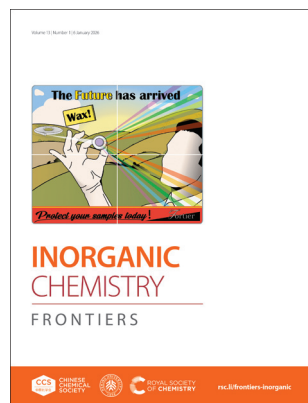


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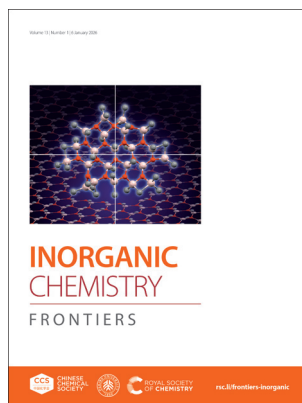
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See Skye Fortier *et al.*, pp. 12–19.

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See Mikko Linnolahti *et al.*, pp. 20–31.

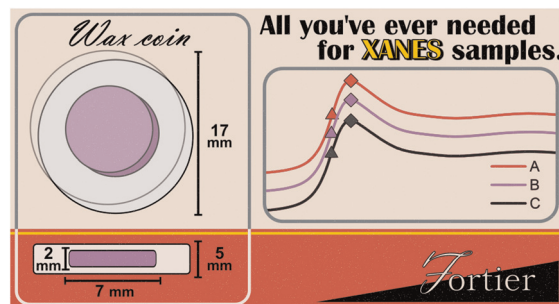
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A simple and practical wax-encapsulation method for air-sensitive XAS samples

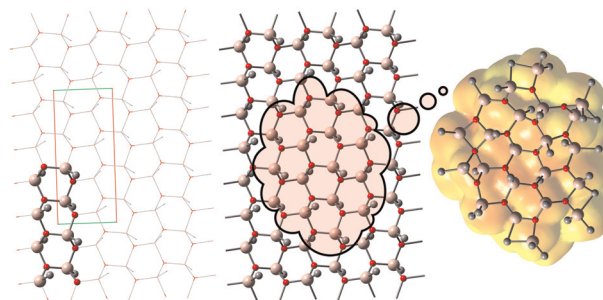
Oscar Oehlsen, Frank MacGregor, Matthew J. F. Jones, Alejandra Gómez-Torres, Liane M. Moreau, Joshua Wright, Lu Ma and Skye Fortier*



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Structure of the most stable methylaluminoxane anion $[(\text{MeAlO})_{16}(\text{Me}_3\text{Al})_6\text{Me}]^-$ and its precursor

Munmun Bharti, Aleksi Vähäkangas, Perttu Hanhisalo, Scott Collins and Mikko Linnolahti*



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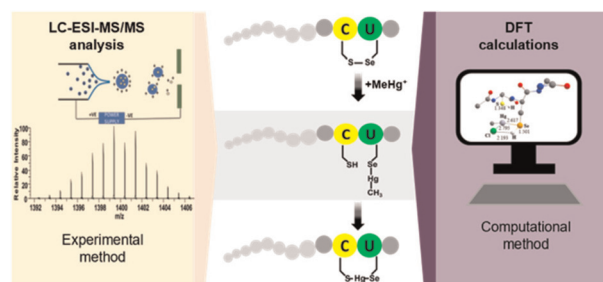
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Molecular insights into the role of selenoenzymes in the toxicity of methylmercury

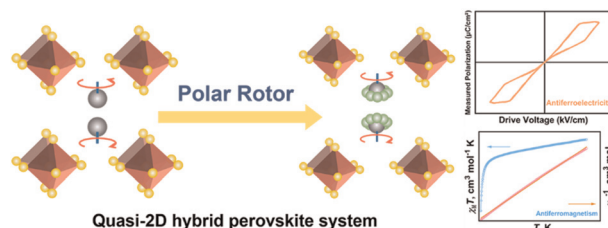
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A polar rotor for designing antiferroelectricity–antiferromagnetism in a quasi-2D organic–inorganic hybrid perovskite

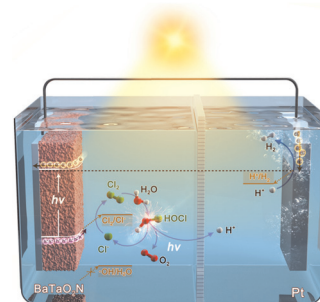
Zi-Ao Qiu, Hua-Kai Li, Ze-Jiang Xu, Liang-Han Shen, Xiang Zhang, Chao Shi, Na Wang, Xiao-Bin Fu, Nian-Tao Yao, Heng-Yun Ye and Le-Ping Miao*



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Sustainable solar seawater splitting over a BaTaO₂N photoanode enabled by chloride recirculation

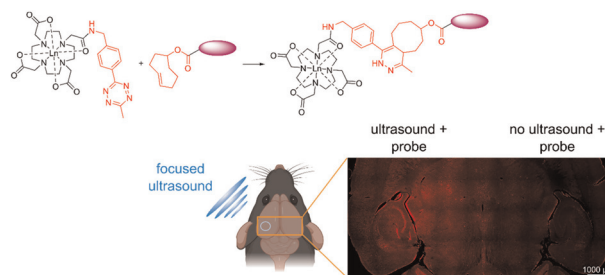
Jeongsuk Seo,* Seongeon Mun and Van-Huy Trinh



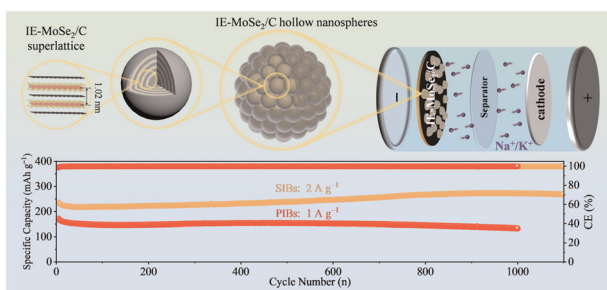
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Hongxuan Chen, William Lim Kee Chang, Grace T. McMullon, Yichao Yu, Benjamin P. Woolley, Gráinne Geoghegan, Ceren Yalcin, Sophie V. Morse, Mark F. Lythgoe, James J. Choi and Nicholas J. Long*



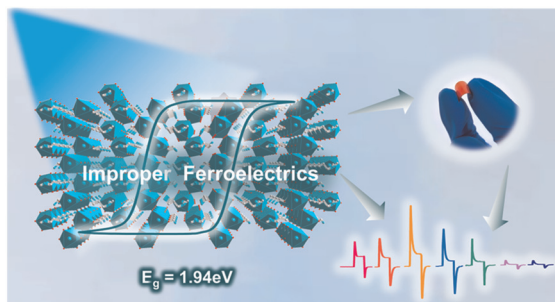
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Interlayer-expanded MoSe₂/C superlattice hollow nanospheres as stable anodes for sodium/potassium ion batteries

Qiannian Li, Yanting Xia, Jinmao Fang, Junwei Chen, Yan Zhang,* Wenpei Kang* and Jun Xu*

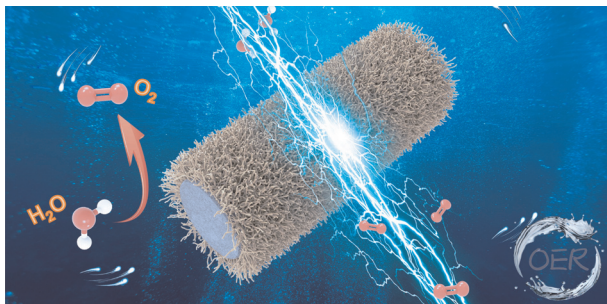
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Improper narrow bandgap molecular ferroelectrics enable light-excited pyroelectricity for broadband self-powered photoactivities

Jialu Chen, Liwei Tang, Chen Gong, Linjie Wei, Jingtian Zhang, Xingguang Chen, Xiaoyu Zhang, Yi Liu,* Junhua Luo and Zhihua Sun*

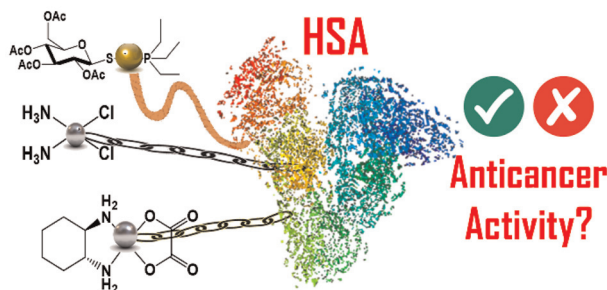
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Dynamic reconstruction of a pearl-thread-like CoS₂-Cu_xS interface for an enhanced oxygen evolution reaction

Heyang Liu, Fengli Wei, Linlin Huang, Chenggong Niu, Zuyang Luo, Tayirjan Taylor Isimjan* and Xiulin Yang*

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The impact of albumin conjugation on the cytotoxic properties of cisplatin, oxaliplatin and auranofin in cancer cells

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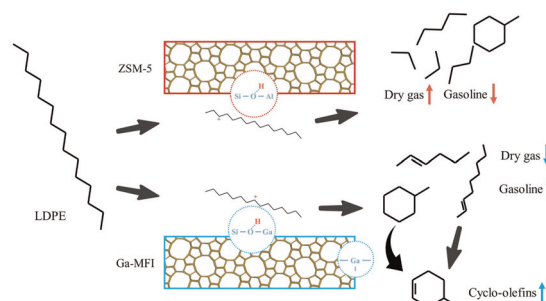


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Superior performance of Ga-MFI zeolite with a hierarchical structure and moderate acidity in the catalytic cracking of low-density polyethylene

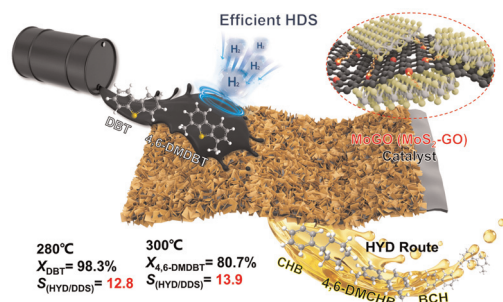
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In situ synthesis of the MoS₂-GO catalyst and unveiling its potential for deep hydrogenation desulfurization

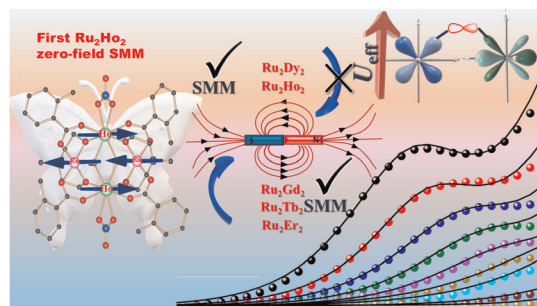
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Quenching quantum tunnelling of the magnetization utilizing 4d-4f exchange interactions in butterfly-shaped {Ru₂^{III}Ln^{III}} (Ln = Gd, Tb, Dy, Ho, and Er) single-molecule magnets

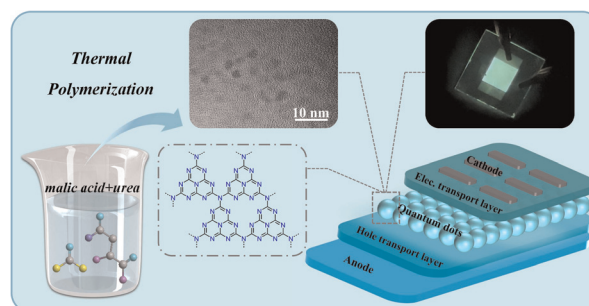
Imon J. Dutta, Vignesh Kasi, Deepanshu Chauhan, Keith S. Murray, Stuart K. Langley, Maheswaran Shanmugam* and Kuduva R. Vignesh*



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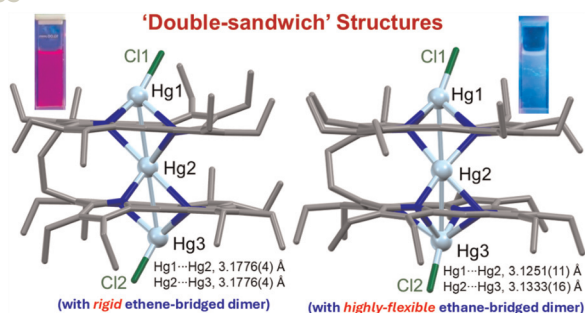
Bottom-up synthesized carbon nitride quantum dot-based light-emitting diodes

Xinyi Wang, Bingjie Li, Yingqin Xu, Mingming Zhang, Fangxu Dai, Qiang Cao, Lei Wang and Jun Xing*



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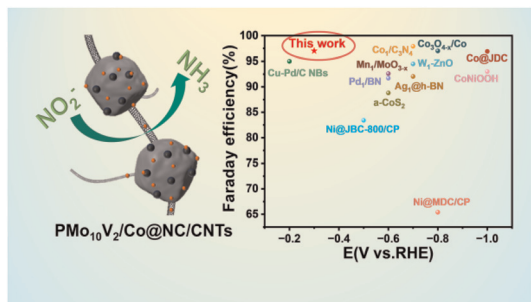
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Stabilization of the double sandwich structure of mercury(II) porphyrins: Hg...Hg...Hg interactions and structure–function correlation

Anindya Sarkar, Dolly Chandel, Mirza Nasib Begg, Anjani Kumar Pandey, Nityananda Dutta, Chandrani Pal, Mohammad Usman, Anindya Datta and Sankar Prasad Rath*

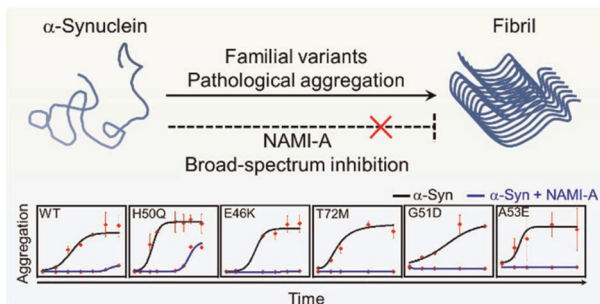
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Cobalt nanoparticles coupled with polyoxometalate nanoclusters to boost electrocatalytic conversion of nitrite to ammonia at low potentials

Qiu-Feng Wang, Meng-Qi Jia, Xing-Yu Yin, Sha Zheng, Wei-Xin Yang, Cheng Ma, Lu-Bin Ni, Guo-Wang Diao and Lu-Nan Zhang*

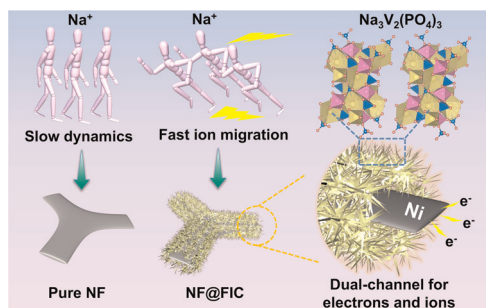
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Broad-spectrum suppression and disassembly of α-synuclein variant aggregates mediated by a ruthenium metallodrug via conserved metal coordination

Shenghu Wang, Weiwei Wu, Lili Sun, Siming Yuan, Wanqian Wei, Kaiming Cao* and Yangzhong Liu*

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Superionic-conductor-modified nickel foam enables region-induced deposition for stable sodium anodes

Yi Ding, Min Guo,* Song Lu, Tiancun Liu and Zhixin Yu*

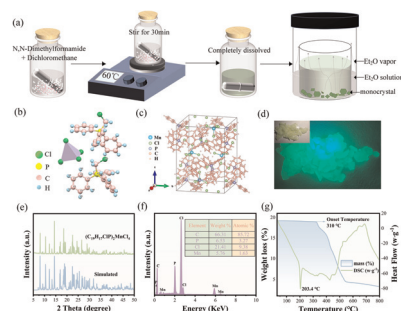


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High-performance organic–inorganic hybrid manganese halide scintillator array for superior-resolution X-ray imaging

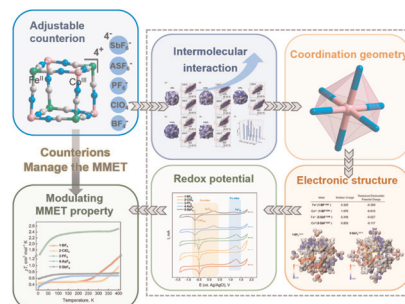
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Counterions manage metal-to-metal electron transfer: the role of intermolecular interactions in MMET-active $[\text{Fe}_4\text{Co}_4]$ cubes

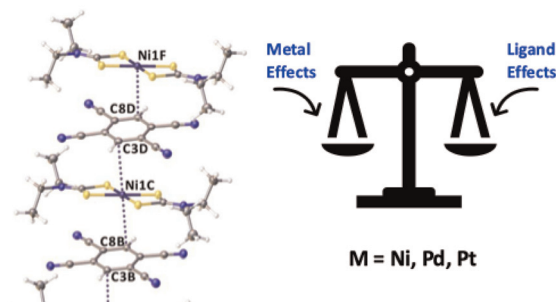
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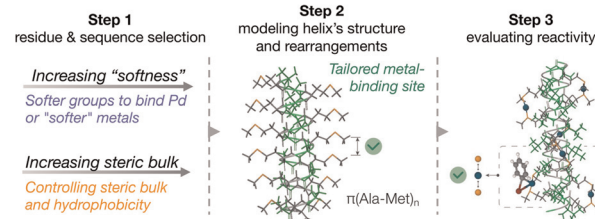


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Computational design of helical artificial metallopeptides: from sequence to activity in Pd-peptide systems

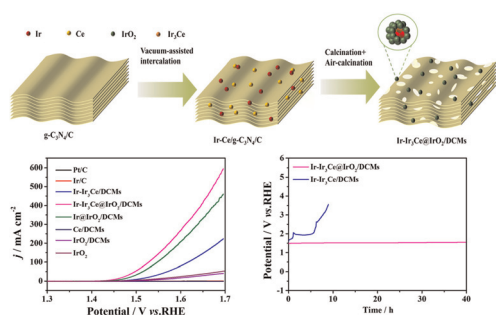
Anton V. Domnin, Yaroslav V. Solovov, Denis S. Syrko, Andrey V. Golovin, Robert A. Evarestov and Mikhail V. Polynski*

Bottom-up design strategy



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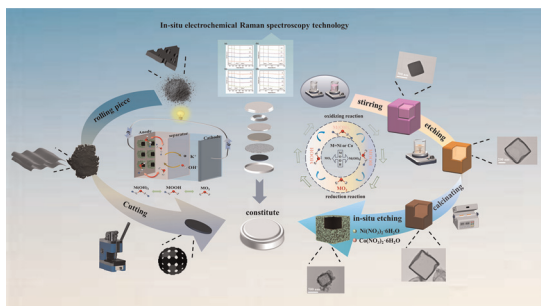
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Janus structure Ir-Ir₃Ce@IrO₂ nanocrystals as excellent bifunctionality catalysts for acidic overall water splitting

Yue Feng, Ying Chang,* Shaohong Guo, Yaqiong Su,* Jingchun Jia* and Meilin Jia

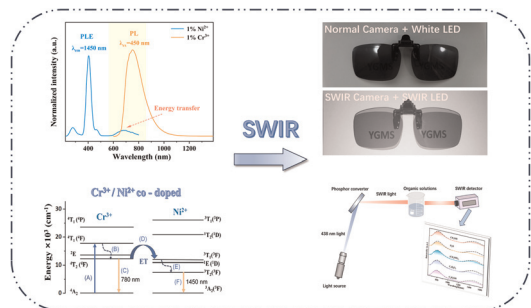
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Engineering multiscale hollow core-shell nanostructures via *in situ* surface functionalization for advanced electrochemical energy storage applications

Wang Yan, Wang Hanbo, Xu Yahui, Zhu Dongyu, Wang Ziming, Li Yiduo, Tian Yumei* and Lu Haiyan*

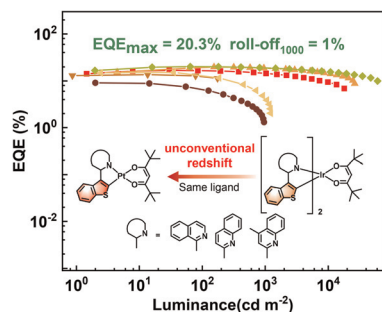
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Ultra-broadband shortwave infrared emission under blue light excitation of a Cr³⁺/Ni²⁺ co-doped Y₃Al₃MgSiO₁₂ garnet phosphor through effective energy transfer and its applications

Qian Zhang, Xinyu Li, Ziyang Wang, Qi Zhu, Xuejiao Wang* and Jiguang Li*

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Anomalous redshifted emission in Pt(II) vs. Ir(III) complexes with identical ligands and the application of these complexes in high-efficiency OLEDs

Wenping Liu, Shipan Xu, Xuyang Du, An Yan, Shengli Li, Xiaolong Yang,* Jun Xi, Yousong Ding, Guijiang Zhou* and Yuanhui Sun*

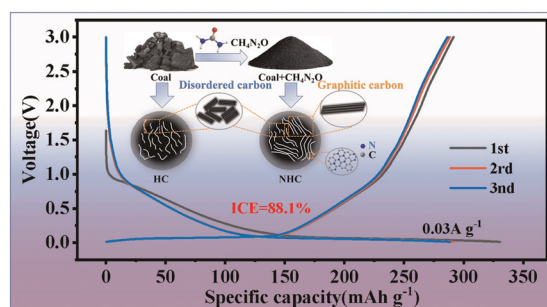


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Nitrogen-doped and partially graphitized coal-based hard carbon materials for high-performance sodium-ion storage in SIBs

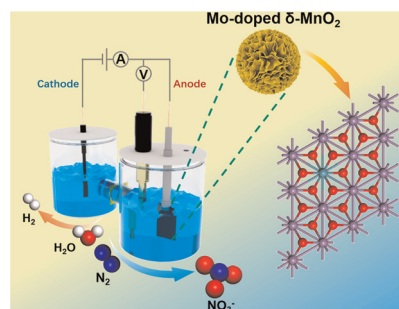
Dong Wang, Lirong Feng, Dejie Mo, Yutong Zhang, Xinru Zheng, Gang Xie and Xiaohui Guo*



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Mo-doped δ -MnO₂ nanoflowers enable efficient nitrogen oxidation to nitrate under mild conditions

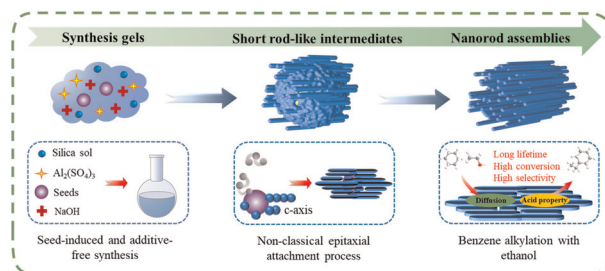
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Scalable and mesopore-free synthesis of a highly oriented nanorod-assembled ZSM-5 zeolite for efficient benzene alkylation with ethanol

Peng Zhu, Cun Liu,* Yue Han, Zhanming Gao, Xiongfu Zhang,* Guodong Liu* and Guohui Yang*



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Spin state modulation and chiral hierarchical assembly via amine-driven single-crystal-to-single-crystal transformation

Xu Ying, Zhenhua Zhu,* Peng Xu, Quan Zhou and Jinkui Tang*

