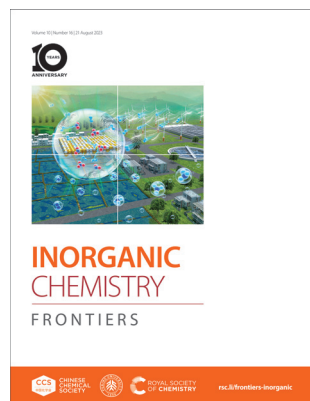


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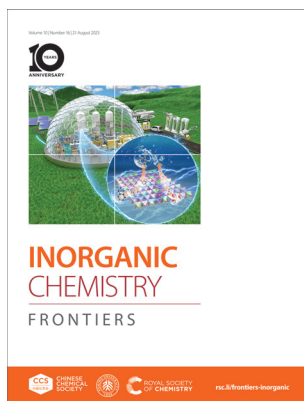
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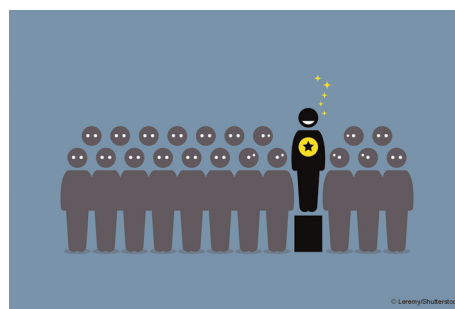
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Outstanding Reviewers for *Inorganic Chemistry Frontiers* in 2022

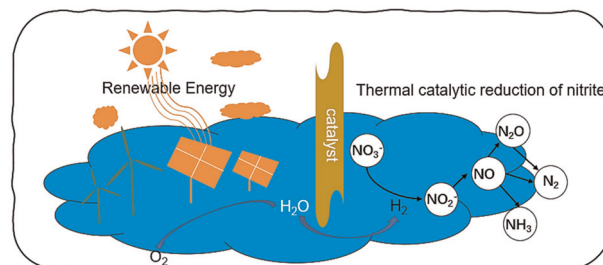


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Opportunities and challenges in aqueous nitrate and nitrite reduction beyond electrocatalysis

Guanling Yang, Pengfei Zhou, Jinsheng Liang, Hao Li* and Fei Wang*



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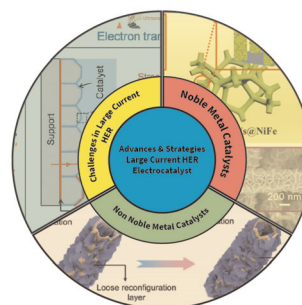


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Recent advances and strategies of electrocatalysts for large current density industrial hydrogen evolution reaction

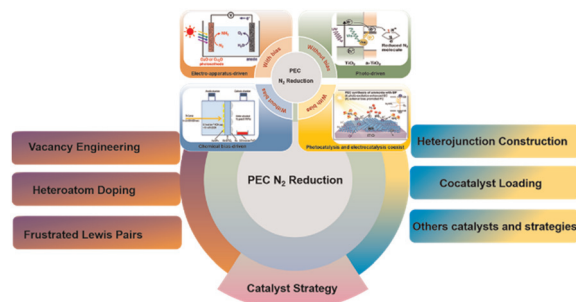
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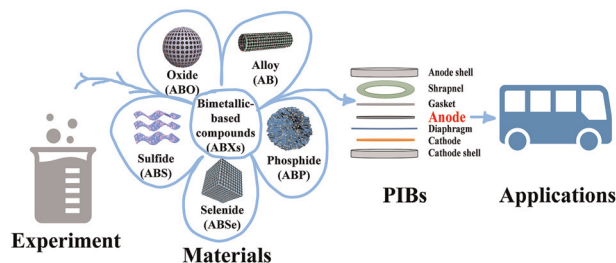
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Bimetallic-based composites for potassium-ion storage: challenges and perspectives

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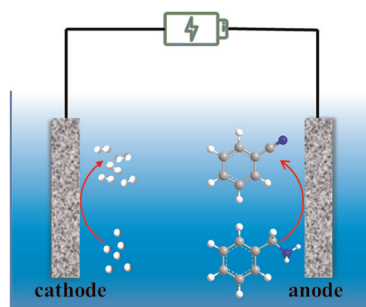


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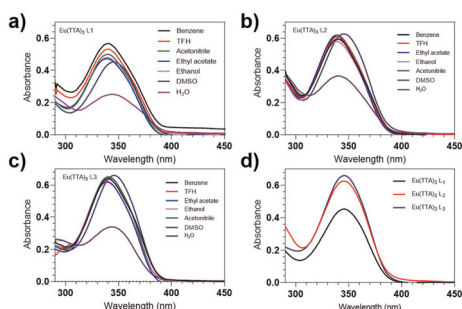
V modified Ni-based layer hydroxides for the electrocatalytic upgrading of amines to nitriles

Shaoxiong Bai, Liang Chen,* Jingjing Bai, Chenghang Lv, Shoudong Xu, Ding Zhang, Haibin Meng, Chunli Guo, Huimin Yang* and Chenjing Shang*



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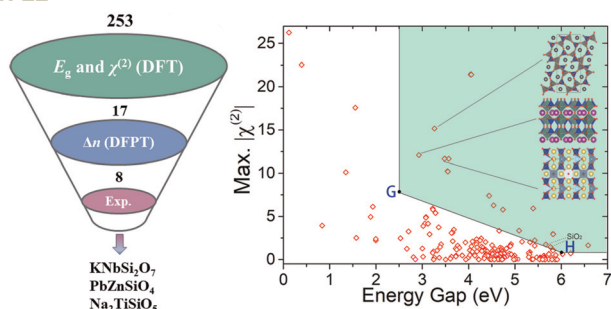
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Hao Yuan, Tao Wang, Tong Zhu, Zhihui Feng, Fei Wang, Yupeng Tian, Liulin Xiong and Xiaohe Tian*

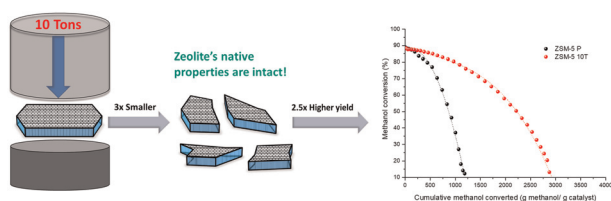
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Searching for silicate nonlinear optical materials by combining calculation and experiment

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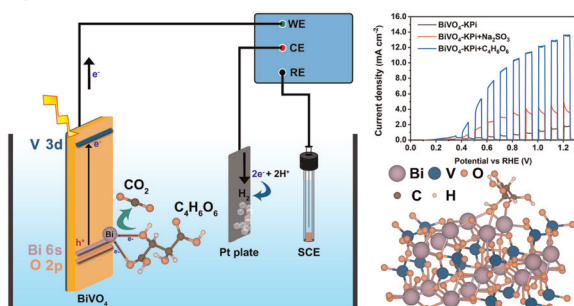
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Mono-directional pressure induced downsizing of zeolite crystals increases their catalytic performances

Mohammad Fahda, Louwanda Lakiss, Kamila Goldyn, Edwin Clatworthy, Marie Desmurs, Jean-Pierre Gilson, Svetlana Mintova and Valentin Valtchev*

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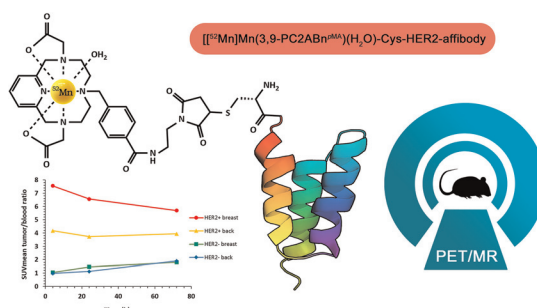


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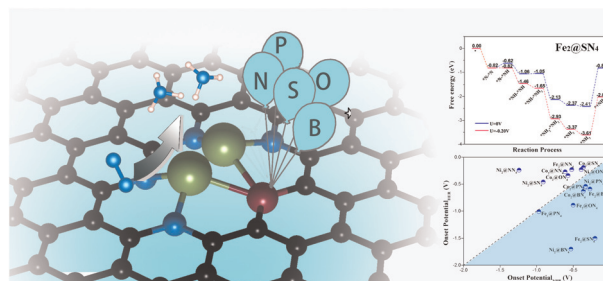
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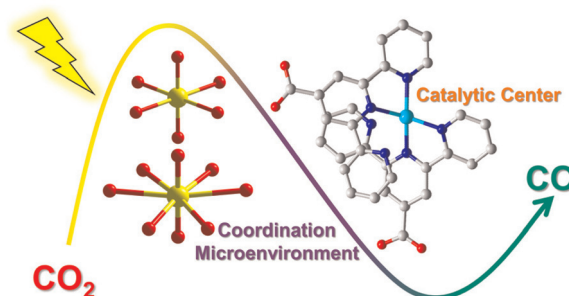
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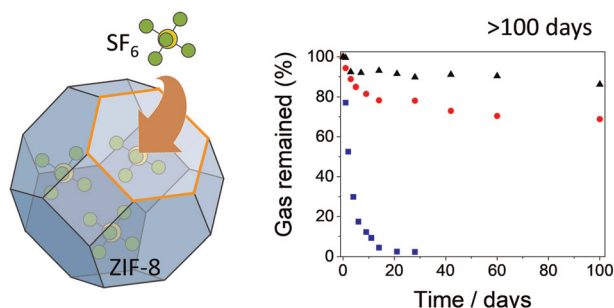
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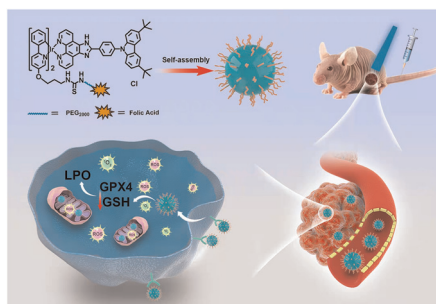
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Regulation of stability and detonation performance: preparation of coordination compounds by using isomeric ligands

Tingwei Wang, Chao Zhang, Zujia Lu, Baolong Kuang, Zhiming Xie, Zhenxin Yi, Yan Li and Jianguo Zhang*

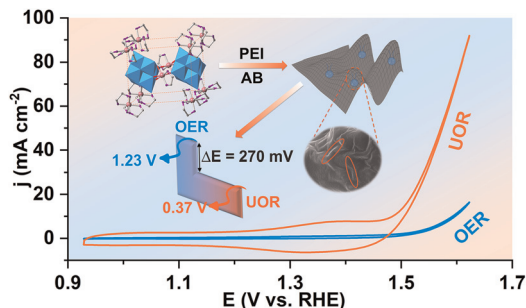
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Folate-targeted iridium complexes amplify photodynamic therapy efficacy through ferroptosis

Xiangdong He, Lai Wei, Jun Chen, Shuwang Ge, Martha Kandawa-Shultz, Guoqiang Shao* and Yihong Wang*

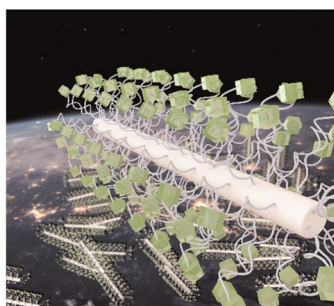
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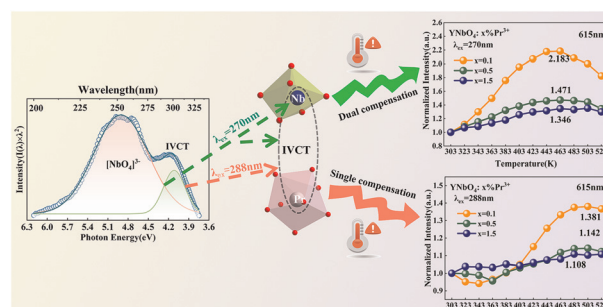


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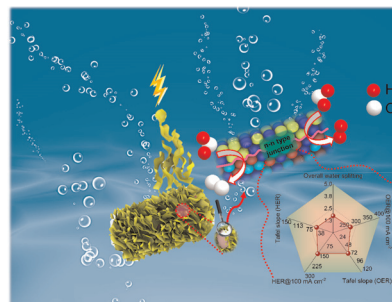
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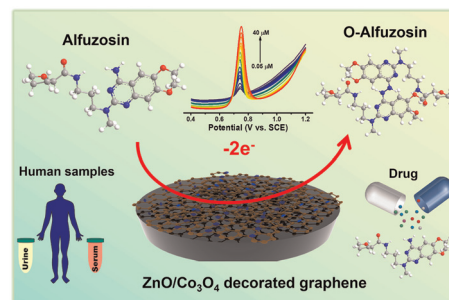
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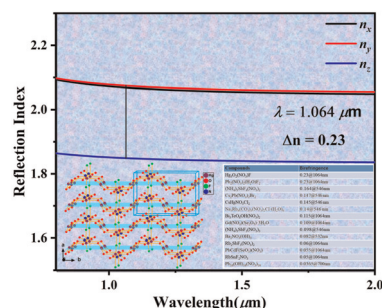
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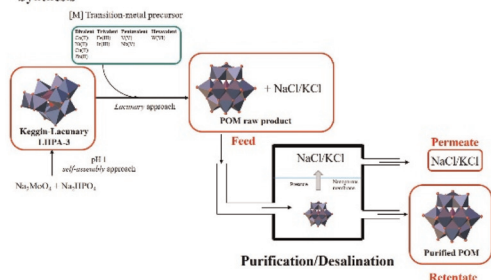
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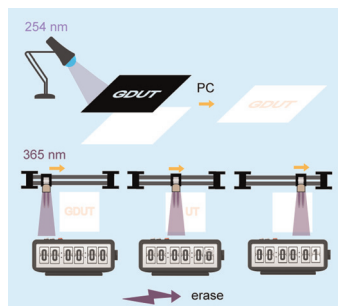
Synthesis



Study on the incorporation of various elements into the Keggin lacunary-type phosphomolybdate $[\text{PMo}_9\text{O}_{34}]^{9-}$ and subsequent purification of the polyoxometalates by nanofiltration

Jan-Christian Raabe, Tobias Esser, Froze Jameel, Matthias Stein, Jakob Albert and Maximilian J. Poller*

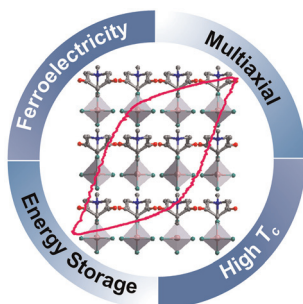
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$\text{Bi}^{3+}/\text{Sm}^{3+}$ co-doped LiTaO_3 photochromic perovskites: an ultrafast erasable optical information storage medium

Ruiting Zhang, Yahong Jin,* Yanmei Li,* Haoyi Wu and Yihua Hu*

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A multifunctional molecular ferroelectric with a high Curie temperature and electrical–thermal double-switch coexistence: $(\text{C}_8\text{H}_{14}\text{NO})[\text{FeCl}_4]$

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