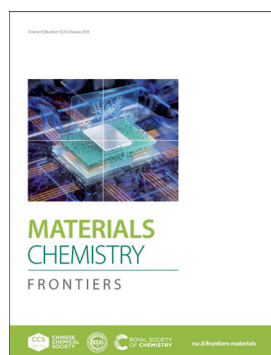


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Cover

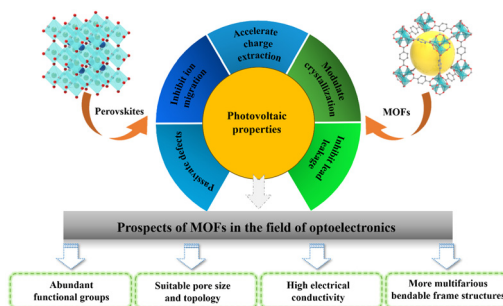
See Yang Wang *et al.*, pp. 1101–1111. Image reproduced by permission of Yang Wang from *Mater. Chem. Front.*, 2024, 8, 1101.

REVIEWS

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

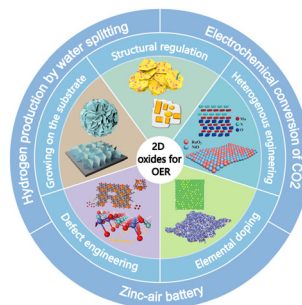
Ming-Wu Liu, Gengling Liu, Yu-Fen Wang,* Bing-Xin Lei* and Wu-Qiang Wu*



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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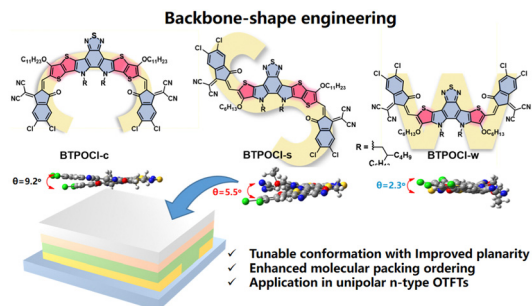
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RESEARCH ARTICLES

1101

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

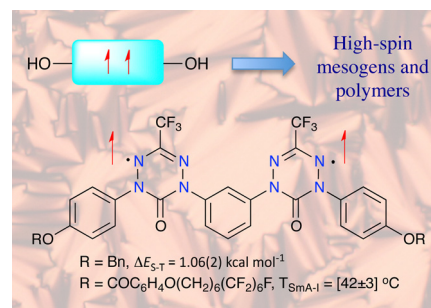
Zekun Chen, Zeng Wu, Yuzhong Chen, Shuixin Zhang, Zhen Jiang, Wenhao Li, Yan Zhao, Yang Wang* and Yunqi Liu



1112

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

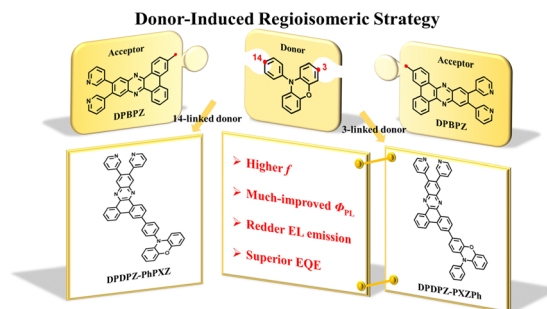
Szymon Kapuściński, Jacek Szczytko, Damian Pociecha and Piotr Kaszyński*



1120

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

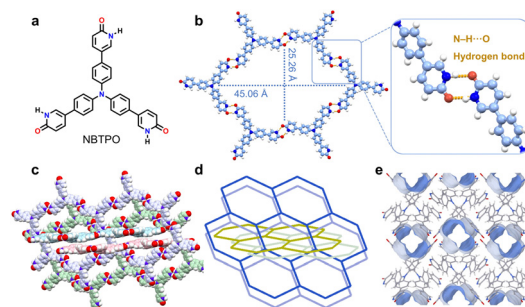
Xi Zhang, Hui Wang, Jia-Xiong Chen, Lu Zhou, Xiao-Yao Hao, Jia Yu, Kai Wang* and Xiao-Hong Zhang*

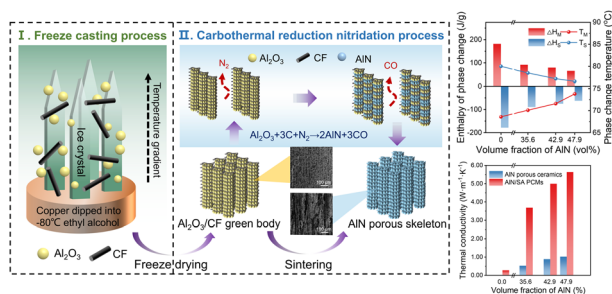


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A stable pyridone-based hydrogen-bonded organic framework for electrochemical detection of dopamine

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*

