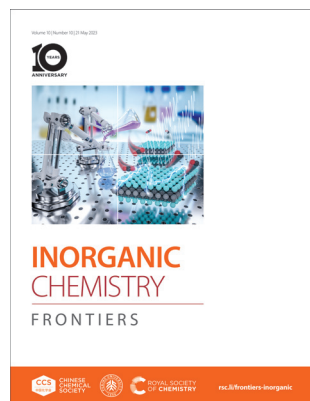


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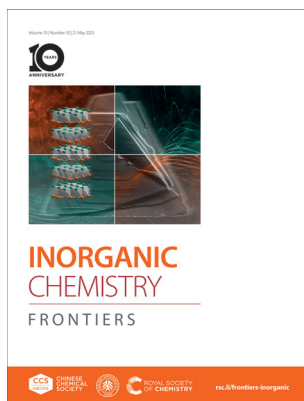
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See Yu Zhao, Xi Zhu *et al.*, pp. 2903–2910.

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See Domenic Nowak, Silke Hampel, Nico Gräßler *et al.*, pp. 2911–2916.

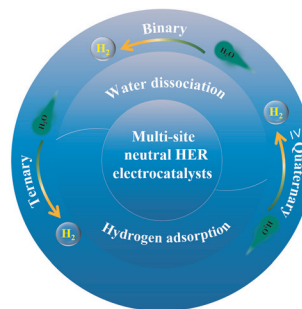
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REVIEWS

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Development and perspectives of multi-site electrocatalysts for neutral hydrogen evolution

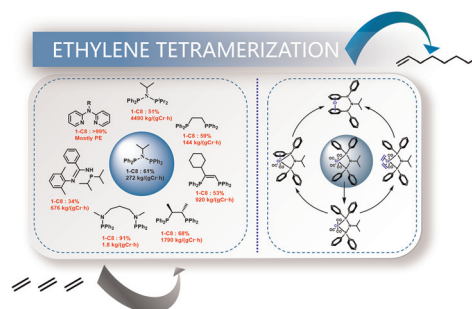
Jianqing Zhou, Yunlong Xie, Lun Yang, Yisi Liu, Yue Du, Luo Yu* and Ying Yu*



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Selective ethylene tetramerization: an overview

Biaobiao Hao, Fakhre Alam, Yan Jiang, Libo Wang, Haonan Fan, Jing Ma, Yanhui Chen, Yating Wang* and Tao Jiang*



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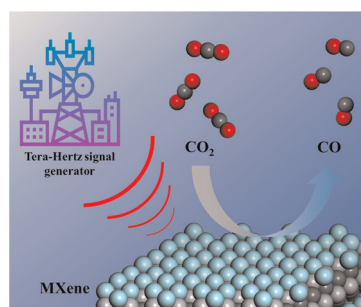


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Tera-hertz (THz) catalysis on MXene for enhanced selectivity from CO₂ to CO

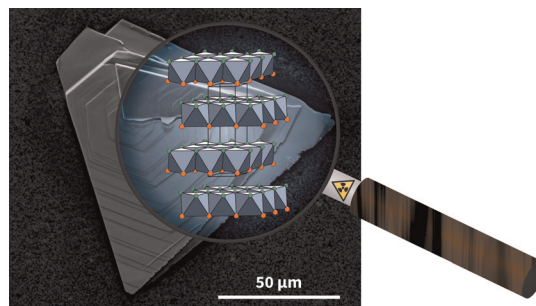
Ziao Wang, Yao Xu, Tao Feng, Chaojun Lei, Yu Zhao* and Xi Zhu*



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Crystal growth of the 2D Janus rhodium chalcogenide RhSeCl

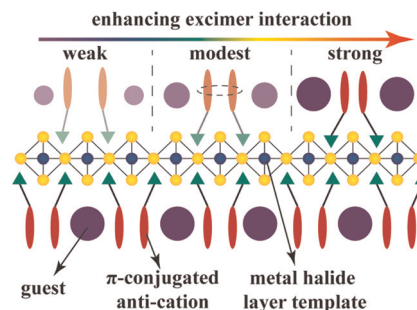
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Modulating anthracene excimer through guest engineering in two-dimensional lead bromide hybrids

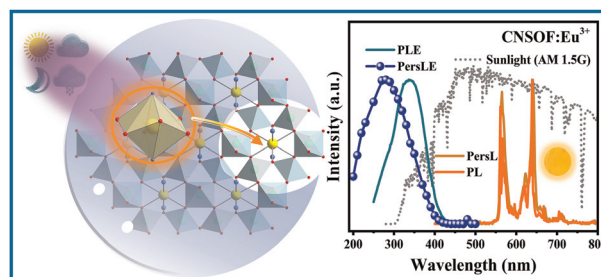
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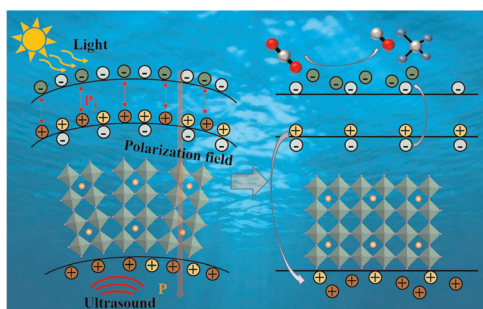
Sunlight-activated Eu³⁺-doped CaNaSb₂O₆F yellow-orange long-persistence luminescence material

Xuexia Chen, Ran Pang,* Shangwei Wang, Weihong Yuan, Jiangyue Su, Tao Tan, Su Zhang,* Chengyu Li and Hongjie Zhang



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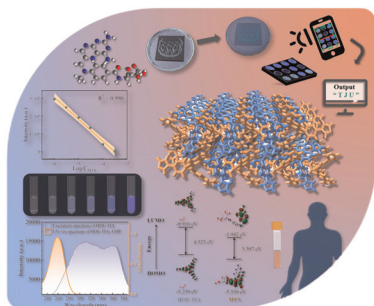
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Understanding the synergistic effect of piezoelectric polarization and the extra electrons contributed by oxygen vacancies on an efficient piezo-photocatalysis CO₂ reduction

Qijun Xu, Jingwen Jiang, Xuelin Sheng, Qi Jing, Xiaofeng Wang, Lingyan Duan* and Hong Guo*

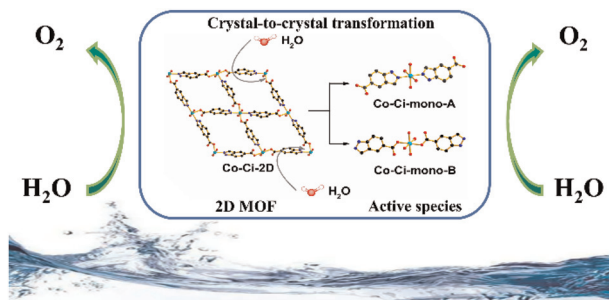
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A two-dimensional luminescent HOF containing an interpenetrating network structure with dual function: highly sensitive detection of methotrexate and multi-level information encryption

Chunyu Yang, Xin Xu and Bing Yan*

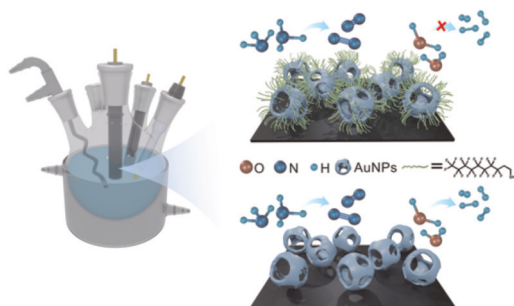
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Structural transformation of metal-organic frameworks and identification of electrocatalytically active species during the oxygen evolution reaction under neutral conditions

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Highly efficient electrochemical ammonia synthesis using superhydrophobic nanoporous silver

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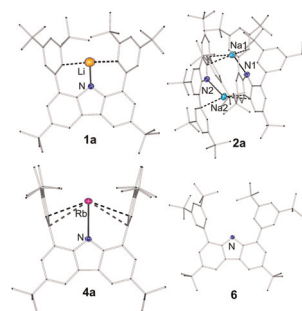


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Efficient fluorescence of alkali metal carbazolides

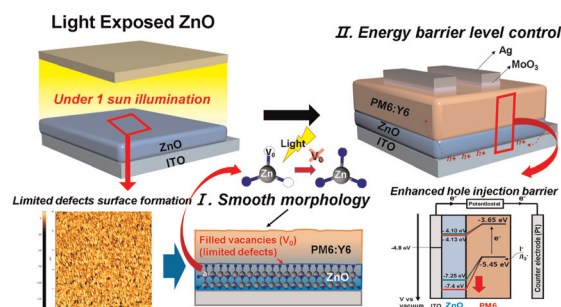
Michelle Kaiser, Maximilian P. Müller,
Frederic Krätschmer, Mark Rutschmann and
Alexander Hinz*



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Facile light exposure of zinc oxide *via* interfacial engineering for boosting responsivity and detectivity in organic photodetectors

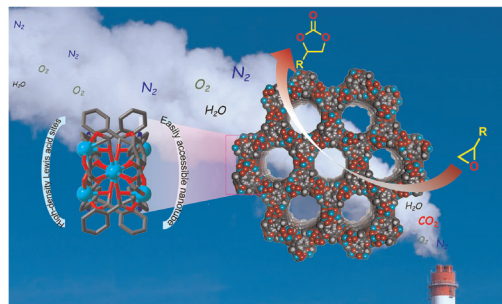
Jihyun Lim, Woongsik Jang, Junmin Lee, Ji Yun Chun
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A stable nanotubular metal–organic framework as heterogeneous catalyst for efficient chemical fixation of CO₂

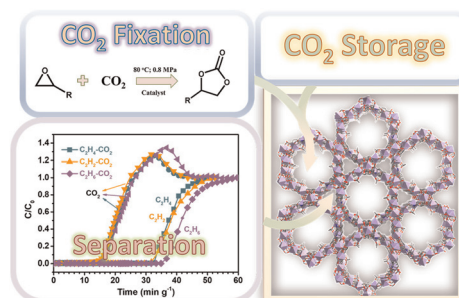
Xueqin Tian, Xuefu Hu, Wenjing Zhao, Pengyan Wu,*
Yan Wu, Xin Xie, Fangmin Huang,* Jinwen Cheng and
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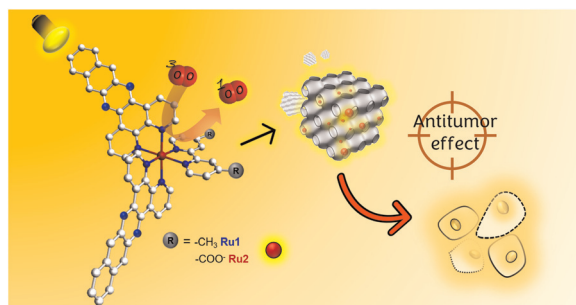
Design of a robust rod-packing scandium–organic framework for C₂H₄/CO₂ separation, CO₂ storage, and catalytic CO₂ cycloaddition

Hong-Juan Lv, Shu-Cong Fan, Yu-Cheng Jiang,*
Shu-Ni Li and Quan-Guo Zhai*



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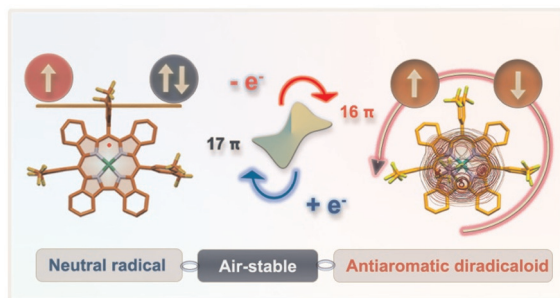
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Ruthenium(II) polypyridyl complexes with π -expansive ligands: synthesis and cubosome encapsulation for photodynamic therapy of non-melanoma skin cancer

Gina Elena Giacomazzo, Michele Schlich, Luca Casula, Luciano Galantini, Alessandra Del Giudice, Giangaetano Pietraperzia, Chiara Sinico, Francesca Cencetti, Sara Pecchioli, Barbara Valtancoli, Luca Conti,* Sergio Murgia* and Claudia Giorgi*

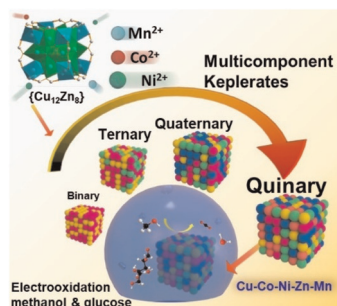
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Redox-switchable bistable nickel corrole

Hu Gao, Fan Wu,* Yue Zhao, Xianli Yang and Zhen Shen*

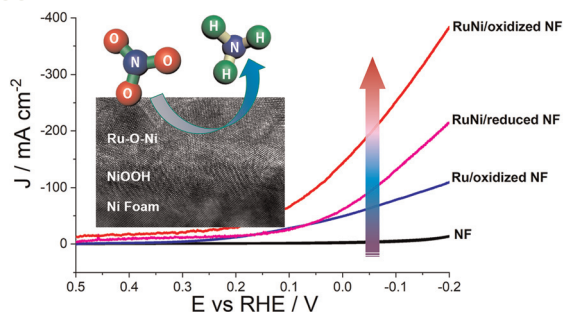
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Medium-entropy state quinary keplerate clusters as a remarkable electrocatalyst for small molecule electrooxidation

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Exploring the origin of the high electro-catalytic activity for nitrate-to-ammonia conversion on electrodeposited Ni/Ru hydroxide hybrids

Fengling Zhou* and Chenghua Sun*

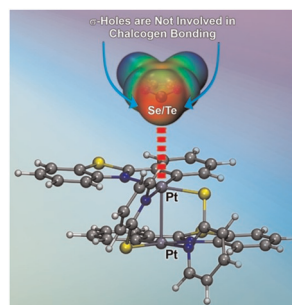


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A new look at the chalcogen bond: π -hole-based chalcogen (Se, Te) bonding which does not include a σ -hole interaction

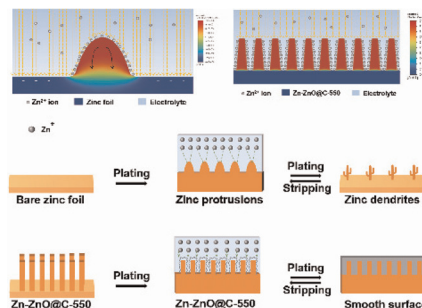
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Nikolay A. Semenov, Nadezhda A. Bokach and
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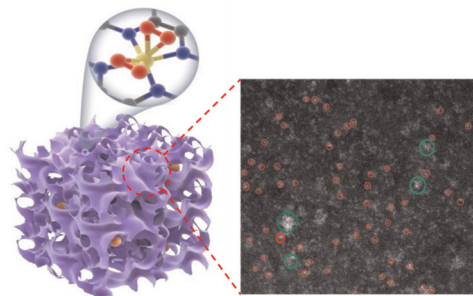
Chuancheng Mou, Yujia Bai, Chang Zhao,
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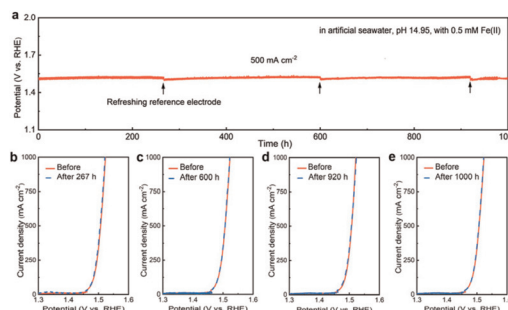
Jianping Liu, Guijun Li, Chuanlan Xu, Hongdian Chen,
Rong Jin, Lingtao Sun, Chenyang Shu, Haifeng Chen,
Chaozhong Guo,* Honglin Li* and Yujun Si*



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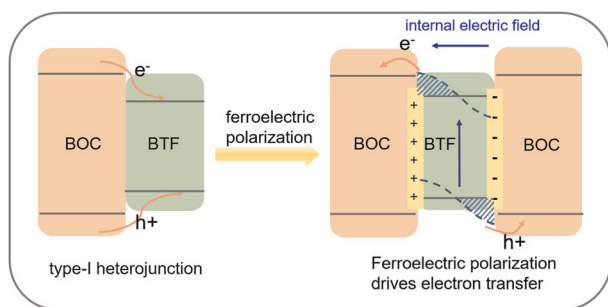
Stable seawater oxidation with a self-healing oxygen-evolving catalyst

Xiaojian Zhang, Chao Feng, Zeyu Fan, Beibei Zhang,
Yequan Xiao, Andraž Mavrič, Nadiia Pastukhova,
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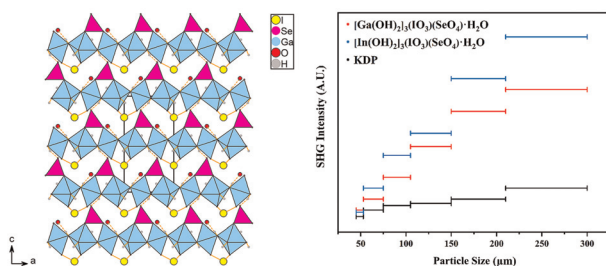
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Breaking through the interfacial energy barrier limitations of type-I heterojunctions via ferroelectric polarization engineering: a case study of $\text{Bi}_5\text{Ti}_3\text{FeO}_{15}/\text{BiOCl}$

Fangyuan Xing, Lin Wang, Yu Zhou, Shaohua Jin, Haibo Jin and Jingbo Li*

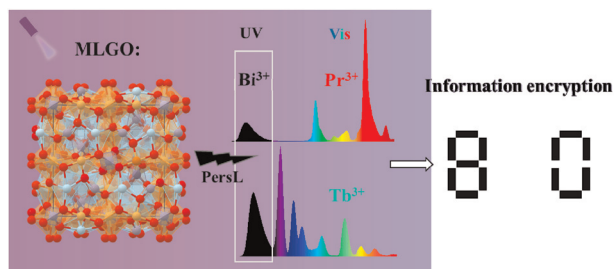
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$[\text{M}(\text{OH})_2]_3(\text{IO}_3)(\text{SeO}_4) \cdot \text{H}_2\text{O}$ (M = Ga and In): metal iodate-selenate nonlinear optical materials with a hexagonal tungsten oxide-type topology

Qian-Qian Chen, Chun-Li Hu, Bing-Xuan Li and Jiang-Gao Mao*

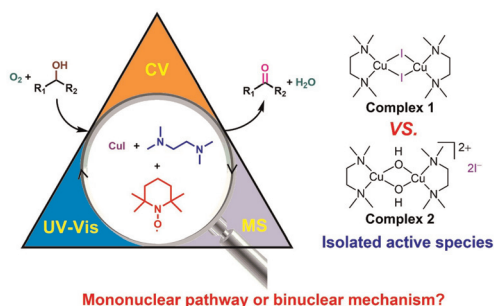
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Developing dual-mode material with ultraviolet and visible persistent luminescence for multi-mode anti-counterfeiting and information encryption

Lin Liu, Jixuan Xu, Yiang Li, Shanshan Peng, Peng Lin, Hongyun Zhong, Liang Song, Junpeng Shi, Xia Sun* and Yun Zhang*

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The mechanistic diversity of the selective aerobic oxidation of alcohols catalyzed by systems derived from CuI and a diamine ligand

Wei Zhong,* Jiabin Luo, Zhenzhen Liu, Guangli Zhan, Lihua Zhu, Chunxin Lu, Zhongquan Shen, Xueming Li and Xiaoming Liu*



CORRECTION

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Correction: A novel bright cyan emitting phosphor of Eu^{2+} activated $\text{Ba}_6\text{BO}_3\text{Cl}_9$ with robust thermal stability for full-spectrum WLED applications

Shengjian Jiao, Ran Pang,* Jiutian Wang, Tao Tan, Chengyu Li* and Hongjie Zhang

