

Materials Horizons

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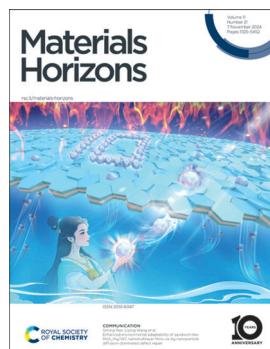
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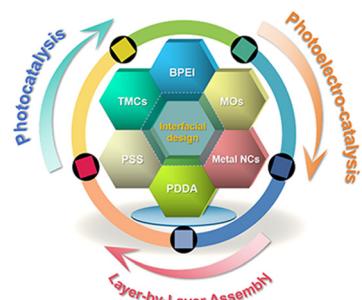
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A reflection on 'Self-assembly of aligned rutile@anatase TiO₂ nanorod@CdS quantum dots ternary core–shell heterostructure: cascade electron transfer by interfacial design'

Xian Yan, Jiao-Nan Yuan, Fang-Xing Xiao* and Bin Liu*

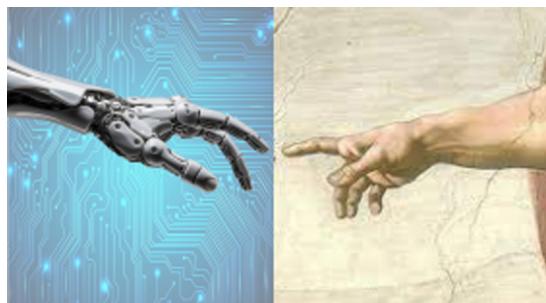


OPINION

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Reaching across the divide: materials scientists interfacing with biologists

Rachana Acharya and Róisín M. Owens*



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REVIEWS

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Alternating current electroluminescence devices: recent advances and functional applications

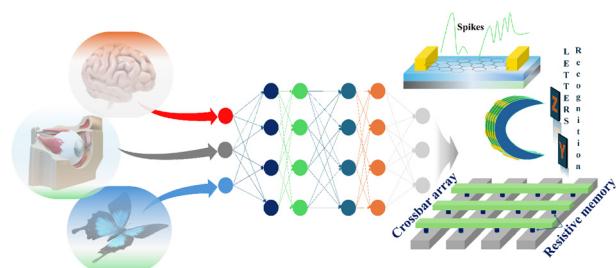
Yibin Liu, Meili Xu,* Hui Long, Roman B. Vasiliev, Shukui Li, Hong Meng and Shuai Chang*



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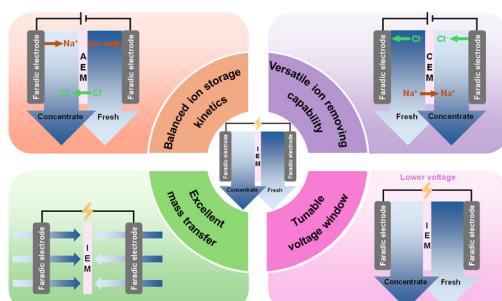
Animesh Sinha, Jihun Lee, Junho Kim and Hongyun So*



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Hao Wang, Yong Liu,* Yuquan Li, Xingtao Xu,* Ting Lu and Likun Pan*

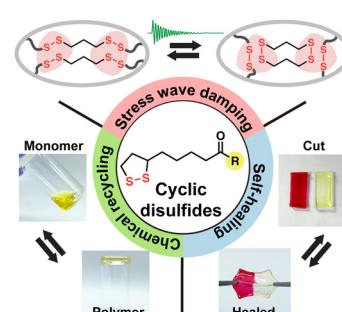


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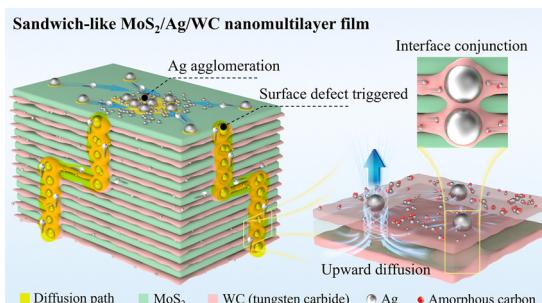
Principles for designing sustainable and high-strain rate stress wave dissipating materials

Juho Lee, Gyeongmin Park, Dongju Lee, Jiyun Shin, Cheol-Hee Ahn, Jaejun Lee* and Tae Ann Kim*



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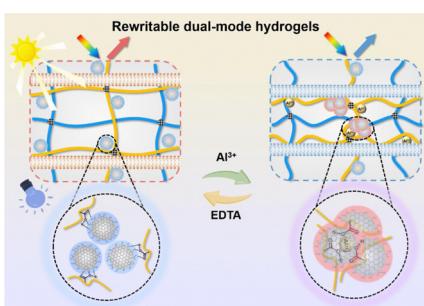
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Enhanced environmental adaptability of sandwich-like $\text{MoS}_2/\text{Ag}/\text{WC}$ nanomultilayer films via Ag nanoparticle diffusion-dominated defect repair

Min Yang, Xin Fan, Siming Ren* and Liping Wang*

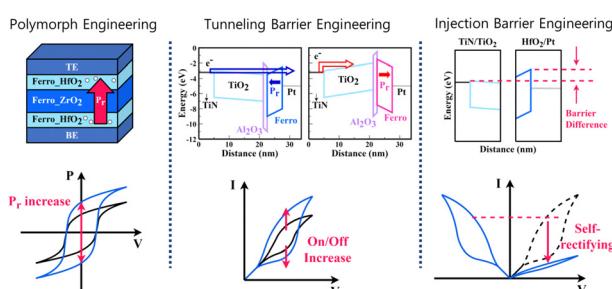
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Dynamic metal–ligand coordination enables a hydrogel with rewritable dual-mode pattern display

Hui Shang, Yu Sun, Xiaoxia Le,* Ying Shen and Tao Chen*

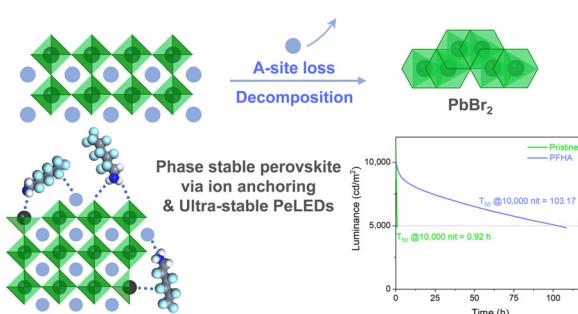
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Phase stabilization via A-site ion anchoring for ultra-stable perovskite light emitting diodes

Shuo Ding, Zhuoyuan Kong, Yipeng Shen, Piaoyang Shen, Chunyan Wu, Lei Qian, Xinyu Zhang, Long Hu, Hao Chen* and Chaoyu Xiang*

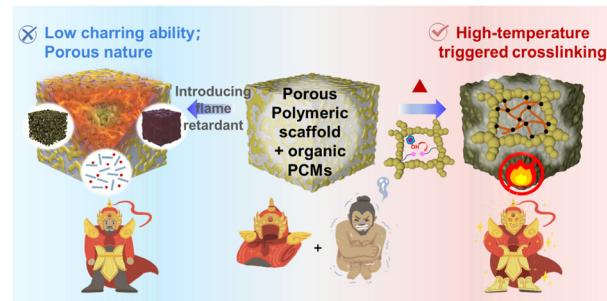


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A high-temperature-triggered crosslinking reaction to achieve excellent intrinsic flame retardancy of organic phase change composites

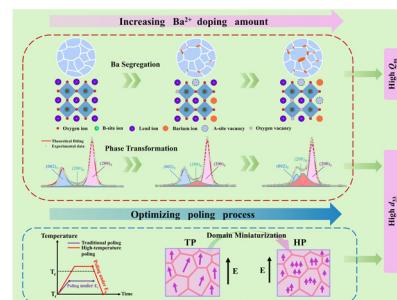
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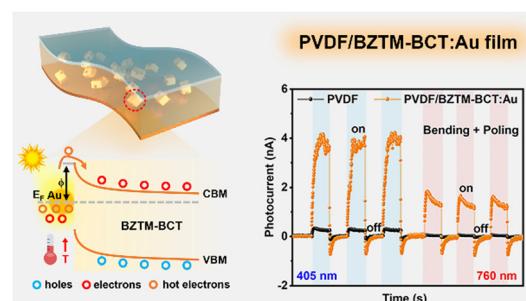
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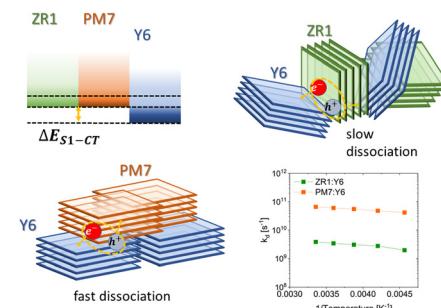
Lu Wang, Muzaffar Ahmad Boda, Chen Chen, Xiang He and Zhiguo Yi*



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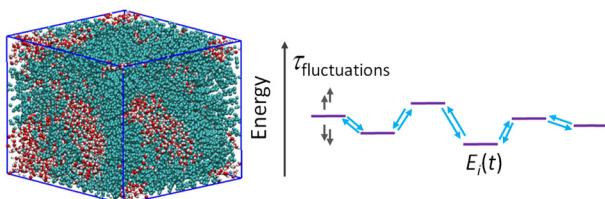
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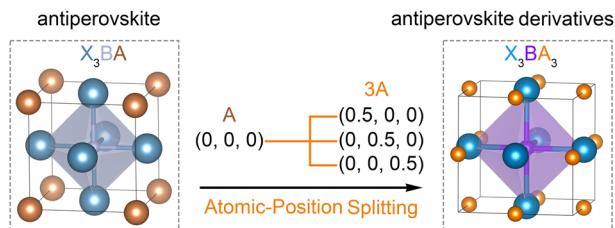
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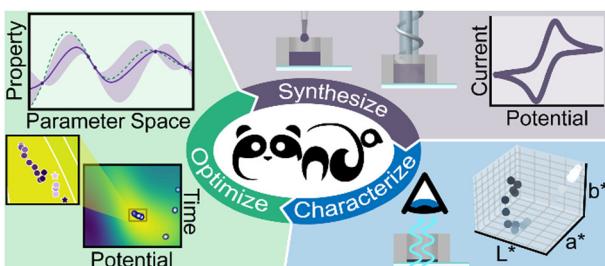
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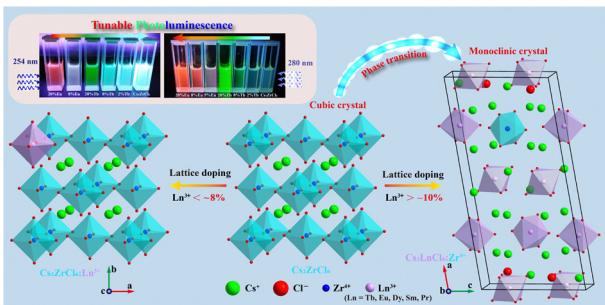
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Yachong Liu, Rui Yun, Huanxin Yang, Wenda Sun, Yue Li, Haolin Lu, Libing Zhang and Xiyan Li*

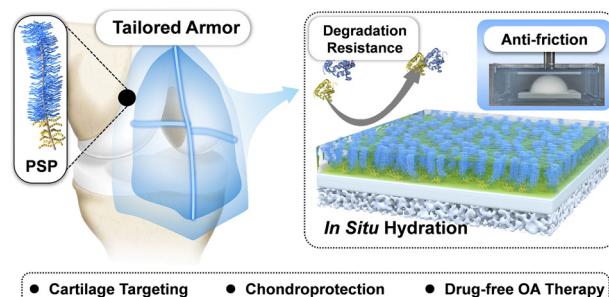


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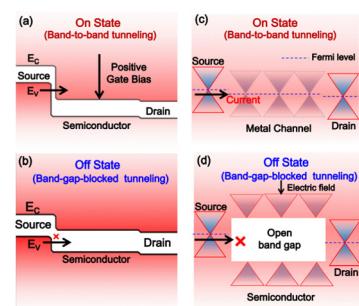
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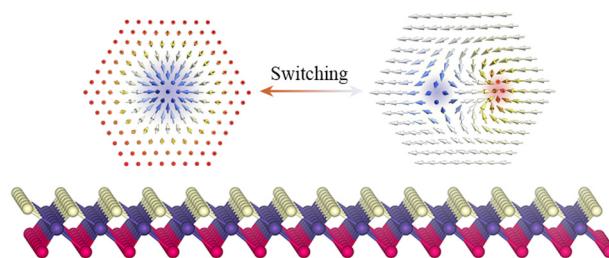
Xingyi Tan, Hengze Qu, Jialin Yang, Shengli Zhang* and Hua-Hua Fu*



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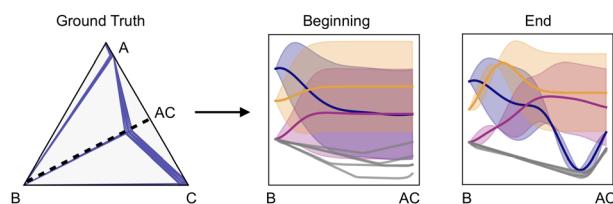
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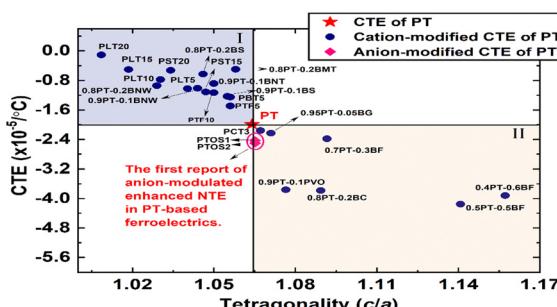
Probabilistic prediction of material stability: integrating convex hulls into active learning

Andrew Novick,* Diana Cai, Quan Nguyen, Roman Garnett, Ryan Adams and Eric Toberer



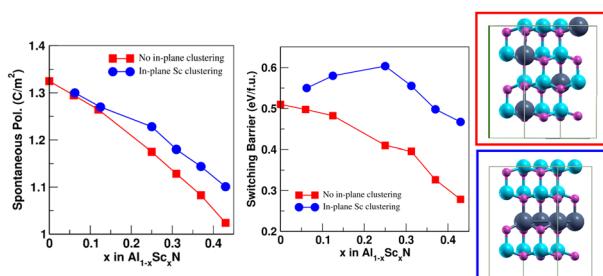
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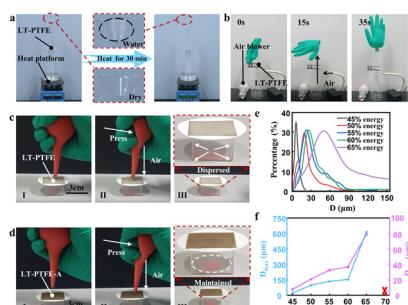
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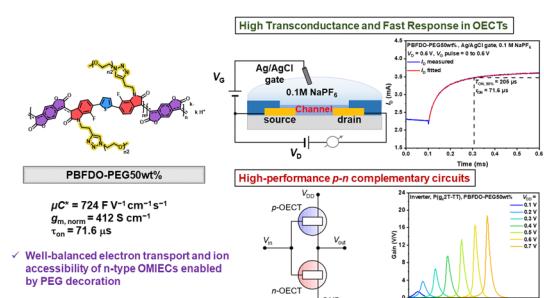
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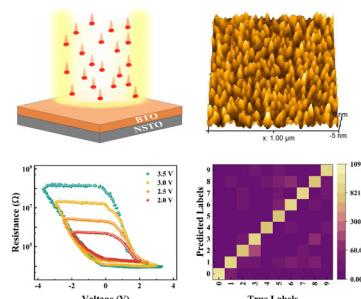


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Zequ Lin, Qingtao Li, Xiyuan Han, Huitong Luo, Zetao Wang, Zhihao Qin, Yue Huang, Qi Feng* and Xiaodong Cao*

