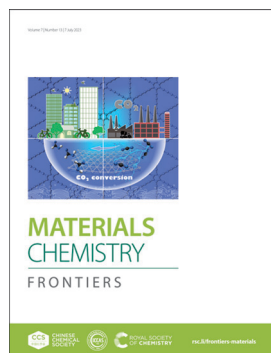


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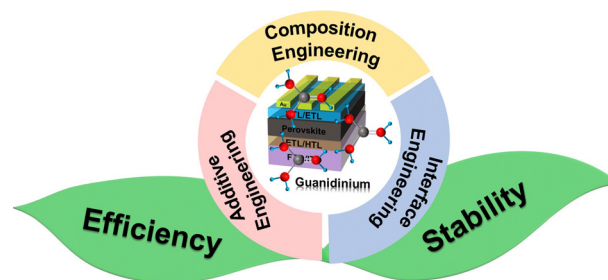
See Yurui Xue, Yuliang Li *et al.*, pp. 2620–2627. Image reproduced by permission of Shiyao Cao, Yurui Xue, Xi Chen, Chao Zhang, Yang Gao and Yuliang Li from *Mater. Chem. Front.*, 2023, 7, 2620.

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

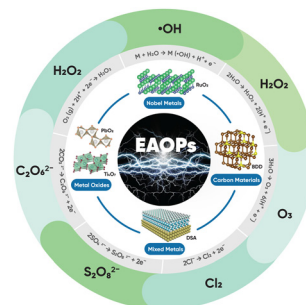
Pengfei Wu, Dewang Li,* Shirong Wang* and Fei Zhang*



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Emerging electrocatalysts for electrochemical advanced oxidation processes (EAOPs): recent progress and perspectives

Yajie Shu, Mengqing Hu, Ming Zhou, Huajie Yin,* Porun Liu,* Haimin Zhang and Huijun Zhao*



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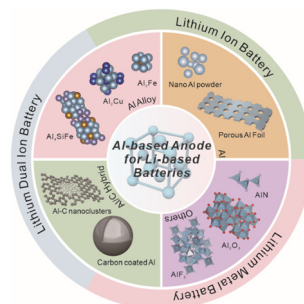


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Al-based materials for advanced lithium rechargeable batteries: recent progress and prospects

Bing Sun, Yin Xu, Song Yang, Dongmei Zhang, Cunyuan Pei and Shibing Ni*



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Review on comprehending and enhancing the initial coulombic efficiency of Li-rich Mn-based cathode materials in lithium-ion batteries

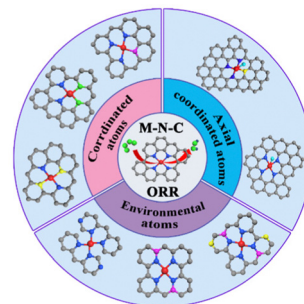
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Recent progress in heteroatom doping to modulate the coordination environment of M–N–C catalysts for the oxygen reduction reaction

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

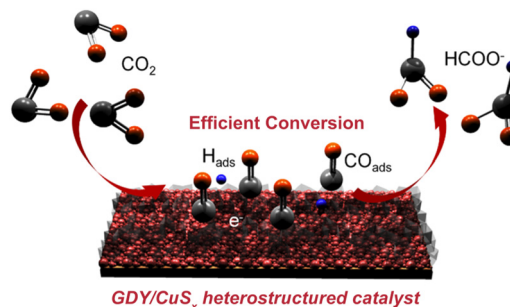


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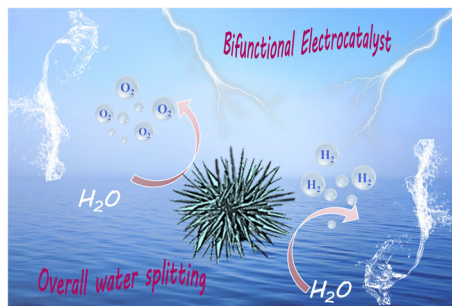
Graphdiyne/copper sulfide heterostructure for active conversion of CO₂ to formic acid

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



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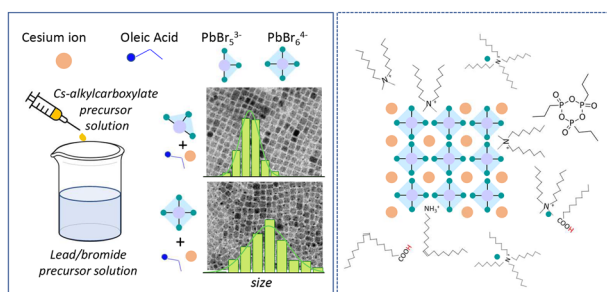
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Electron-transfer enhancement of urchin-like CoP–Ce₂(CO₃)₂O/NF as an ultra-stable bifunctional catalyst for efficient overall water splitting

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

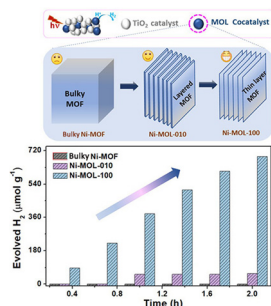
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Molecular insights into the growth and time evolution of surface states of CsPbBr₃ nanoparticles synthesized using a scalable room temperature approach

Mariangela Giancaspro, Roberto Grisorio, Gabriele Alò, Nicola Margiotta, Annamaria Panniello, Gian Paolo Suranna, Nicoletta Depalo, Marinella Striccoli, M. Lucia Curri and Elisabetta Fanizza*

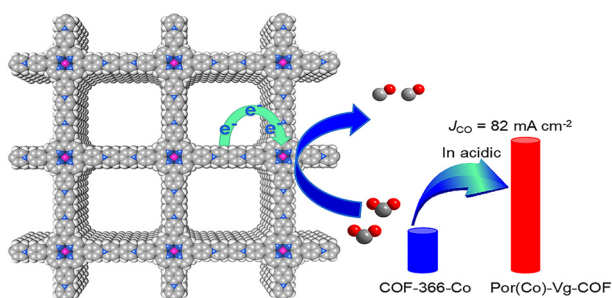
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Activating photocatalytic hydrogen evolution by constructing Ni-based organic layers and tailoring its crystal facets

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

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Viologen linker as a strong electron-transfer mediator in the covalent organic framework to enhance electrocatalytic CO₂ reduction

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*

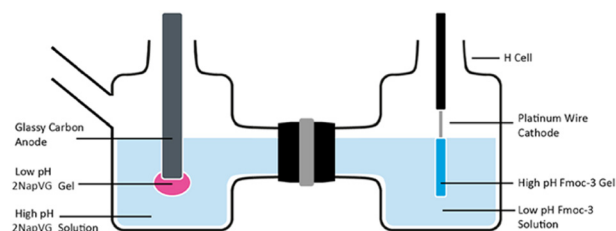


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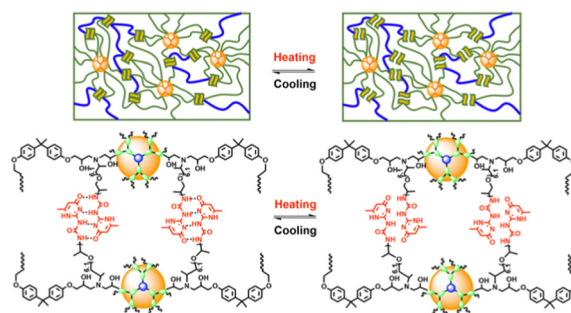
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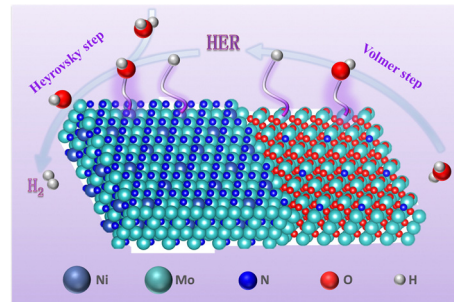
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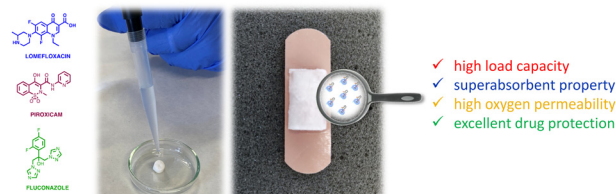
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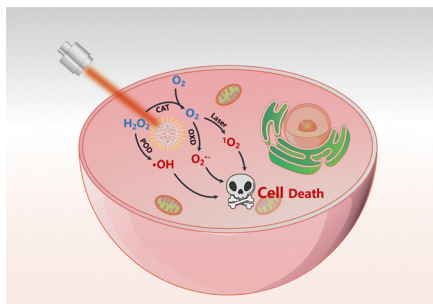


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Carbon dots/platinum nanoparticles-loaded mesoporous silica for synergistic photodynamic/catalytic therapy of hypoxic tumors

Ke Liang, Fanghao Zhao, Fuchun Nan, Jian Wang, Yunxiu Zhang, Jian Li, Xiaokuang Xue, Tiejin Chen, Lin Kong, Jiechao Ge* and Pengfei Wang

