

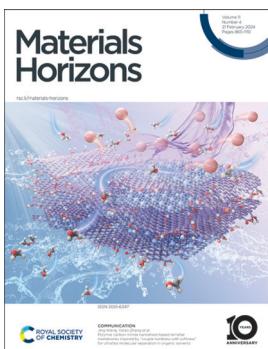
Materials Horizons

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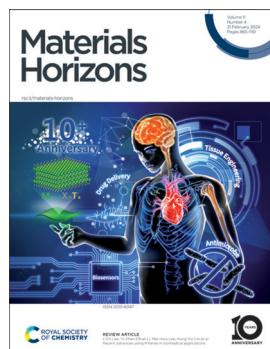
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Materials Horizons Emerging Investigator Series:
Professor Dr Hai-Bo Zhao, National Engineering
Laboratory for Eco-Friendly Polymer Materials
(Sichuan), College of Chemistry, Sichuan University

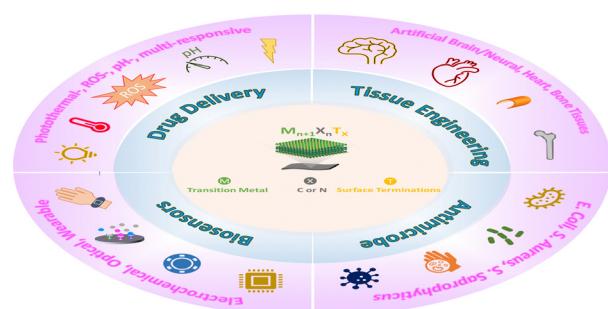


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Recent advances using MXenes in biomedical applications

I-Chi Lee,* Yi-Chen Ethan Li,* James L. Thomas,
Mei-Hwa Lee* and Hung-Yin Lin*





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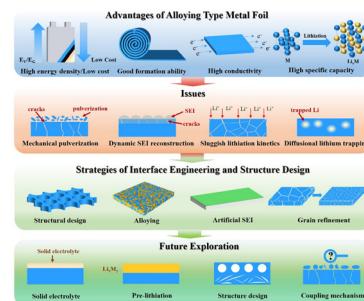


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The interface engineering and structure design of an alloying-type metal foil anode for lithium ion batteries: a review

Rui Wang, Song Sun, Chunyi Xu, Jiazen Cai, Huiyang Gou, Xin Zhang* and Gongkai Wang*

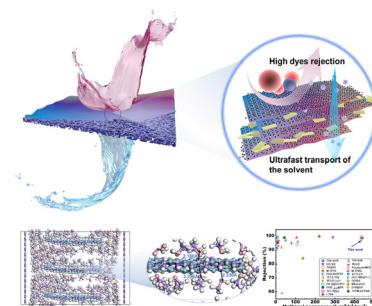


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Polymer carbon nitride nanosheet-based lamellar membranes inspired by “couple hardness with softness” for ultrafast molecular separation in organic solvents

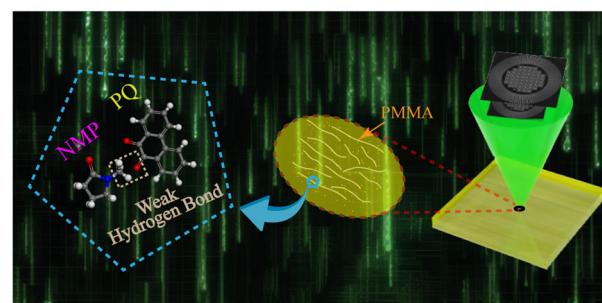
Zhipeng Yan, Liuqian Zhang, Yudong Sang, Dongyang Li, Jingtao Wang, Jing Wang* and Yatao Zhang*



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Highly sensitive and repeatable recording photopolymer for holographic data storage containing *N*-methylpyrrolidone

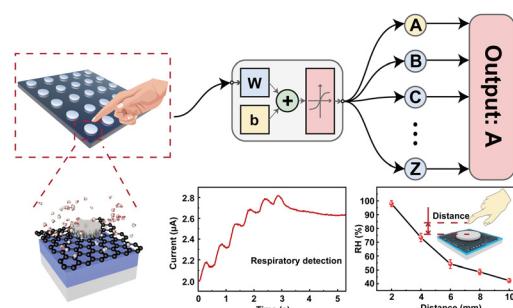
Junchao Jin, Po Hu, Haiyang Song, Jinhong Li, Junhui Wu, Zeyi Zeng, Qingdong Li, Li Wang, Xiao Lin* and Xiaodi Tan*



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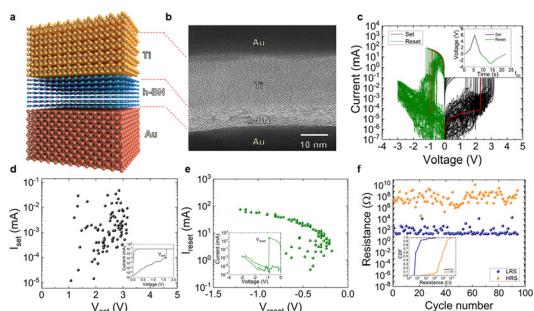
An in-sensor humidity computing system for contactless human-computer interaction

Meng Qi, Runze Xu, Guanglong Ding, Kui Zhou, Shirui Zhu, Yanbing Leng, Tao Sun, Ye Zhou and Su-Ting Han*



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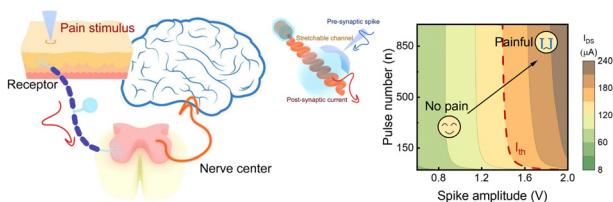
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3D simulation of conductive nanofilaments in multilayer h-BN memristors via a circuit breaker approach

D. Maldonado, A. Cantudo, F. M. Gómez-Campos, Yue Yuan, Yaqing Shen, Wenwen Zheng, M. Lanza* and J. B. Roldán*

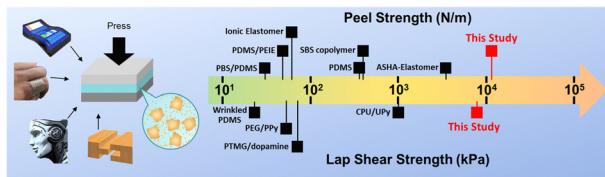
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Yutong Xu, Dapeng Liu, Shilei Dai, Junyao Zhang, Ziyi Guo, Xu Liu, Lize Xiong* and Jia Huang*

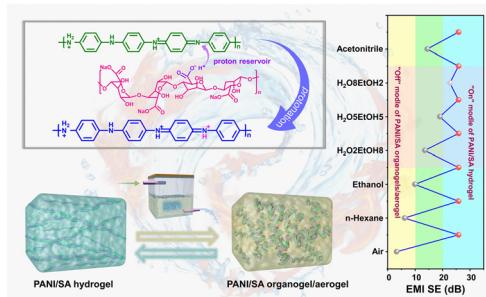
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Controllable proton-reservoir ordered gel towards reversible switching and reliable electromagnetic interference shielding

Yan-Qin Wang, Min Cao, Bo-Wen Liu, Fu-Rong Zeng, Qiang Fu, Hai-Bo Zhao* and Yu-Zhong Wang*

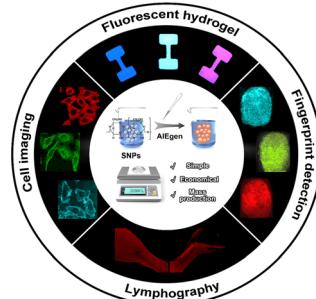


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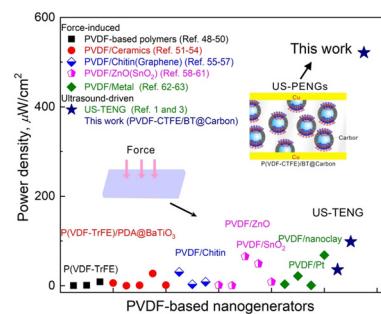
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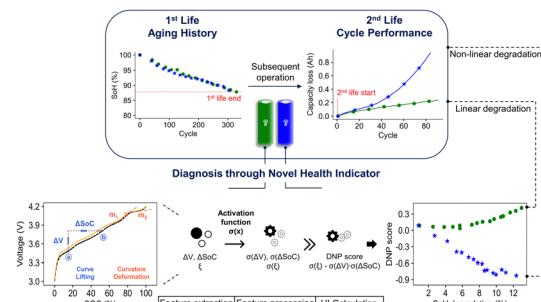
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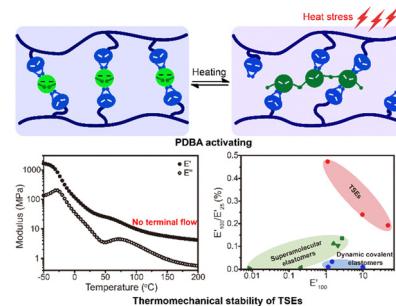
Taeyoung Kim, Soobin Park, JunWoo Bae, DaWoon Jung, Hansu Cheon, Wang-geun Lee* and Yunseok Choi*



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Qi Wu, Hui Liu, Hui Xiong, Yujia Hou, Yan Peng, Lijuan Zhao and Jinrong Wu*



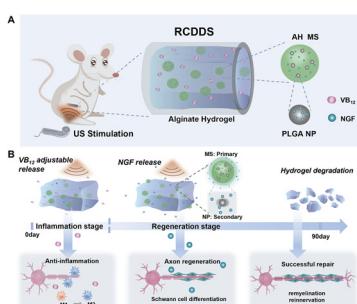
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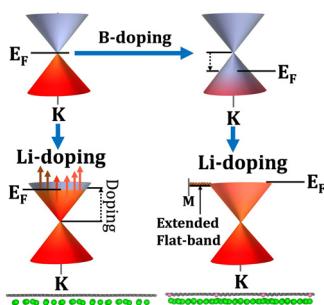
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Linfeng Chen, Han Rou Low, Yan Jiang, Wan Yu Zhang, Chi Kit Ao, Yan Jie Neriah Tan, Kang Hui Lim and Siowling Soh*

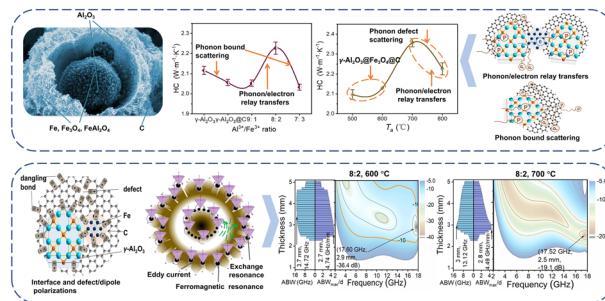


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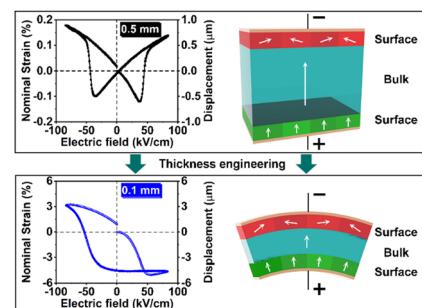
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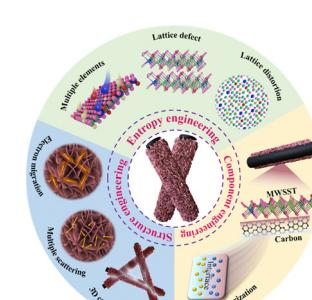
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