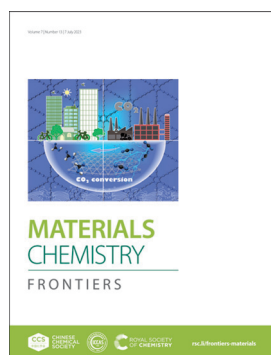


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#### Cover

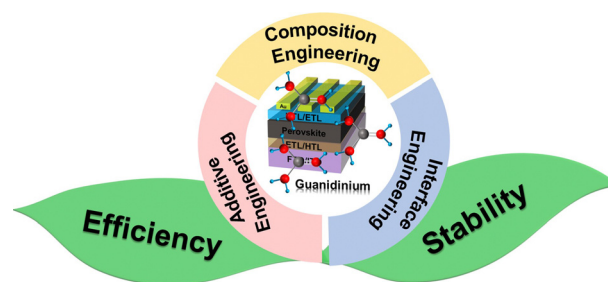
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#### Magic guanidinium cations in perovskite solar cells: from bulk to interface

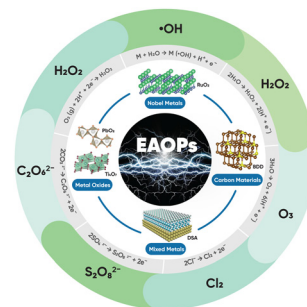
Pengfei Wu, Dewang Li,\* Shirong Wang\* and Fei Zhang\*



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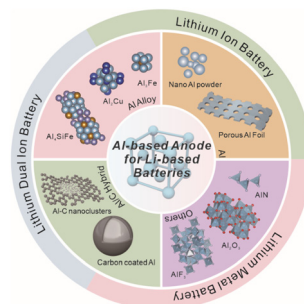


## REVIEWS

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### Al-based materials for advanced lithium rechargeable batteries: recent progress and prospects

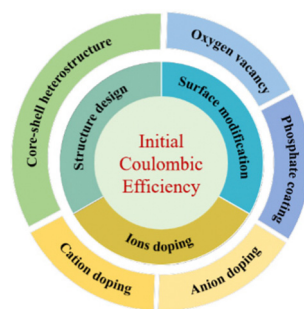
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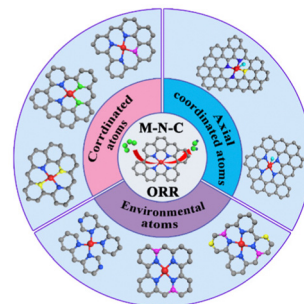
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### Recent progress in heteroatom doping to modulate the coordination environment of M–N–C catalysts for the oxygen reduction reaction

Xuan Xie, Hui Peng, Guofu Ma,\* Ziqiang Lei and Yuxi Xu\*

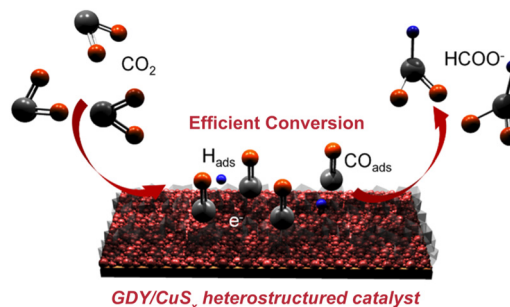


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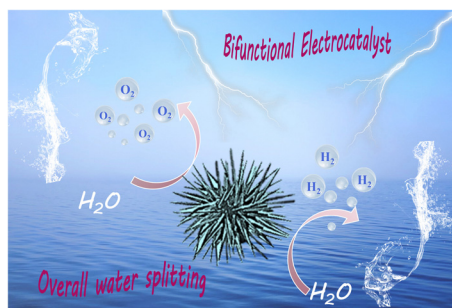
### Graphdiyne/copper sulfide heterostructure for active conversion of CO<sub>2</sub> to formic acid

Shiyao Cao, Yurui Xue,\* Xi Chen, Chao Zhang, Yang Gao and Yuliang Li\*



## RESEARCH ARTICLES

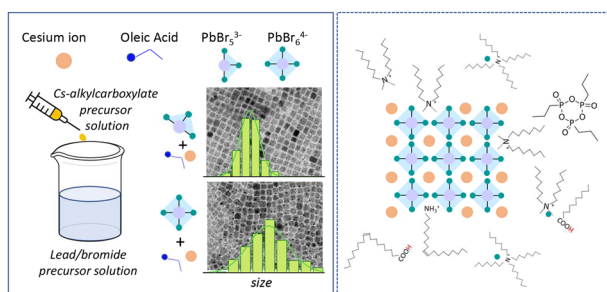
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### Electron-transfer enhancement of urchin-like CoP–Ce<sub>2</sub>(CO<sub>3</sub>)<sub>2</sub>O/NF as an ultra-stable bifunctional catalyst for efficient overall water splitting

Lixia Wang, Meilin Huang, Mingcheng Gao, Tayirjan Taylor Isimjan\* and Xiulin Yang\*

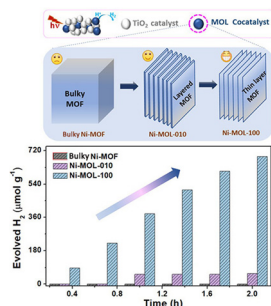
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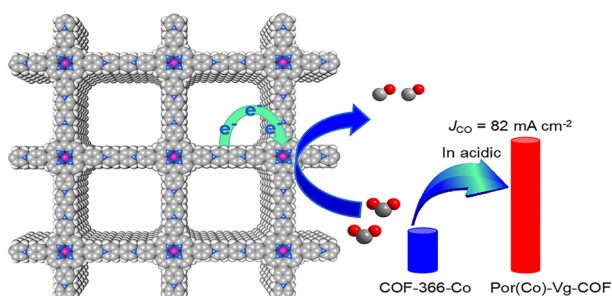
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Zao Wang, Man Wang, Jiajia Song,\* Jishan Wu\* and Zhen Li\*

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Xin Zhang, Yin-Zong Yuan, Hong-Fang Li,\* Qiu-Jin Wu, Hong-Jing Zhu, Yu-Liang Dong, Qiao Wu, Yuan-Biao Huang\* and Rong Cao\*

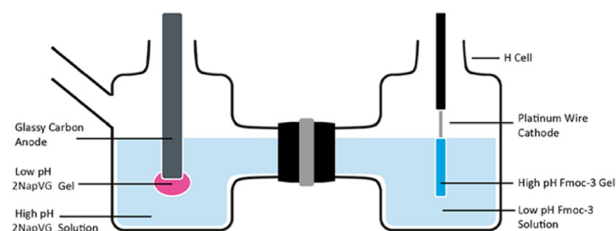


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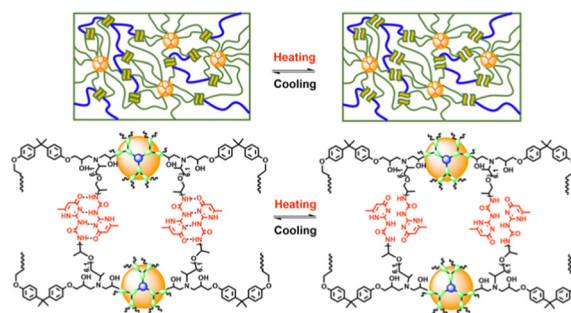
Courtenay Patterson, Santanu Panja, Wanli Liu, Andrew R. Mount, Adam Squires and Dave J. Adams\*



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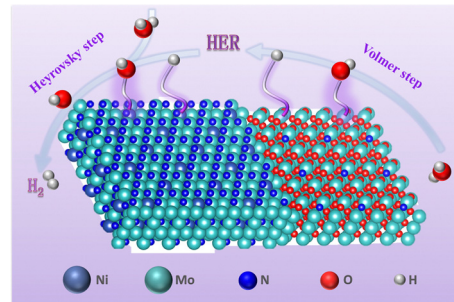
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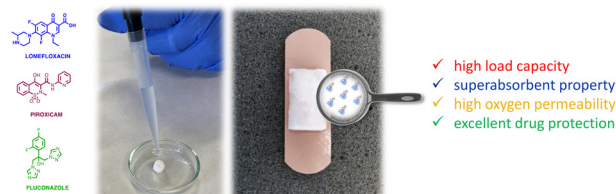
Zhongmin Wang,\* Jing Qu, Yanxiang He, Tuzhi Xiong, Zhimin Huang, Feng Wang\* and M.-Sadeeq Balogun\*



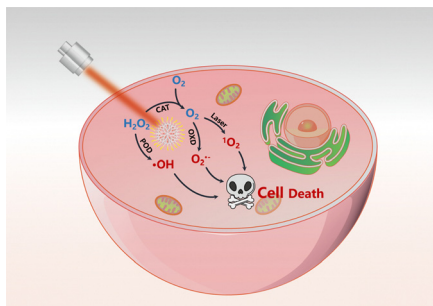
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