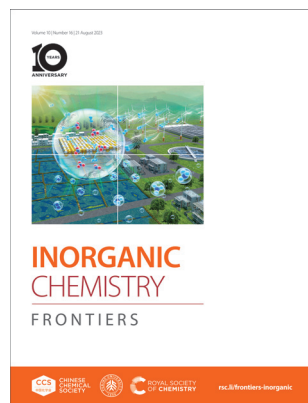


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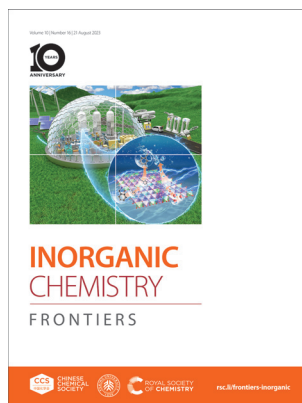
ISSN 2052-1553 CODEN ICFNAW 10(16) 4599–4890 (2023)



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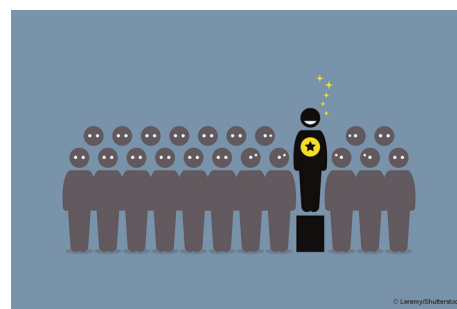
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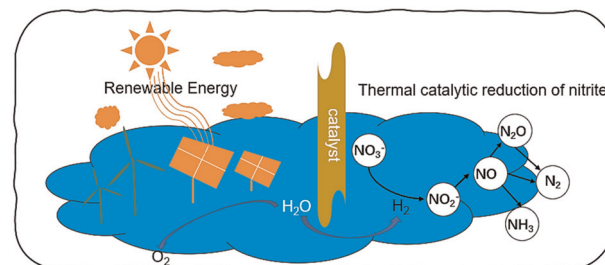


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#### Opportunities and challenges in aqueous nitrate and nitrite reduction beyond electrocatalysis

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



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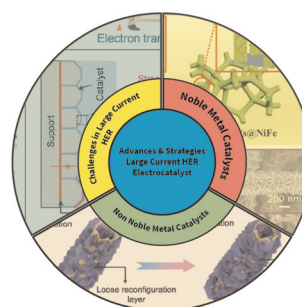


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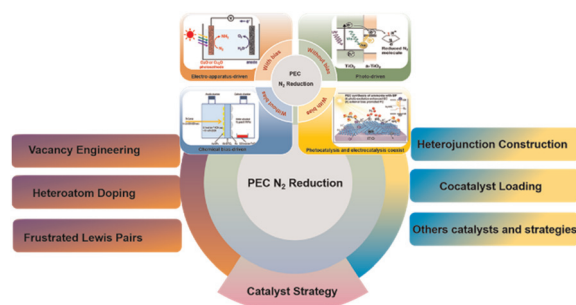
Tong Wu, Mingzi Sun, Hon Ho Wong, Cheuk Hei Chan, Lu Lu, Qiuyang Lu, Baian Chen and Bolong Huang\*



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### Recent progress in ammonia synthesis based on photoelectrocatalysis

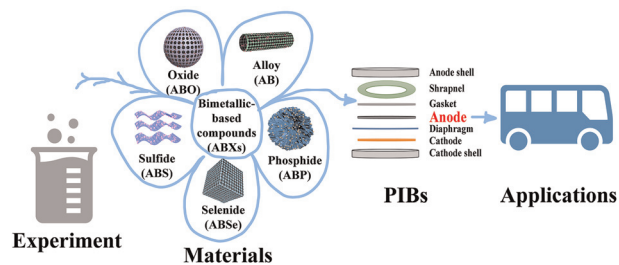
Pengyan Li, Yumin Liu, Muhammad Asim Mushtaq and Dongpeng Yan\*



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

Ping Hu, Yulian Dong, Zhijun Wu, Qun Fu, Huaping Zhao and Yong Lei\*

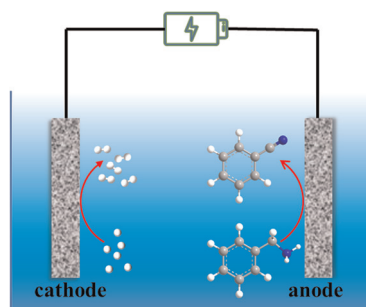


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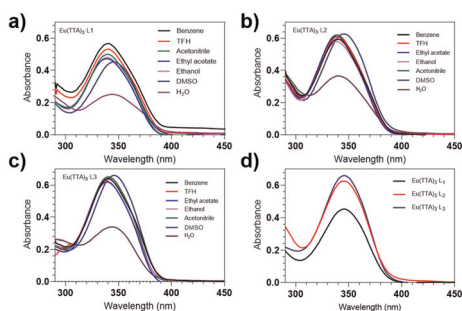
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Shaoxiong Bai, Liang Chen,\* Jingjing Bai, Chenghang Lv, Shoudong Xu, Ding Zhang, Haibin Meng, Chunli Guo, Huimin Yang\* and Chenjing Shang\*



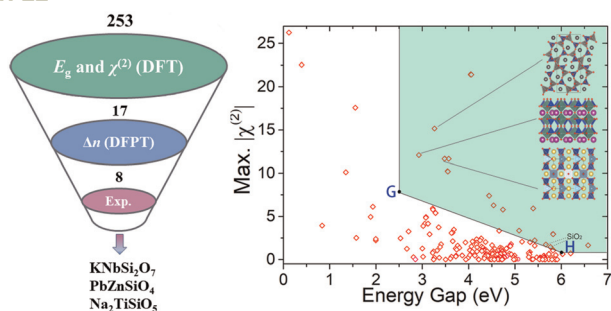
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Hao Yuan, Tao Wang, Tong Zhu, Zihui Feng, Fei Wang, Yupeng Tian, Liulin Xiong and Xiaohe Tian\*

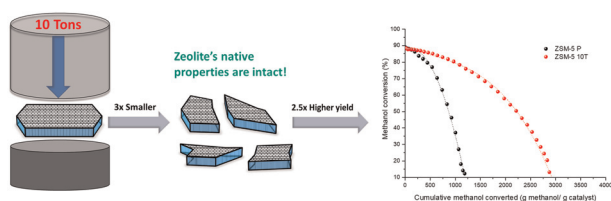
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### Searching for silicate nonlinear optical materials by combining calculation and experiment

Jingjing Zhang, Ruqing Wei, Daqing Yang, Ying Wang and Bingbing Zhang\*

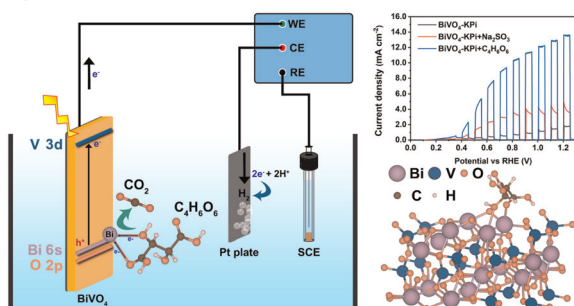
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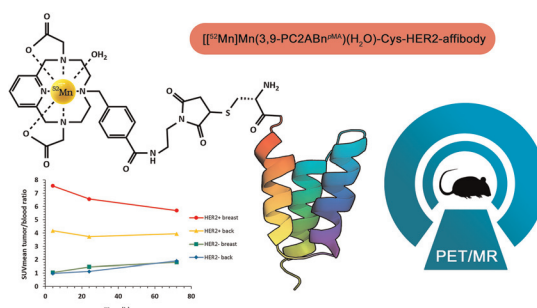


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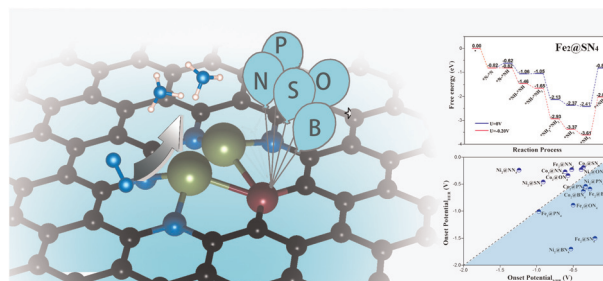
Balázs Váradi, Károly Brezovcsik, Zoltán Garda, Enikő Madarasi, Horea Szedlacsek, Rodica-Aura Badea, Andrei-Mihai Vasilescu, Adina-Gabriela Puiu, Aura Elena Ionescu, Livia-Elena Sima, Cristian V. A. Munteanu, Simona Călărăș, Adrienn Vágner, Dezső Szikra, Ngô Minh Toàn, Tibor Nagy, Zoltán Szűcs,\* Stefan Szedlacsek,\* Gábor Nagy\* and Gyula Tircsó\*



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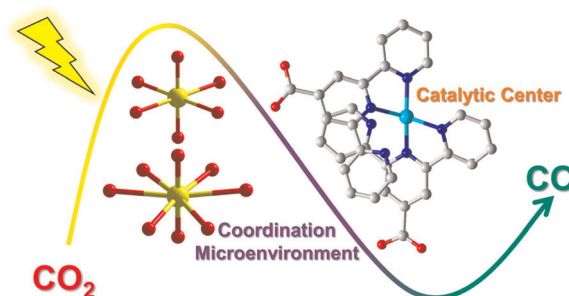
Ji Zhang, Weisong Yang and Chenghua Sun\*



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### Modulating the coordination microenvironment of uranyl compounds to enhance photocatalytic CO<sub>2</sub> reduction

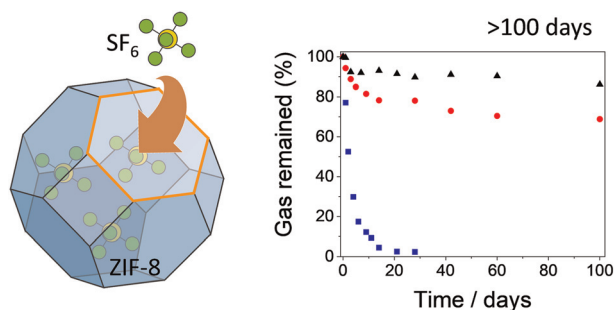
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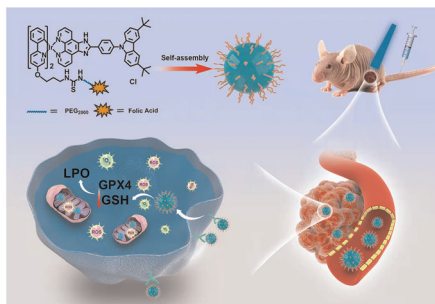
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Tingwei Wang, Chao Zhang, Zujia Lu, Baolong Kuang, Zhiming Xie, Zhenxin Yi, Yan Li and Jianguo Zhang\*

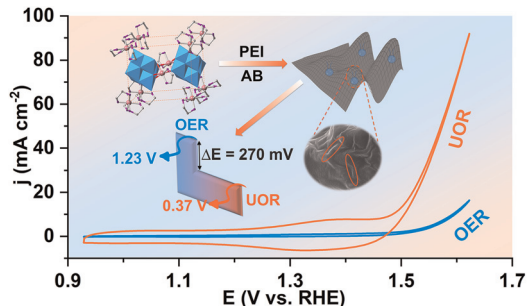
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Xiangdong He, Lai Wei, Jun Chen, Shuwang Ge, Martha Kandawa-Shultz, Guoqiang Shao\* and Yihong Wang\*

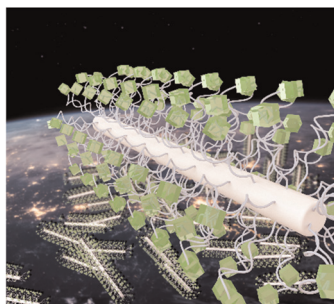
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Lei Qiu, Mengyu Guan, Wei Wang, Maxim S. Molokeev, Sergey P. Polyutov, Zhigao Dai\* and Guogang Li\*

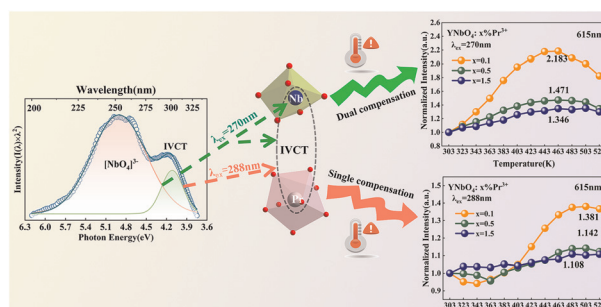


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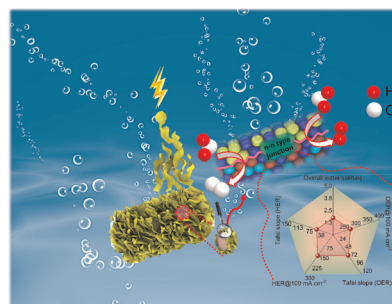
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### Constructing an n-n junction between CoFe-LDH and NiCoP as bifunctional electrocatalysts for efficient overall water splitting

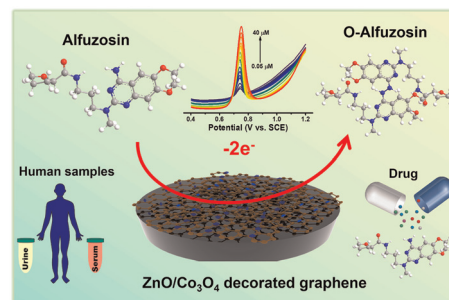
Mengyuan Qin, Guiyuan Ma, Wenxue Tan, Zunhao Fan and Xing Xin\*



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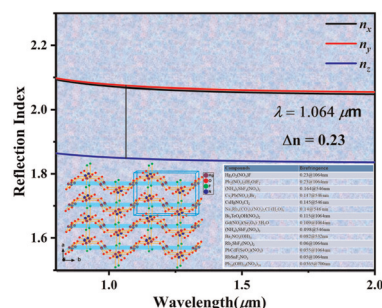
Gajapaneni Venkata Prasad, Venkatachalam Vinothkumar, Seung Joo Jang and Tae Hyun Kim\*



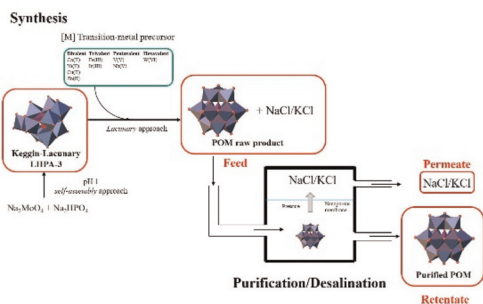
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Yi-Lei Lv, Lei Huai, Yu-Long Wei, Liang Ma, Yue-Qi Wei, Wenlong Liu and Ru-Ling Tang\*



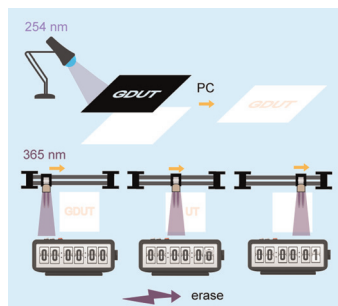
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Jan-Christian Raabe, Tobias Esser, Froze Jameel, Matthias Stein, Jakob Albert and Maximilian J. Poller\*

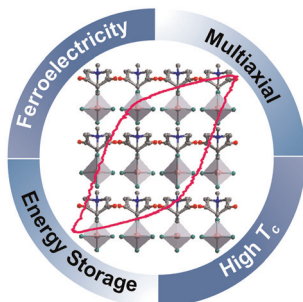
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Ruiting Zhang, Yahong Jin,\* Yanmei Li,\* Haoyi Wu and Yihua Hu\*

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Fang-Xin Wang, Yun-Zhi Tang,\* Yu-Hui Tan,\* Yi-Ran Zhao, Jia-Ying Wang, Yu-Kong Li, Hao Zhang, Ting-Ting Ying and Ming-Yang Wan

