

Materials Horizons

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See Peihong Wang, Li Zheng, Zhong Lin Wang *et al.*, pp. 1414–1425.
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EDITORIAL

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Materials Horizons Emerging Investigator Series:
Associate Professor Dr Xuhui Zhang, Jiangnan University, China

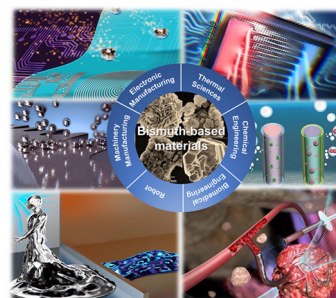


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Bismuth-based liquid metals: advances, applications, and prospects

Xilong Zhang, Jing Liu* and Zhongshan Deng*



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Fundamental questions
Elemental answers

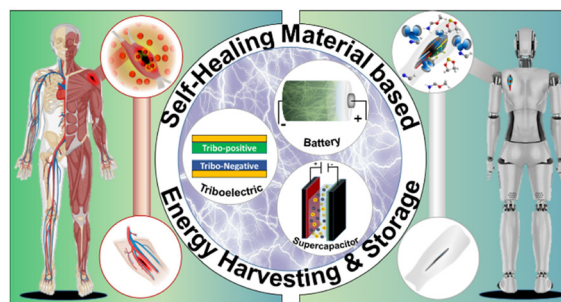


REVIEWS

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Recent progress in self-healable energy harvesting and storage devices – a future direction for reliable and safe electronics

Jayashree Chandrasekar, Manikandan Venkatesan, Ting-Wang Sun, Yung-Chi Hsu, Yu-Hang Huang, Wei-Wen Chen, Mei-Hsin Chen, Meng-Lin Tsai, Jung-Yao Chen, Ja-Hon Lin,* Ye Zhou* and Chi-Ching Kuo*

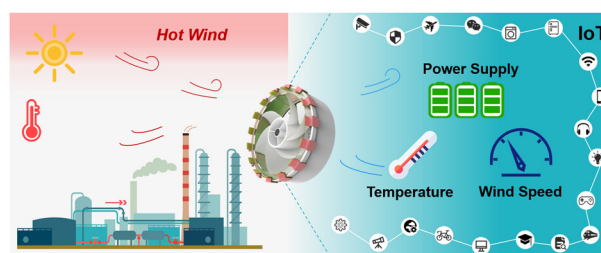


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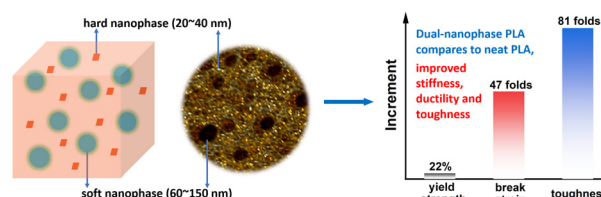
Lin Fang, Chen Chen, Haonan Zhang, Xinbo Tu, Zixun Wang, Wen He, Shengnan Shen, Mingzai Wu, Peihong Wang,* Li Zheng* and Zhong Lin Wang*



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Soft–hard dual nanophases: a facile strategy for polymer strengthening and toughening

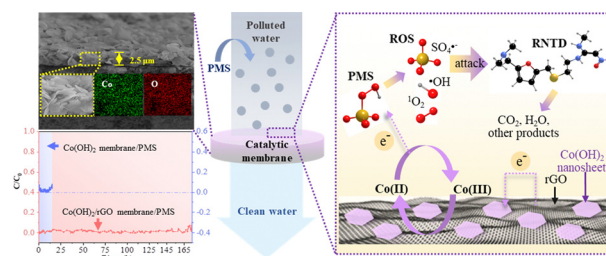
Guangyao Ji, Mingyu Sang, Xuhui Zhang,* Jing Huang, Ting Li, Yang Wang, Shibo Wang and Weifu Dong*



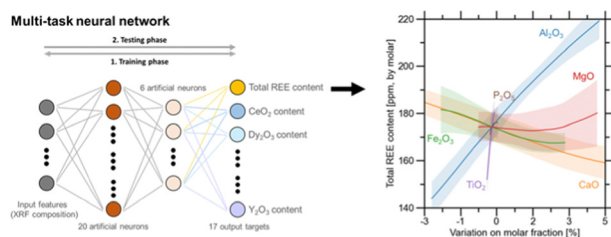
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A two dimensional Co(OH)₂ catalytic gravity-driven membrane for water purification: a green and facile fabrication strategy and excellent water decontamination performance

Xiaoyu Zhao, Mei Long, Zhixing Li and Zhenghua Zhang*



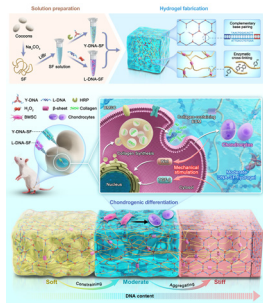
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Predicting rare earth elements concentration in coal ashes with multi-task neural networks

Yu Song,* Yifan Zhao, Alex Ginella, Benjamin Gallagher, Gaurav Sant and Mathieu Bauchy*

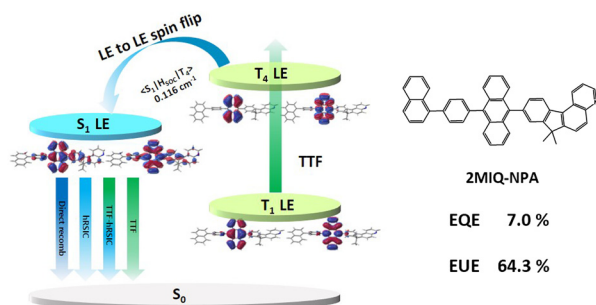
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Dual-network DNA–silk fibroin hydrogels with controllable surface rigidity for regulating chondrogenic differentiation

Ziyang Zhou, Peiran Song, Yan Wu, Miaomiao Wang, Congyi Shen, Zhixin Ma, Xiaoxiang Ren, Xiuhui Wang, Xiao Chen, Yan Hu, Zuhao Li, Qin Zhang,* Mengmeng Li,* Zhen Geng* and Jiacan Su*

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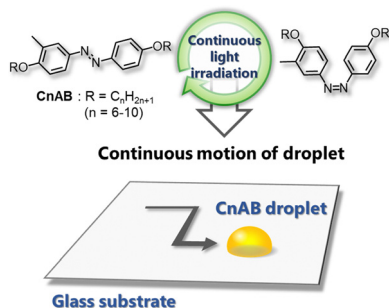


Photo-controllable azobenzene microdroplets on an open surface and their application as transporters

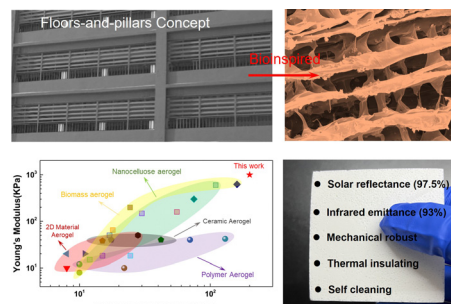
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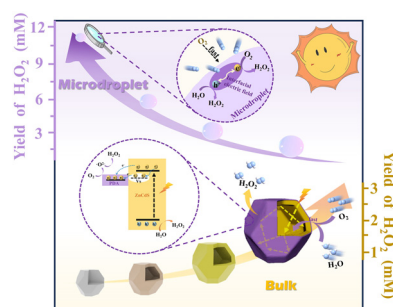
Chenyang Cai,* Yi Chen, Chunxiang Ding, Zechang Wei and Xuan Wang*



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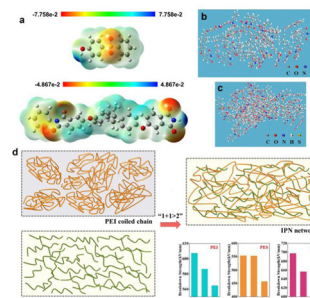
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Achieving synergistic improvement in dielectric and energy storage properties at high-temperature of all-organic composites via physical electrostatic effect

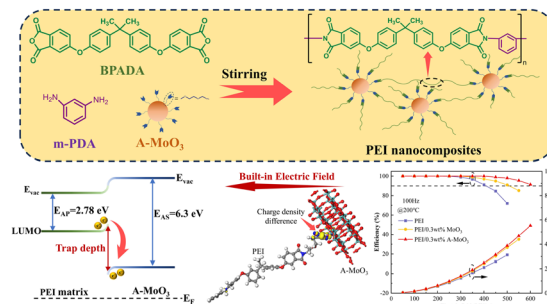
Yanan Shang, Yu Feng,* Zhaotong Meng, Changhai Zhang, Tiandong Zhang and Qingguo Chi*



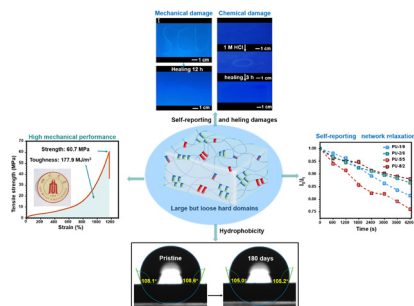
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Improved capacitive energy storage performance in hybrid films with ultralow aminated molybdenum trioxide integration for high-temperature applications

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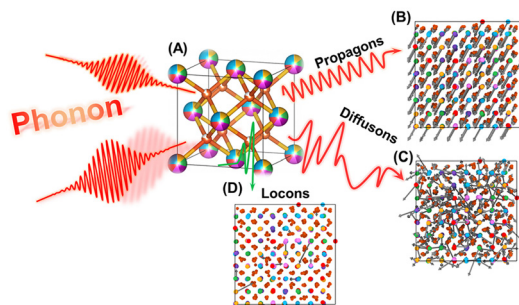
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Flexible, transparent, and sustainable cellulose-based films for organic solar cell substrates

Lewen Huang, Yibao Li, Zhong Zheng, Yun Bai, Thomas P. Russell* and Changfei He*

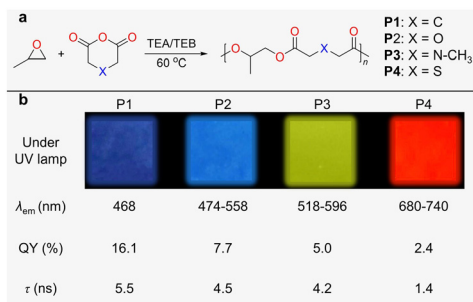
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Haocheng Fu, Bin Wang,* Jinpeng Li, Daxian Cao, Wei Zhang,* Jun Xu, Jun Li, Jinsong Zeng, Wenhua Gao and Kefu Chen

