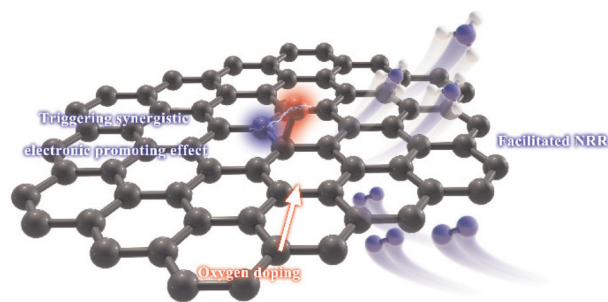
Yanfei Zhang,* Liang Qi, Xiaomin Zhang, Qike Jiang, Peng Lu, Lei Xu* and Alexis T. Bell



7010

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

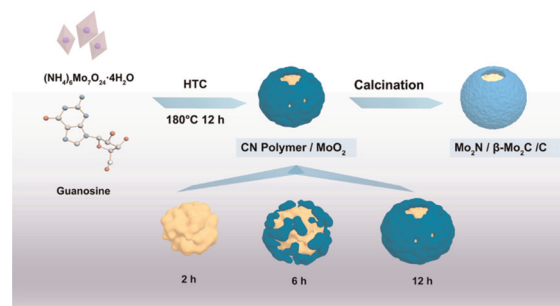
Na Xu, Qiyang Cheng, Mengfan Wang,* Yanzheng He, Haoqing Ji* and Federico Rosei*



7018

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

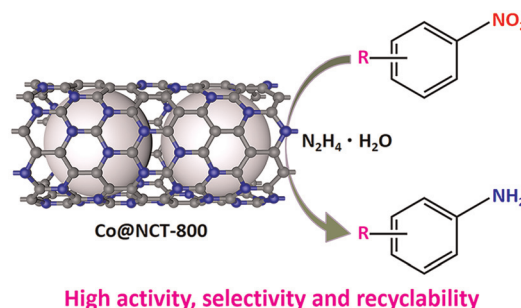
Miao Xia, Shuchun Li, Xuefei Zhang and Zilai Xie*



7028

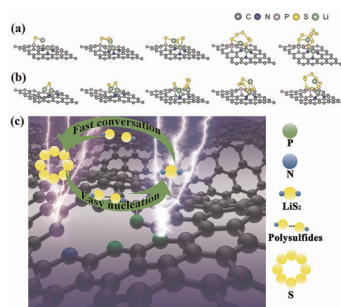
Highly efficient hydrogenation of nitroarenes by Co nanoparticles encapsulated in N-doped carbon nanotubes under mild conditions

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



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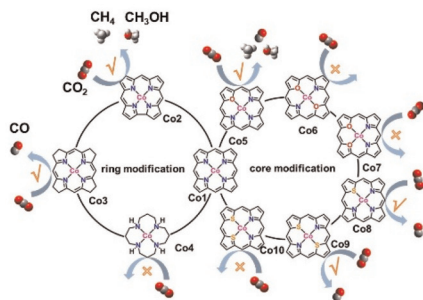
7038



Mechanism and thermal effects of phytic acid-assisted porous carbon sheets for high-performance lithium-sulfur batteries

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

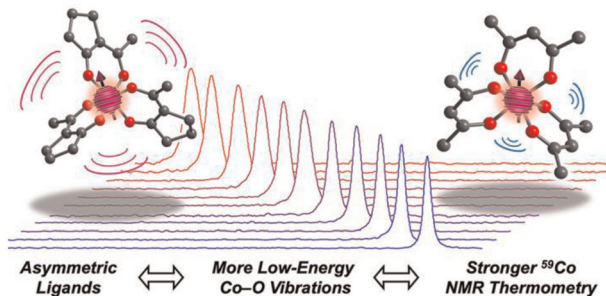
7054



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*

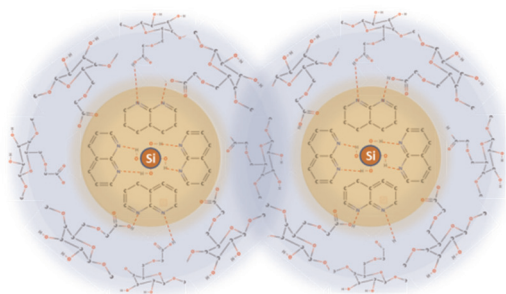
7064



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

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

7073



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*

