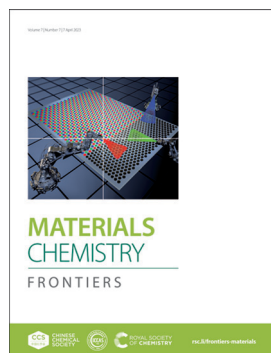


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#### Cover

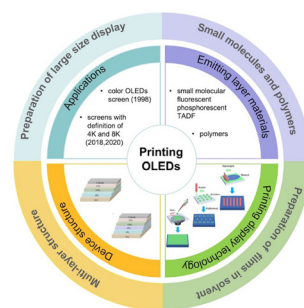
See Jian-Xin Tang, Yan-Qing Li *et al.*, pp. 1166–1196. Image reproduced by permission of Jian-Xin Tang from *Mater. Chem. Front.*, 2023, 7, 1166.

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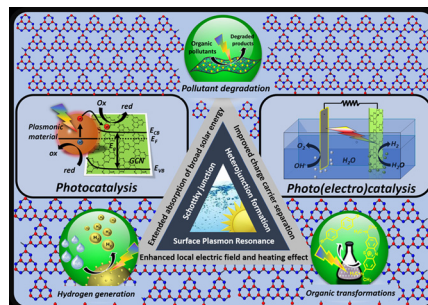
Xin-Yi Zeng, Yan-Qing Tang, Xiao-Yi Cai, Jian-Xin Tang\* and Yan-Qing Li\*



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Ajay Kumar, Priyanka Choudhary, Tripti Chhabra, Harpreet Kaur, Ashish Kumar, Mohammad Qamar and Venkata Krishnan\*



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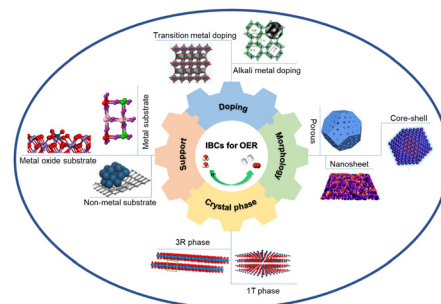


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### Iridium-based electrocatalysts for the acidic oxygen evolution reaction: engineering strategies to enhance the activity and stability

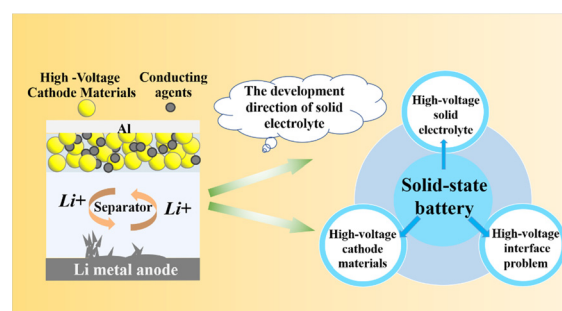
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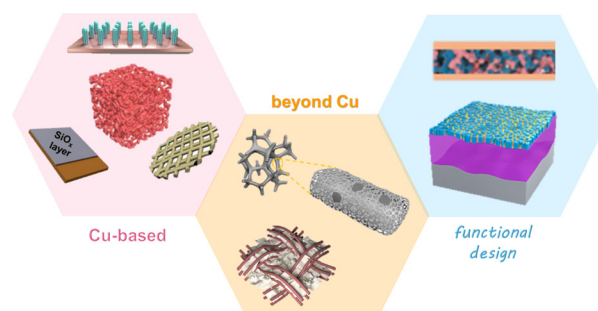
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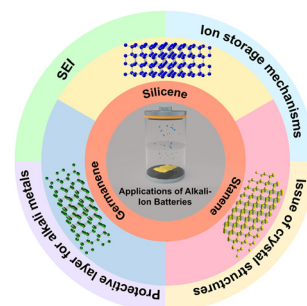
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Alicja Bachmatiuk and Mark H. Rummeli\*



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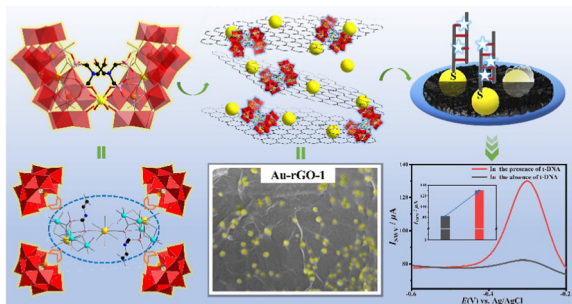
### Group IV elemental 2D materials beyond graphene used as electrodes for alkali-ion batteries

Hsu-Sheng Tsai, Jing Li, Zhengguang Shi, Mingxue Huo\*  
and Shih-Hsin Ho\*



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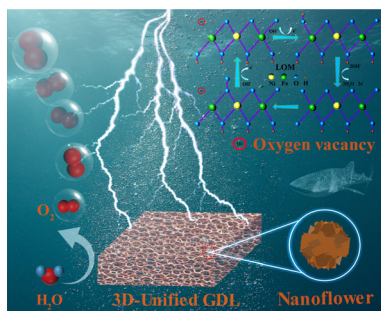
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**Organophosphonic acid and cerium functionalized antimonotungstate with electrochemical promise in biosensing bacterial dissimilatory sulfite reductase gene sequence**

Zhigang Tang, Wenshu Zhang, Yalun Hu, Xiaodan Jia, Lina Meng, Dan Wang,\* Lijuan Chen\* and Junwei Zhao\*

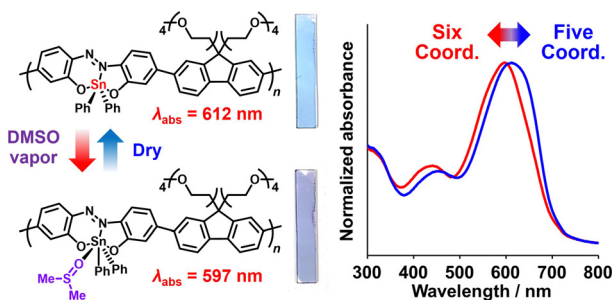
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Dong Shi, Yajun Ji,\* Faxue Lu, Junnan Yao and Lijun Pei

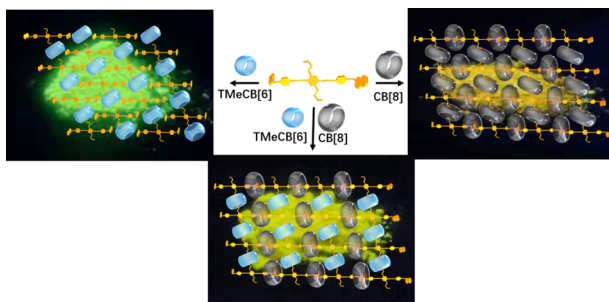
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**Vapochromic films of  $\pi$ -conjugated polymers based on coordination and desorption at hypervalent tin(IV)-fused azobenzene compounds**

Masayuki Gon, Yusuke Morisaki, Kazuya Tanimura, Kazuo Tanaka\* and Yoshiki Chujo

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Shuai-Peng Jin, Huai-Li Wu, Le-Ping Zhang, Guan-Yu Yang and Bo Yang\*

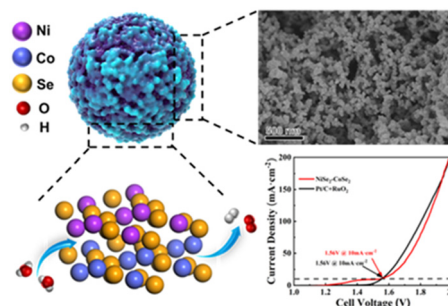


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**Bimetallic Ni–Co selenide heterostructure aerogel for highly efficient overall water splitting**

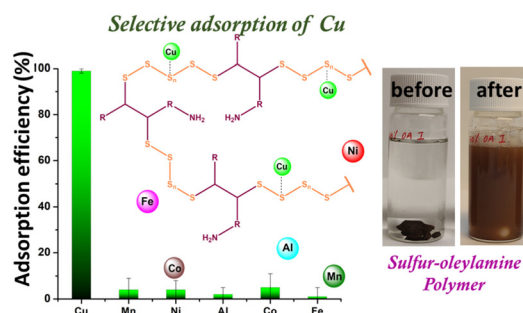
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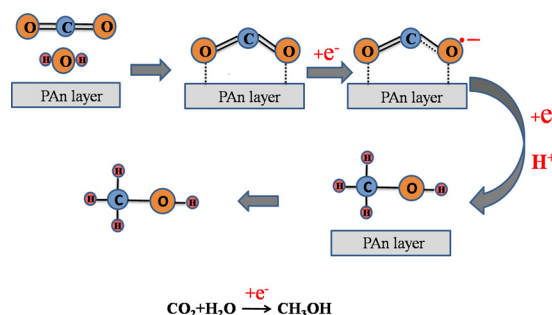
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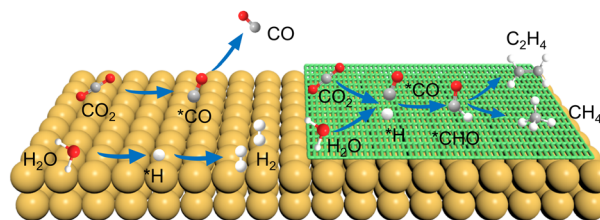
Shaolin Mu,\* Qiaofang Shi, Chong Chen, Xiangxiang Gong and Huaiguo Xue



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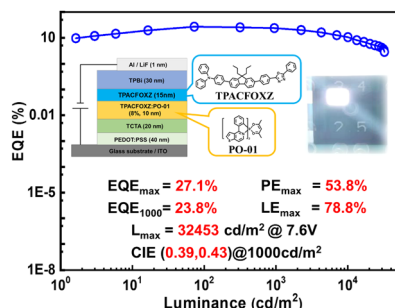
**Steering CO<sub>2</sub> electroreduction selectivity towards CH<sub>4</sub> and C<sub>2</sub>H<sub>4</sub> on a tannic acid-modified Cu electrode**

Keqiang Xu, Jinhan Li, Fangming Liu, Wence Xu, Tete Zhao and Fangyi Cheng\*



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Tengyue Li, Shian Ying, Huayi Zhou, Runze Wang, Chenglin Ma, Mizhen Sun, Mingliang Xie, Qikun Sun, Wenjun Yang and Shanfeng Xue\*

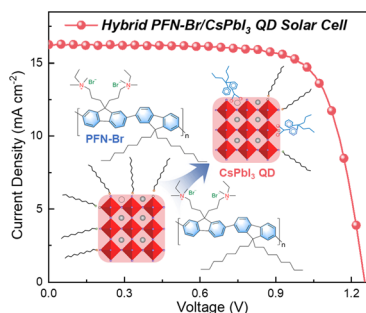
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Shixiong Zhai, Zhendong Jin, Chengcheng Li, JiaFeng Sun, Hong Zhao, Zehai Jin, Zaisheng Cai and Yaping Zhao\*

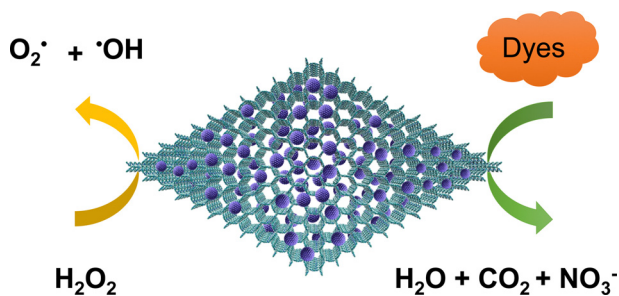
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Hehe Huang, Xuliang Zhang, Chenyu Zhao and Jianyu Yuan\*

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### An FeS<sub>x</sub> doped three-dimensional covalent organic framework for degradation of dyes

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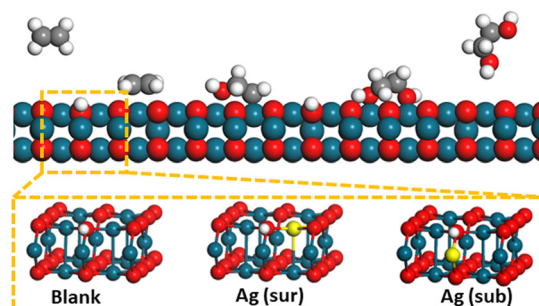


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