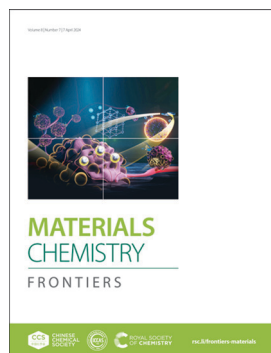


### IN THIS ISSUE

ISSN 2052-1537 CODEN MCFAC5 8(7) 1679-1854 (2024)



#### Cover

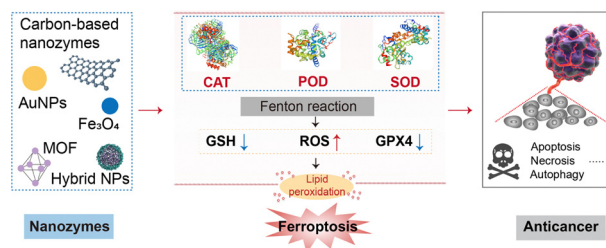
See Min Sun, Bo Jia, Jianzhong Du *et al.*, pp. 1685-1702. Image reproduced by permission of Jianzhong Du from *Mater. Chem. Front.*, 2024, 8, 1685.

### REVIEWS

1685

#### Nanozyme-enhanced ferroptosis for cancer treatment

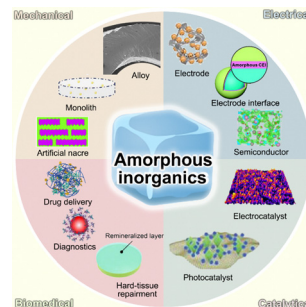
Yue Ming, Mingshu Huang, Yisheng Huang, Danqing Liu, Min Sun,\* Bo Jia\* and Jianzhong Du\*



1703

#### Applications of amorphous inorganics as novel functional materials

Zhengxi Guo, Zhaoming Liu\* and Ruikang Tang\*



# Environmental Science: Atmospheres

GOLD  
OPEN  
ACCESS

## Connecting communities and inspiring new ideas



Open Access Article. Published on 25 March 2024. Downloaded on 6/18/2026 7:10:27 PM.  
This article is licensed under a Creative Commons Attribution 3.0 Unported Licence.

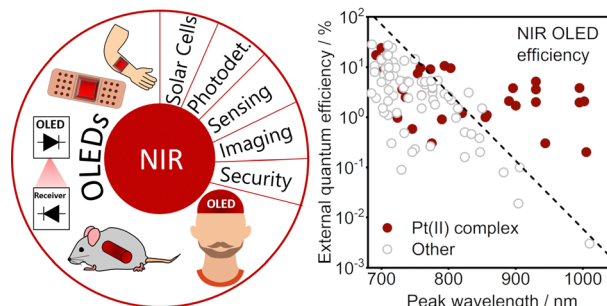
[rsc.li/submittoEA](https://rsc.li/submittoEA)

Fundamental questions  
Elemental answers

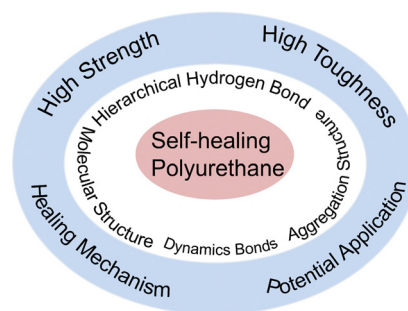


## REVIEWS

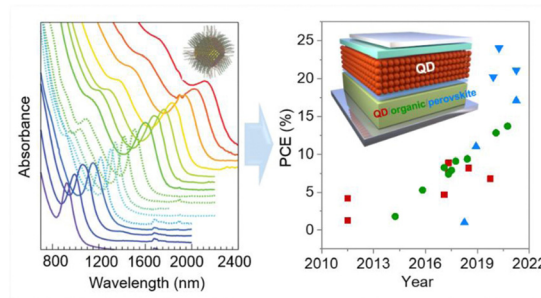
1731

**Recent advances in highly-efficient near infrared OLED emitters**Paloma L. dos Santos,\* Patrycja Stachelek,\*  
Youhei Takeda\* and Piotr Pander\*

1767

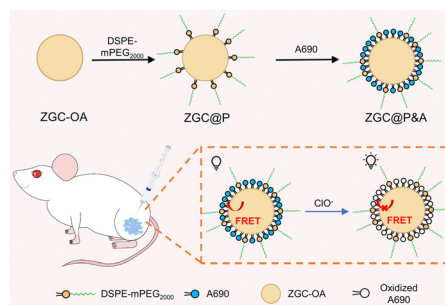
**Toward mechanically robust self-healing polyurethanes using dynamics chemistry**Yan-Long Luo, Wen-Tong Gao, Zhen-Yang Luo and  
Cheng-Hui Li\*

1792

**Tandem solar cells based on quantum dots**Juncheng Zhu, Kunyuan Lu, Jing Li, Zeke Liu\* and  
Wanli Ma

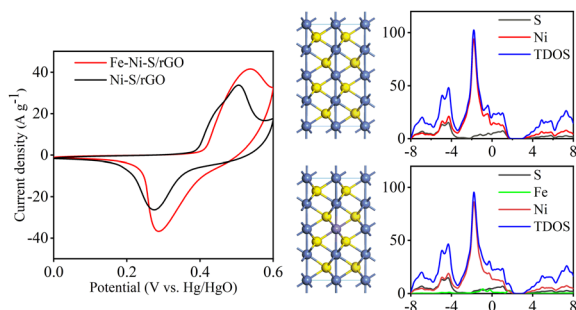
## RESEARCH ARTICLES

1808

**A hypochlorite-activatable persistent luminescence nanoprobe for assisted tumor resection**Zhouyu Zhang, Zi-Jin Wei, Mengjie Sun, Zichao Yan,  
Chang Yin, Wei Wang\* and Zhi Yuan\*

## RESEARCH ARTICLES

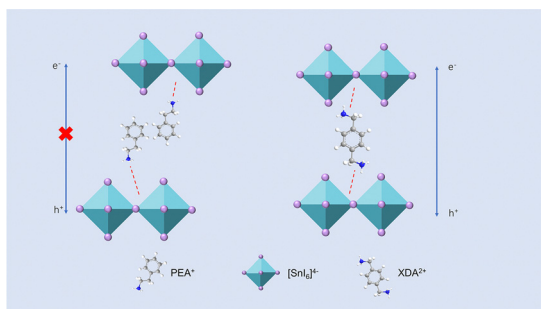
1816



### Iron-doped nickel sulfide nanospheres anchored on reduced graphene oxide for high performance supercapacitors

Xiangqun Zeng, Mengyuan Yang, Jie Zhao,\* Jiao-Jing Shao\* and Zhao Ding

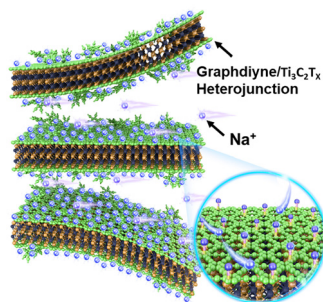
1827



### Efficient quasi-2D tin perovskite solar cells based on mixed monoammonium and diammonium terminal molecules

Zihao Zang, Mingyu Ma, Xianyuan Jiang, Wenjia Zhou, Chaowaphat Seriwattanachai, Pongsakorn Kanjanaboos and Zhijun Ning\*

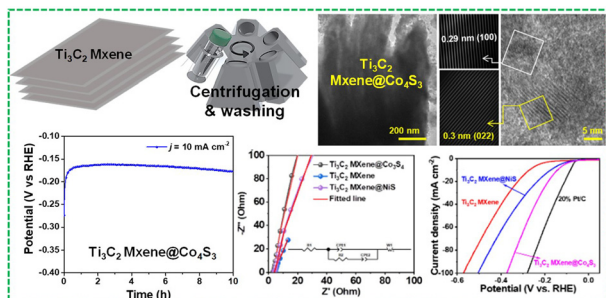
1835



### Controlled growth of a 2D/2D heterojunction for high-performance sodium ion storage

Shujin Cheng, Zicheng Zuo\* and Yuliang Li\*

1844



### MXene composite with Ni/Co sulfide for enhanced hydrogen evolution reaction

Mohit Kumar, Bhimanaboina Ramulu and Jae Su Yu\*

