

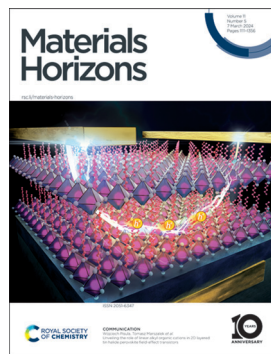
Materials Horizons

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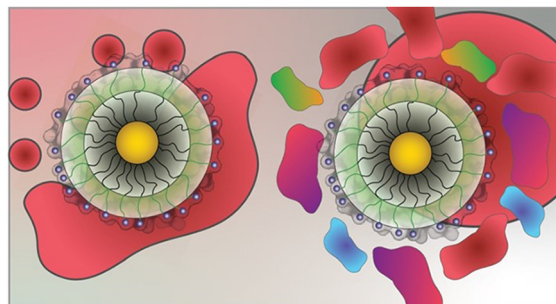
See Wojciech Pisula, Tomasz Marszalek *et al.*, pp. 1177–1187. Image reproduced by permission of Max Planck Institute for Polymer Research from *Mater. Horiz.*, 2024, 11, 1177.

COMMENTARY

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A reflection on 'Protein coronas suppress the hemolytic activity of hydrophilic and hydrophobic nanoparticles'

Cristina-Maria Hirschbiegel, Mingdi Jiang, Jungmi Park and Vincent M. Rotello*

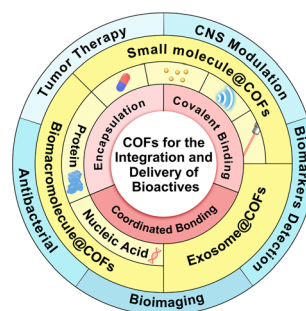


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Strategies for utilizing covalent organic frameworks as host materials for the integration and delivery of bioactives

Lulu He, Le Wang, Zhen He, Cheng Heng Pang,* Bencan Tang,* Aiguo Wu* and Juan Li*



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REVIEWS

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Solid-state, liquid-free ion-conducting elastomers: rising-star platforms for flexible intelligent devices

Hao-Nan Li, Chao Zhang,* Hao-Cheng Yang, Hong-Qing Liang, Zuankai Wang* and Zhi-Kang Xu*

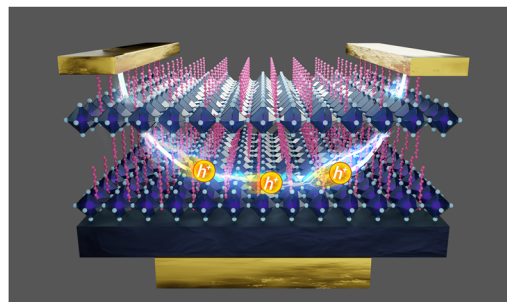


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Unveiling the role of linear alkyl organic cations in 2D layered tin halide perovskite field-effect transistors

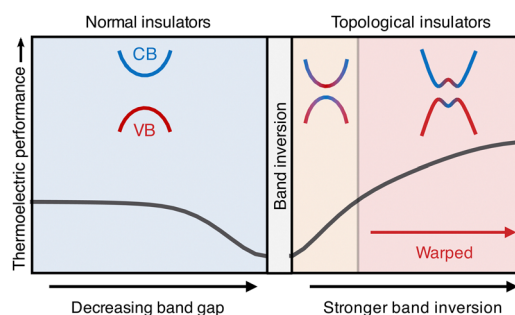
Shuanglong Wang, Shankeerthan Kalyanasundaram, Lei Gao, Zhitian Ling, Zhiwen Zhou, Mischa Bonn, Paul W. M. Blom, Hai I. Wang, Wojciech Pisula* and Tomasz Marszalek*



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Are topological insulators promising thermoelectrics?

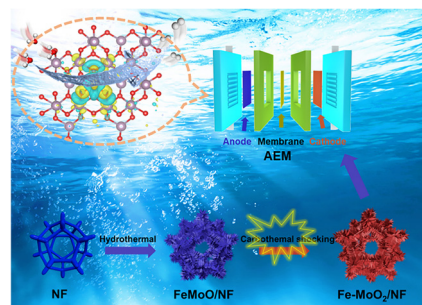
Michael Y. Toriyama* and G. Jeffrey Snyder*



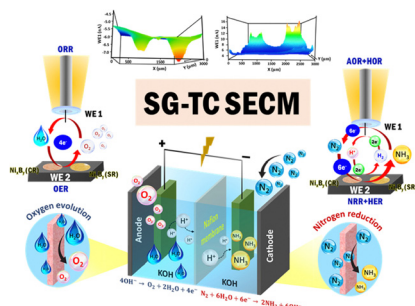
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Rapid carbothermal shocking fabrication of iron-incorporated molybdenum oxide with heterogeneous spin states for enhanced overall water/seawater splitting

Jianpeng Sun, Shiyu Qin, Zhan Zhao, Zisheng Zhang and Xiangchao Meng*



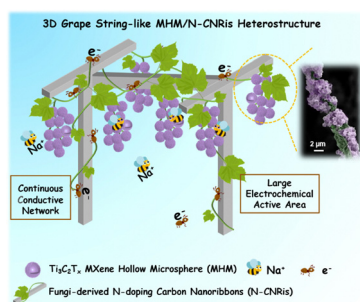
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Real-time screening of Ni_xB_y bifunctional electrocatalysts for overall NH_3 synthesis via SG-TC SECM

Divyani Gupta, Alankar Kafle, Man Singh, Sameer Kumar and Tharamani C. Nagaiah*

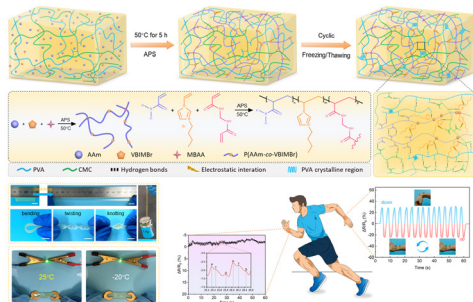
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3D grape string-like heterostructures enable high-efficiency sodium ion capture in $Ti_3C_2T_x$ MXene/fungi-derived carbon nanoribbon hybrids

Ningning Liu, Jianhua Yuan, Xiaochen Zhang, Yifan Ren, Fei Yu and Jie Ma*

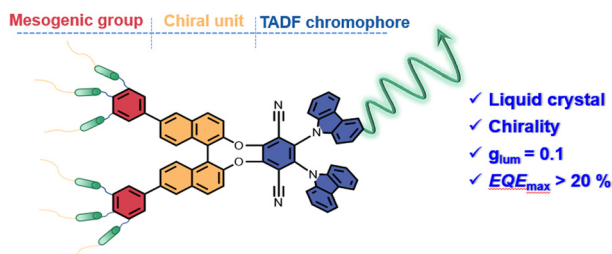
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Cold-resistant, highly stretchable ionic conductive hydrogels for intelligent motion recognition in winter sports

Tongda Lei, Jiajun Pan, Ning Wang, Zhaopeng Xia,* Qingsong Zhang,* Jie Fan,* Lei Tao, Wan Shou and Yu Gao

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Liquid-crystalline circularly polarised TADF emitters for high-efficiency, solution-processable organic light-emitting diodes

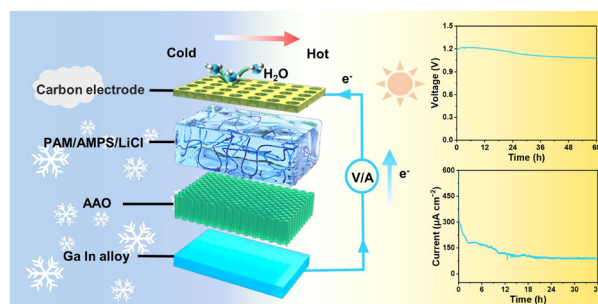
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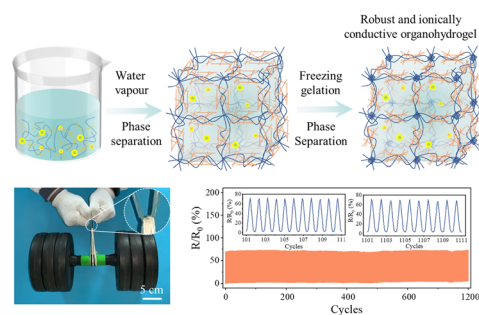
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Water vapor assisted aramid nanofiber reinforcement for strong, tough and ionically conductive organohydrogels as high-performance strain sensors

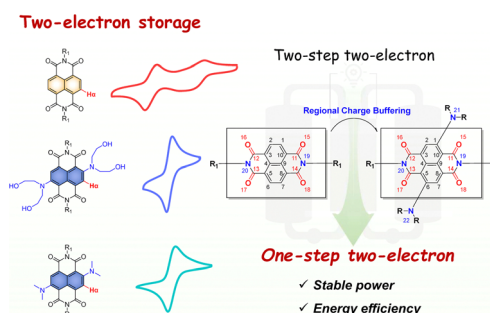
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Realizing one-step two-electron transfer of naphthalene diimides via a regional charge buffering strategy for aqueous organic redox flow batteries

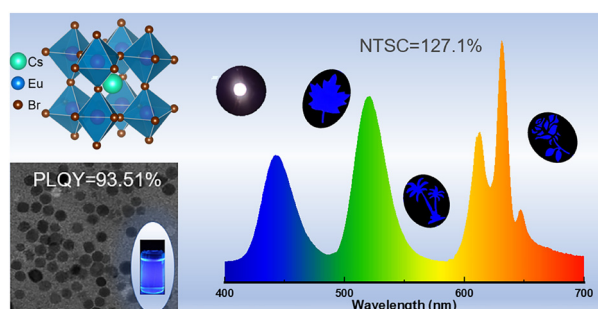
Zengrong Wang, Xu Liu, Xuri Zhang, Heng Zhang, Yujie Zhao, Yawen Li, Haiyan Yu and Gang He*



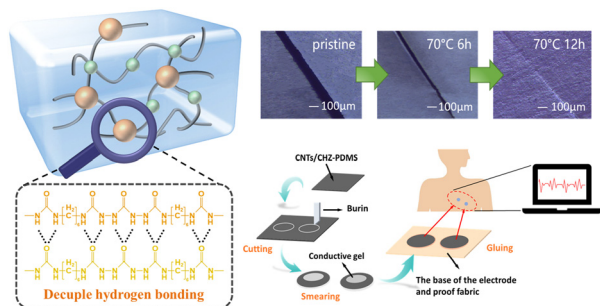
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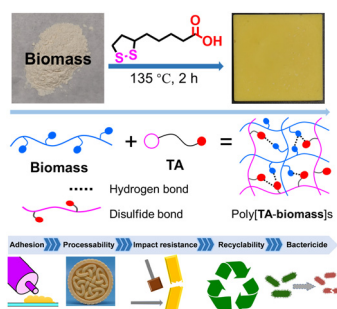
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High-toughness, extensile and self-healing PDMS elastomers constructed by decouple hydrogen bonding

Jing-Han Gao, Baoquan Wan, Ming-Sheng Zheng, Longbo Luo,* Hongkuan Zhang, Quan-Liang Zhao,* George Chen and Jun-Wei Zha*

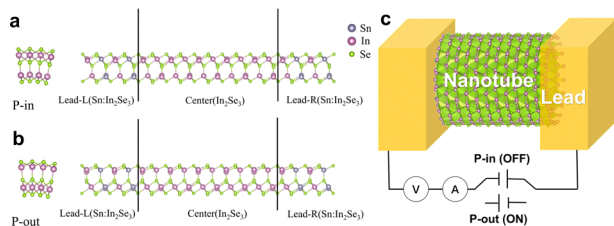
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A supramolecular approach for converting renewable biomass into functional materials

Yunfei Zhang, Changyong Cai, Ke Xu, Xiao Yang, Leixiao Yu,* Lingyan Gao* and Shengyi Dong*

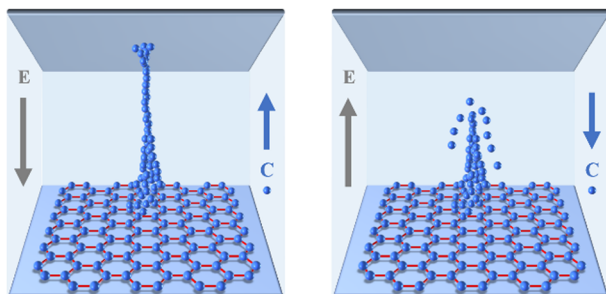
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Nanotube ferroelectric tunnel junctions with an ultrahigh tunneling electroresistance ratio

Jiu-Long Wang, Yi-Feng Zhao, Wen Xu, Jun-Ding Zheng, Ya-Ping Shao, Wen-Yi Tong* and Chun-Gang Duan*

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