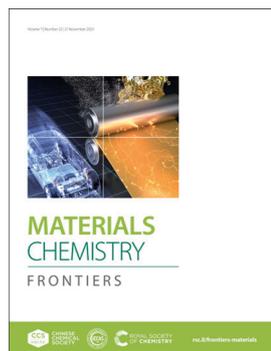


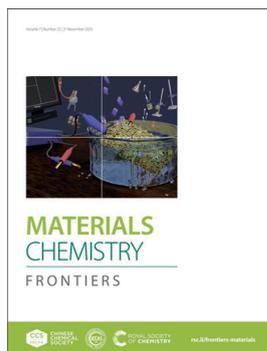
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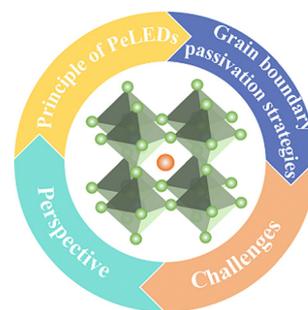
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High-performance perovskite light-emitting diodes based on grain boundary passivation: progress, challenges and perspectives

Yalian Weng, Eng Liang Lim, Yuanyuan Meng, Junpeng Lin and Zhanhua Wei*

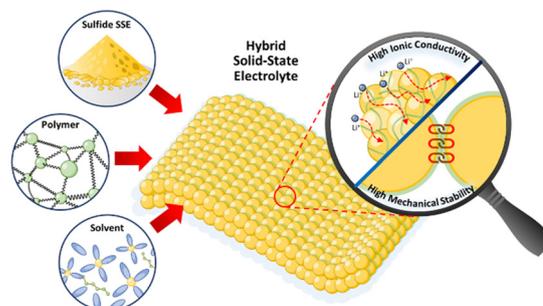


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A review of polymers in sulfide-based hybrid solid-state electrolytes for all-solid-state lithium batteries

Minjae Kim, Junhyeok Seo, Jeanie Pearl Dizon Suba and Kuk Young Cho*



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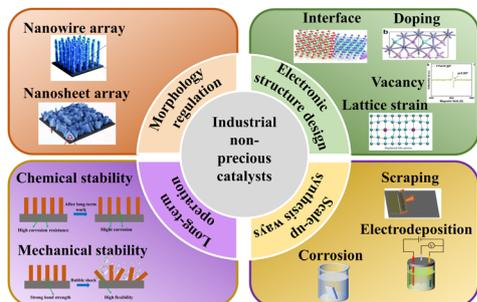
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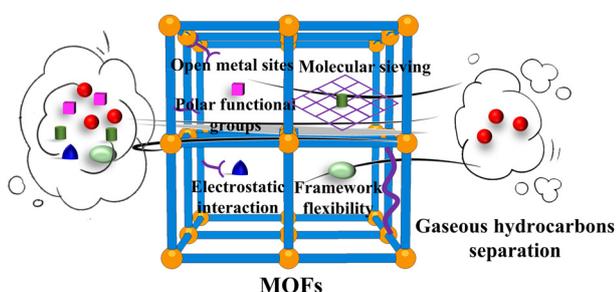
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Non-precious metal-based catalysts for water electrolysis to produce H₂ under industrial conditions

Lixiang He, Guang Yu, Yujia Cheng,* Ni Wang and Wencheng Hu*

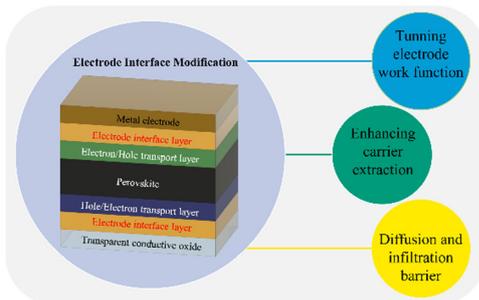
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Recent progress in metal–organic frameworks for the separation of gaseous hydrocarbons

Jing-Hong Li, Jun-Xian Chen, Rui-Biao Lin* and Xiao-Ming Chen*

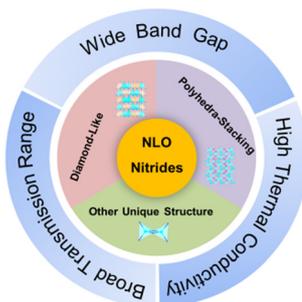
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Recent advances in electrode interface modifications in perovskite solar cells

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Nitrides: a promising class of nonlinear optical material candidates

Xin Zhao, Chensheng Lin, Haotian Tian, Chao Wang, Ning Ye and Min Luo*



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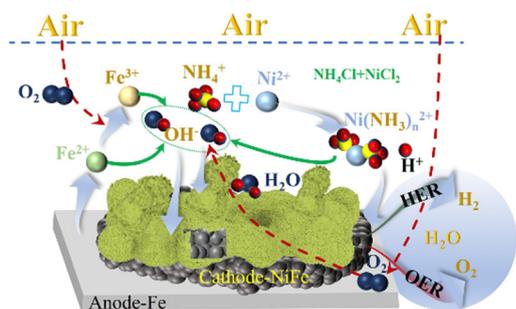
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In situ decorated $\text{Cu}_2\text{FeSnS}_4$ nanosheet arrays for low voltage hydrogen production through the ammonia oxidation reaction

Yoongu Lim, Subramani Surendran, Won So, Sathyanarayanan Shanmugapriya, Chanmin Jo, Gnanaprakasam Janani, Hyeonuk Choi, Hyun Soo Han, Heechae Choi, Young-Hoon Yun, Tae-Hoon Kim, Myeong-Jin Kim, Kyoungsook Jin, Jung Kyu Kim* and Uk Sim*

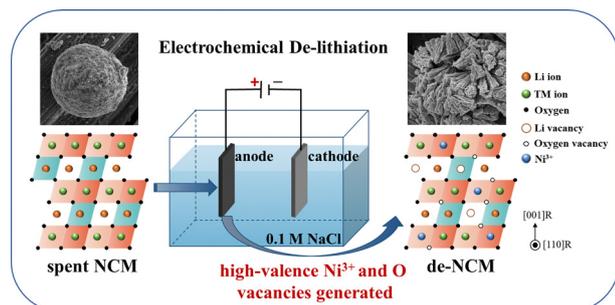
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Accelerating corrosion of iron foam enables a bifunctional catalyst for overall water splitting

Yunhua Liu, Jianfei Mao, Yujie Yuan, Hongsheng Huang, Xianguo Ma, Xiaoqin Li* and Zhaoyu Jin*

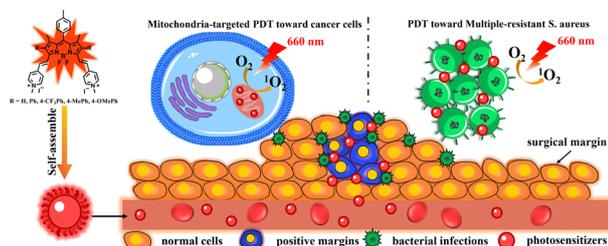
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High-valence Ni^{3+} construction and stability by electrochemical de-lithiation boosting oxygen evolution

Shujing Li, Xiaoming Zhu, Xiaohan Wang, Wenshu Luo, Xu Yu, Qiuyun Guo, Kunming Song, Han Tian,* Xiangzhi Cui* and Jianlin Shi

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BODIPY-based photosensitizers with simultaneous photodynamic antitumor and antibacterial effects

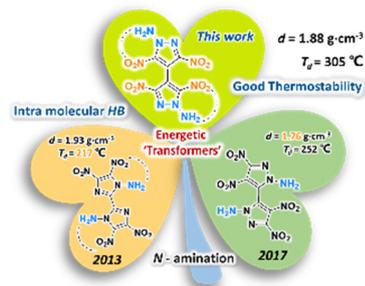
Bin-Kai Liu, Ji Zheng, Hui Wang,* Li-Ya Niu* and Qing-Zheng Yang*



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Energetic bi-diazole 'transformers' toward high-energy thermostable energetic compounds

Jingwei Meng, Teng Fei,* Jinxiong Cai, Qi Lai, Jinya Zhang, Siping Pang* and Chunlin He*



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Controllable growth of $\text{WO}_3@\text{GDY}$ heterointerface for efficient NH_3 synthesis

Xiaoyu Luan, Lu Qi, Zhiqiang Zheng, Shuya Zhao, Huimin Liu, Runyu Liu, Zhaoyang Chen, Jiayu Yan, Yurui Xue* and Yuliang Li*

