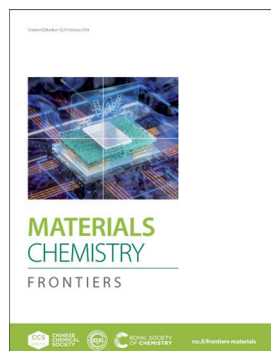


### IN THIS ISSUE

ISSN 2052-1537 CODEN MCFAC5 8(4) 861-1144 (2024)



#### Cover

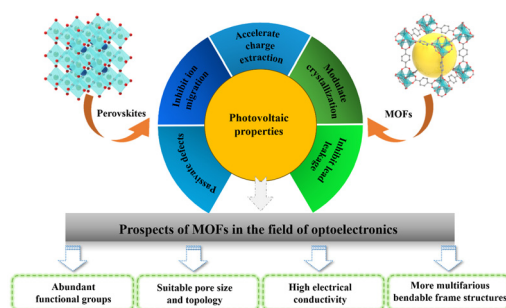
See Yang Wang *et al.*, pp. 1101–1111. Image reproduced by permission of Yang Wang from *Mater. Chem. Front.*, 2024, 8, 1101.

### REVIEWS

869

#### Applications of multifunctional metal–organic frameworks in perovskite photovoltaics: roles, advantages and prospects

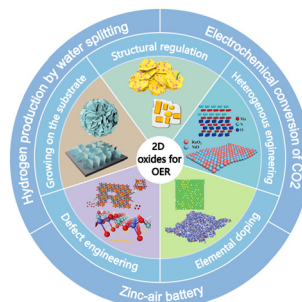
Ming-Wu Liu, Gengling Liu, Yu-Fen Wang,\* Bing-Xin Lei\* and Wu-Qiang Wu\*



880

#### Two dimensional oxides for oxygen evolution reactions and related device applications

Ying Li, Yonggui Deng, Dongqing Liu, Qianqian Ji\* and Xingke Cai\*



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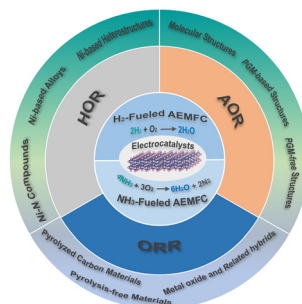
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## REVIEWS

903

### Recent advances in metal-based electrocatalysts: from fundamentals and structural regulations to applications in anion-exchange membrane fuel cells

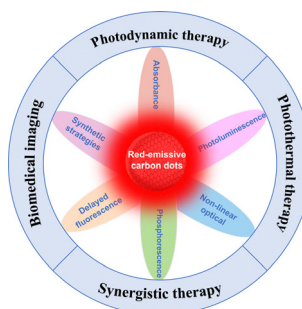
Ali Han and Gang Liu\*



930

### Recent advances in red-emissive carbon dots and their biomedical applications

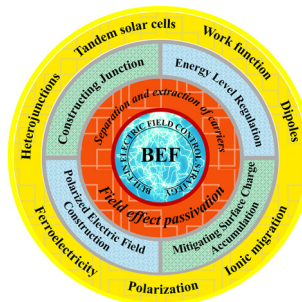
Weixia Qin, Meiyan Wang, Yan Li, Longchuang Li, Khurram Abbas, Zijian Li, Antonio Claudio Tedesco and Hong Bi\*



956

### Reinforcing built-in electric field to enable efficient carrier extraction for high-performance perovskite solar cells

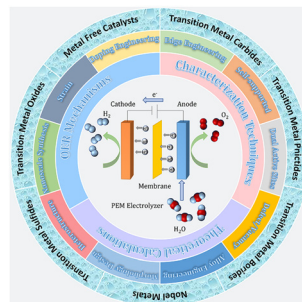
Jiahui Cheng, Huijie Cao, Shuming Zhang, Fang Yue\* and Zhongmin Zhou\*

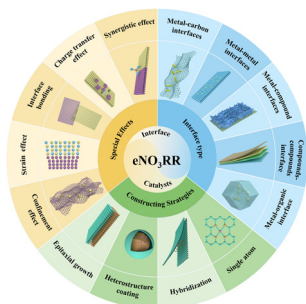


986

### Recent progress and perspective for oxygen evolution reaction under acidic environments

Lianhua Chen, Yuting Liu, Hang Cong, Qingmei Ge, Wenfeng Zhao, Nan Jiang\* and Qian Zhang\*

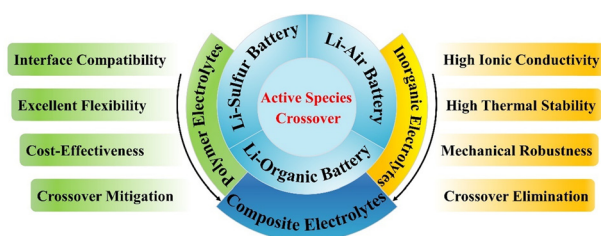




Lin Gu, Hongxia Luo, Yingbing Zhang, Yuting Cong,  
Min Kuang\* and Jianping Yang\*

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Min Kuang\* and Jianping Yang\*

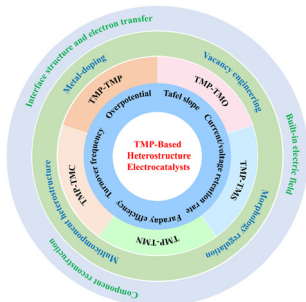
1036



Chaoqiang Tan, Ziren Long, Shichao Zhang, Wei Zhong,  
Hao Cheng and Yingying Lu\*

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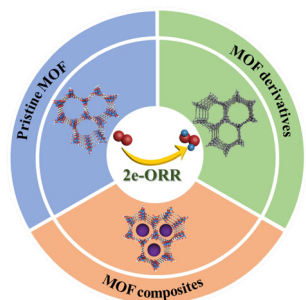
1064



Wangzhi Wu, Shuiping Luo, Yujin Huang, Huibing He,  
Pei Kang Shen and Jinliang Zhu\*

Wangzhi Wu, Shuiping Luo, Yujin Huang, Huibing He,  
Pei Kang Shen and Jinliang Zhu\*

1084



Xinchan Zhang, Chaoqi Zhang, Chengzhong Yu\* and  
Chao Liu\*

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Chao Liu\*

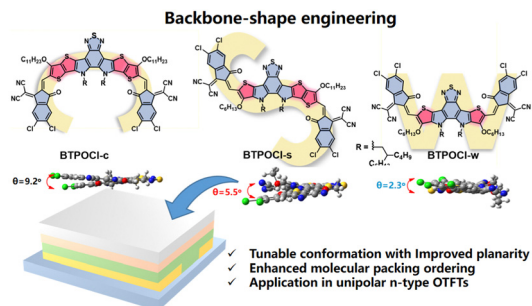


## RESEARCH ARTICLES

1101

### Backbone-shape engineering of fused-ring electron-deficient molecular semiconductors for unipolar n-type organic transistors: synthesis, conformation changes, and structure–property correlations

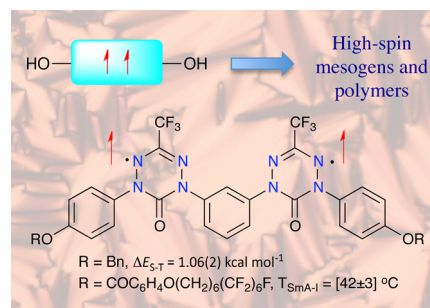
Zekun Chen, Zeng Wu, Yuzhong Chen, Shuixin Zhang, Zhen Jiang, Wenhao Li, Yan Zhao, Yang Wang\* and Yunqi Liu



1112

### Mesogenic behavior of a 6-oxoverdazyl diradical: towards organic high-spin liquid crystals

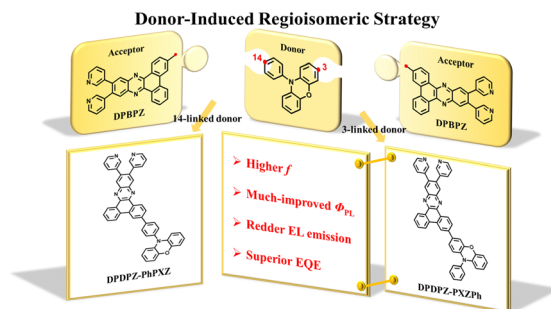
Szymon Kapuściński, Jacek Szczytko, Damian Pociecha and Piotr Kaszyński\*



1120

### Multiplying the electroluminescence efficiencies of red TADF emitters via a regioisomeric approach of the donor unit

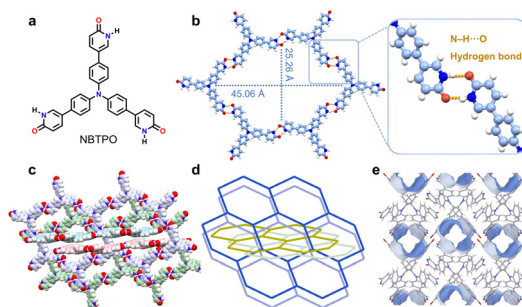
Xi Zhang, Hui Wang, Jia-Xiong Chen, Lu Zhou, Xiao-Yao Hao, Jia Yu, Kai Wang\* and Xiao-Hong Zhang\*

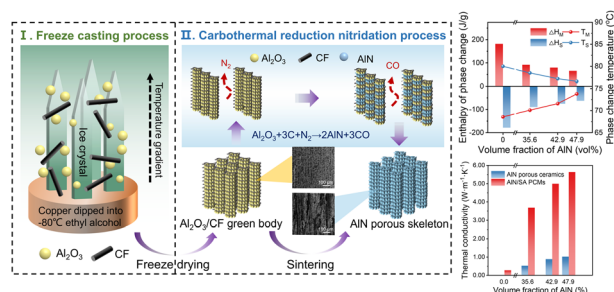


1128

### A stable pyridone-based hydrogen-bonded organic framework for electrochemical detection of dopamine

Yong-Min Liu, Bai-Tong Liu,\* Yu-Lin Li, Jin-Lin Li, Tian-Fu Liu and Lei Cai\*





## *In situ* construction of vertically aligned AlN skeletons for enhancing the thermal conductivity of stearic acid-based phase-change composites

Chang Yu, Pan Yang, Baokai Wang, Mengyi Li, Mengyang Niu, Kunjie Yuan, Weiwei Xuan, Qipeng Lu, Wenbin Cao and Qi Wang\*

