

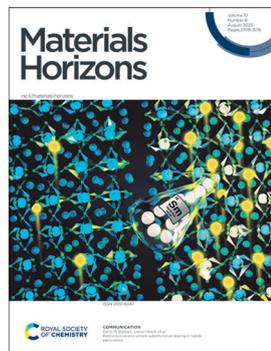
Materials Horizons

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EDITORIALS

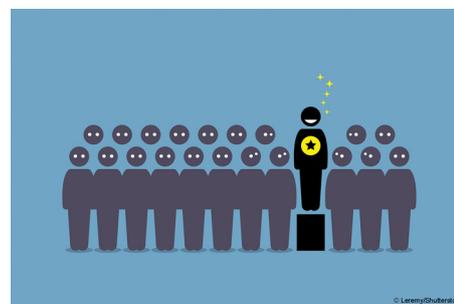
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Materials Horizons Emerging Investigator Series: Professor Derek Ho, City University of Hong Kong, China



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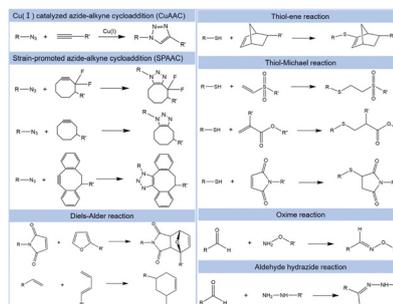


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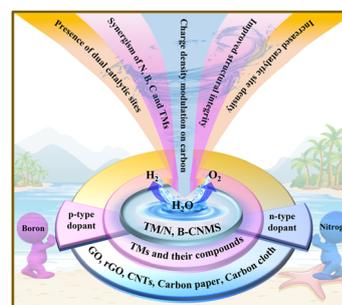
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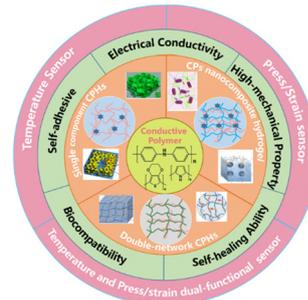
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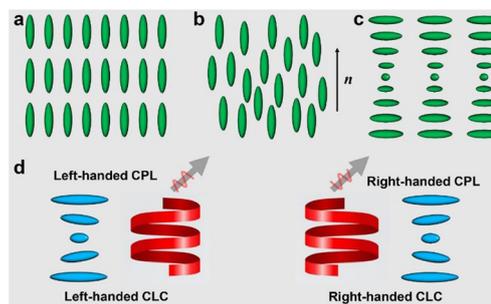
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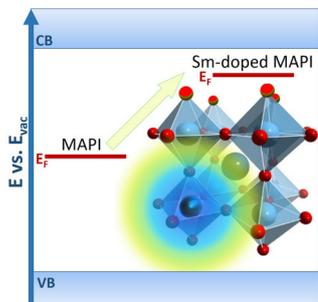
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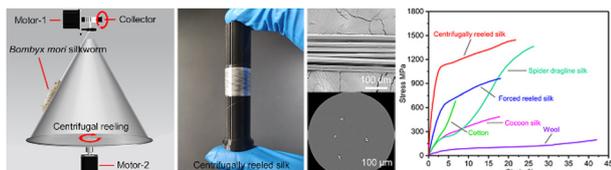
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Redox-active ions unlock substitutional doping in halide perovskites

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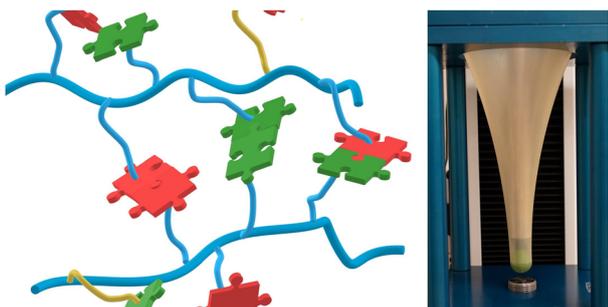
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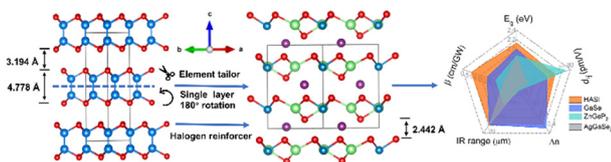
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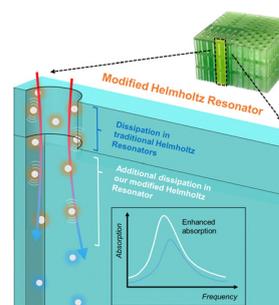
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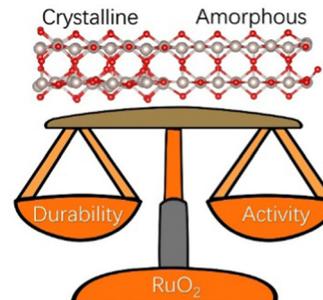
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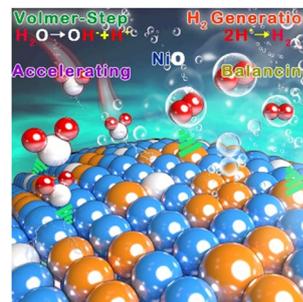
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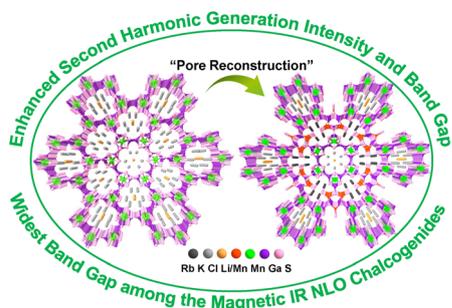
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Fei Guo, Zeyi Zhang, Runzhe Chen, Yangyang Tan, Wei Wu, Zichen Wang, Tang Zeng, Wangbin Zhu, Caixin Lin and Niancai Cheng*



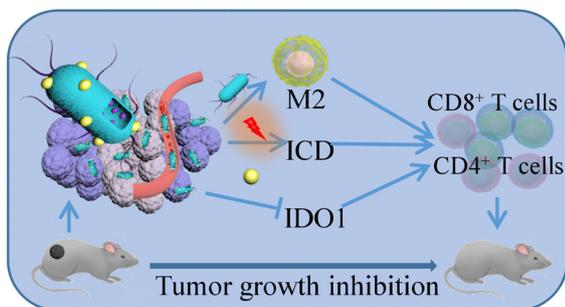
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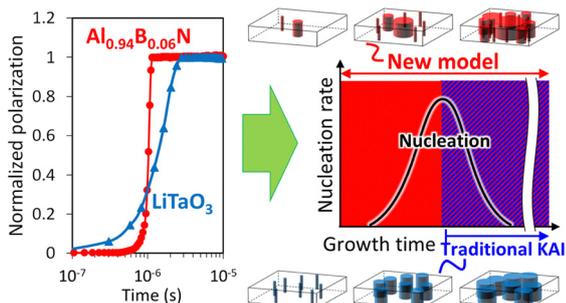
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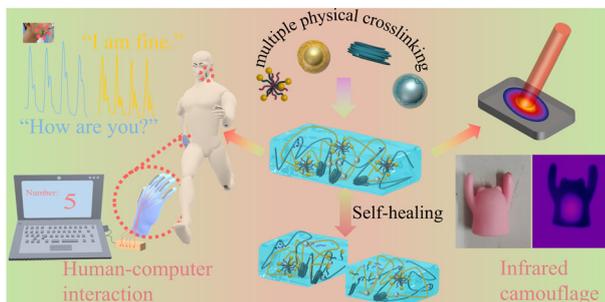
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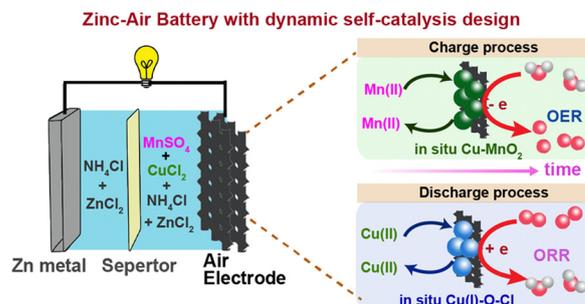


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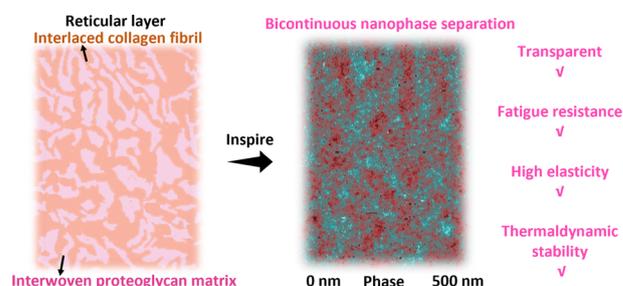
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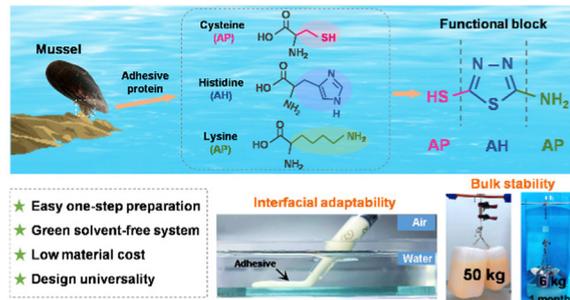
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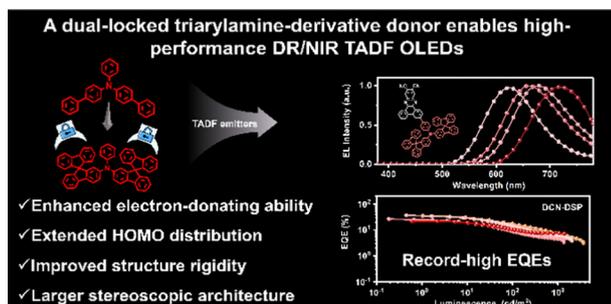
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Particles hindering front propagation in foams



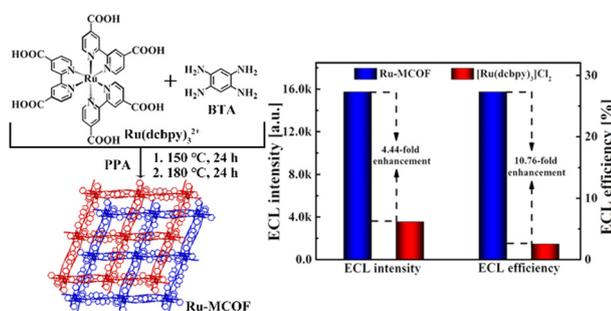
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A dual-locked triarylamine donor enables high-performance deep-red/NIR thermally activated delayed fluorescence organic light-emitting diodes

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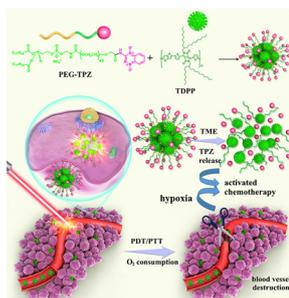
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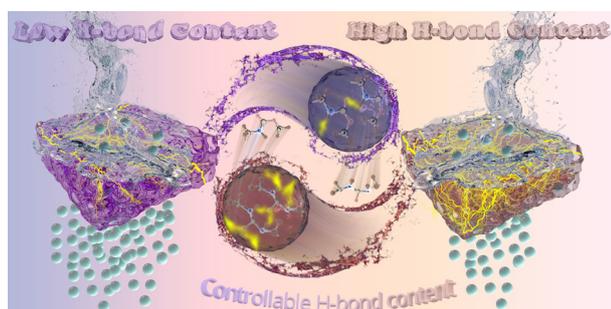
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Tumor-microenvironment-responsive poly-prodrug encapsulated semiconducting polymer nanosystem for phototherapy-boosted chemotherapy

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Controllable hydrogen-bonded poly(dimethylsiloxane) (PDMS) membranes for ultrafast alcohol recovery

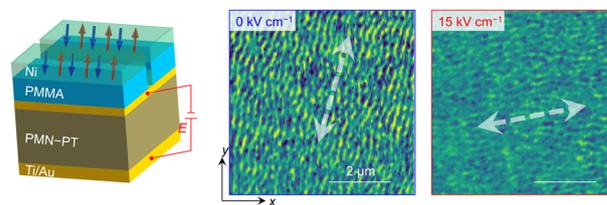
Tengyang Zhu, Jiayu Dong, Huan Liu and Yan Wang*



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Aitian Chen, Hong-Guang Piao,* Chenhui Zhang, Xiao-Ping Ma, Hanin Algaidi, Yinchang Ma, Yan Li, Dongxing Zheng, Ziqiang Qiu and Xi-Xiang Zhang*

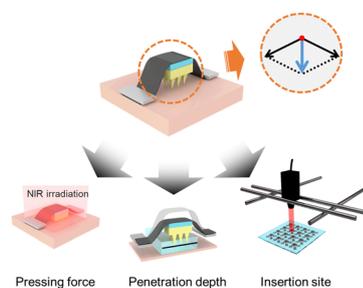


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Microneedle system with light trigger for precise and programmable penetration

Weijiang Yu, Jieze Shen, Chong Ji, Peng Zhang, Hao Chang, Youxiang Wang* and Jian Ji*

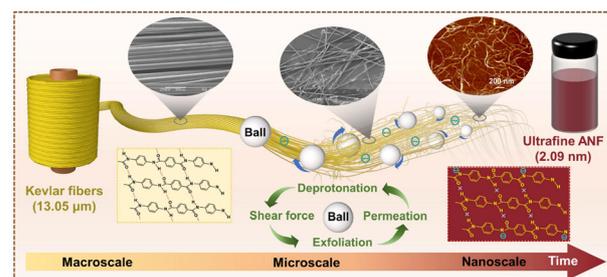
light-triggered microneedle system for controllable insertion



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Ultrafine aramid nanofibers prepared by high-efficiency wet ball-milling-assisted deprotonation for high-performance nanopaper

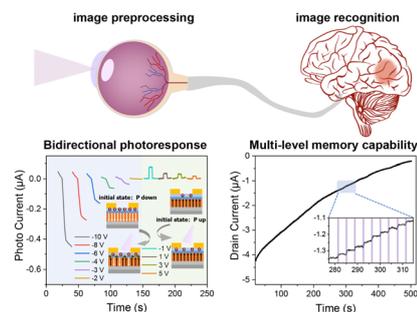
Gaojie Han, Bing Zhou, Zhaoyang Li, Yuezhan Feng,* Chuntai Liu* and Changyu Shen



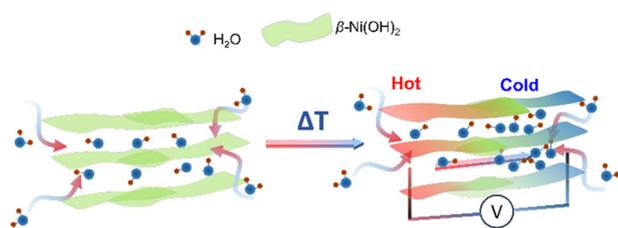
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Integration of image preprocessing and recognition functions in an optoelectronic coupling organic ferroelectric retinomorph neuristor

Qinyong Dai, Mengjiao Pei, Jianhang Guo, Qijing Wang, Ziqian Hao, Hengyuan Wang, Yating Li, Longfei Li, Kuakua Lu, Yang Yan, Yi Shi* and Yun Li*



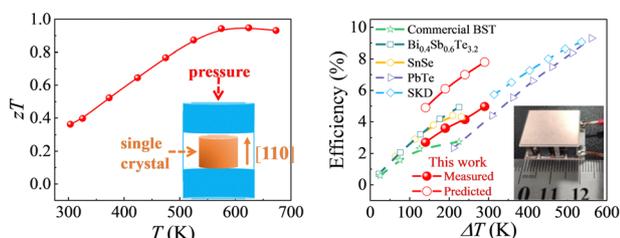
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Application of lamellar nickel hydroxide membrane as a tunable platform for ionic thermoelectric studies

Raktim Gogoi, Arnab Ghosh, Priyamjeet Deka, K. K. R. Datta and Kalyan Raidongia*

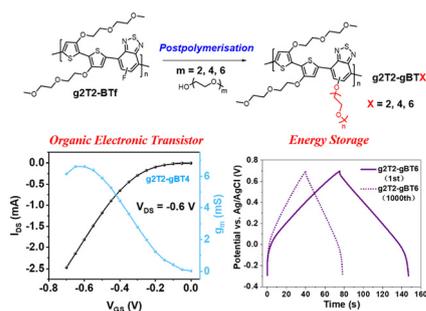
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A boost of thermoelectric generation performance for polycrystalline InTe by texture modulation

Jianghe Feng, Menghui Zhou, Juan Li, Guoying Dong, Shufang Gao,* Erbiao Min, Chuang Zhang, Jiaqing He,* Rong Sun and Ruiheng Liu*

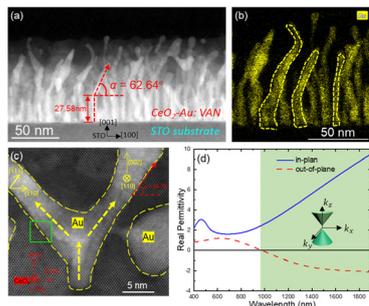
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Tunable control of the performance of aqueous-based electrochemical devices by post-polymerization functionalization

Shengyu Cong, Junxin Chen, Bowen Ding, Liuyuan Lan, Yazhou Wang, Chaoyue Chen, Zhengke Li, Martin Heeney* and Wan Yue*

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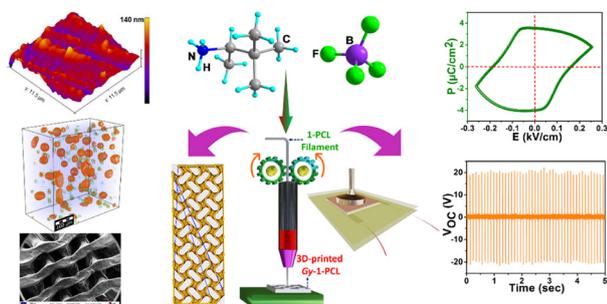


Abnormal in-plane epitaxy and formation mechanism of vertically aligned Au nanopillars in self-assembled CeO₂-Au metamaterial systems

Juanjuan Lu, Di Zhang, Robynne L. Paldi, Zihao He, Ping Lu, Julia Deitz, Ahmad Ahmad, Hongyi Dou, Xuejing Wang, Juncheng Liu, Zedong Hu, Bo Yang, Xinghang Zhang, Anter A El-Azab and Haiyan Wang*



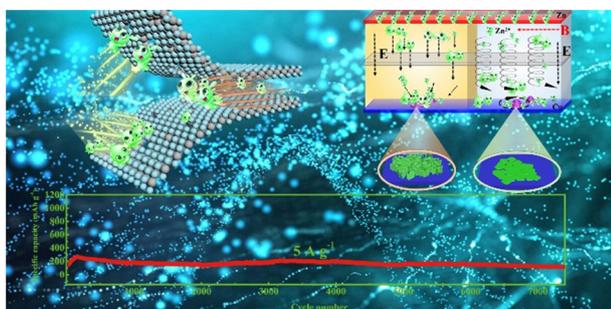
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3D-printed polymer composite devices based on a ferroelectric chiral ammonium salt for high-performance piezoelectric energy harvesting

Supriya Sahoo, Premkumar Anil Kothavade, Dipti R. Naphade, Arun Torris, Balu Praveenkumar, Jan K. Zareba,* Thomas D. Anthopoulos,* Kadiravan Shanmuganathan* and Ramamoorthy Boomishankar*

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Magneto-electrochemistry driven ultralong-life Zn- VS_2 aqueous zinc-ion batteries

Yunjie Mao, Jin Bai,* Jianguo Si,* Hongyang Ma, Wanyun Li, Peiyao Wang, Hongli Zhang, Zhigao Sheng, Xiaoguang Zhu, Peng Tong, Xuebin Zhu, Bangchuan Zhao* and Yuping Sun

