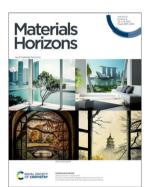
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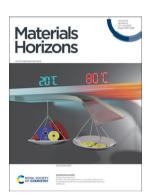
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Materials Horizons Emerging Investigator Series: Dr Megan Fieser, University of Southern California, **USA**



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Vanadium fluorophosphates: advanced cathode materials for next-generation secondary batteries

Shitan Xu, Yi Yang, Fang Tang, Yu Yao, Xiang Lv, Lin Liu, Chen Xu, Yuezhan Feng, Xianhong Rui* and Yan Yu*



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Chiral-induced spin selectivity in biomolecules, hybrid organic-inorganic perovskites and inorganic materials: a comprehensive review on recent progress

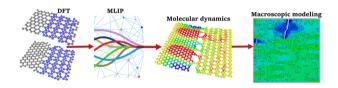
Yingdan Xu and Wenbo Mi*



1956

Atomistic modeling of the mechanical properties: the rise of machine learning interatomic potentials

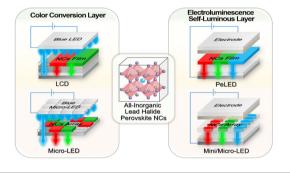
Bohayra Mortazavi,* Xiaoying Zhuang,* Timon Rabczuk and Alexander V. Shapeev*



1969

All-inorganic lead halide perovskite nanocrystals applied in advanced display devices

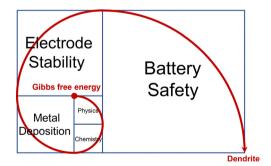
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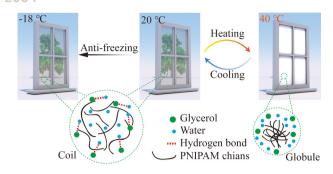


1990

Nucleophilic deposition behavior of metal anodes

Yuqian Li, Jie Shu and Liyuan Zhang*

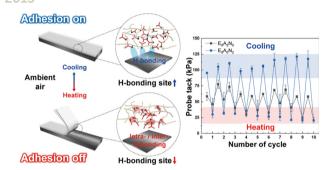




Physical crosslinked hydrogel-derived smart windows: anti-freezing and fast thermal responsive performance

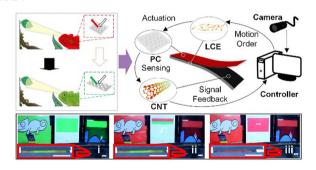
Gang Li, Jiwei Chen, Zhaonan Yan, Shancheng Wang, Yujie Ke, Wei Luo, Huiru Ma, Jianguo Guan* and Yi Long*

2013



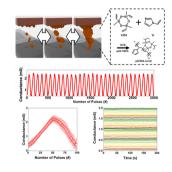
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Weitian Zhang, Hongmiao Tian,* Tianci Liu, Haoran Liu, Fabo Zhao, Xiangming Li, Chunhui Wang, Xiaoliang Chen and Jinyou Shao



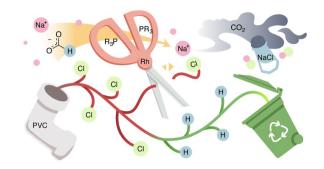
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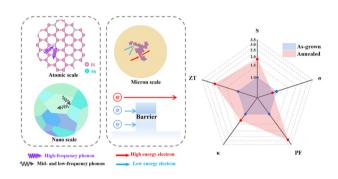
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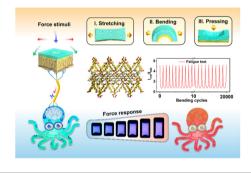
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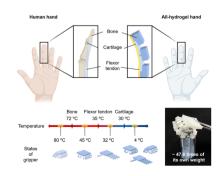
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Human hand-inspired all-hydrogel gripper with a high load capacity formed by the split-brushing adhesion of diverse hydrogels

Hye Been Koo, Eunseok Heo, In Cho, Sun Hong Kim, Jiheong Kang and Jae-Byum Chang*



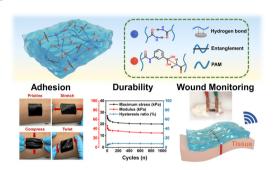
2086

$G_{\max}(U)$ -based OER volcano [eV] Mechanistic changes

[eV]

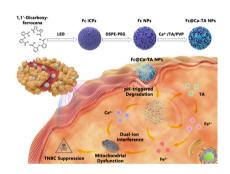
On the mechanistic complexity of oxygen evolution: potential-dependent switching of the mechanism at the volcano apex

Kai S. Exner



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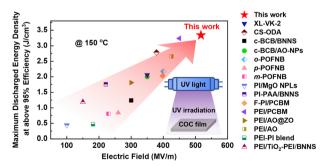
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Junlie Yao, Jie Xing, Fang Zheng, Zihou Li, Shunxiang Li, Xiawei Xu, Devrim Unay, Young Min Song, Fang Yang* and Aiguo Wu*

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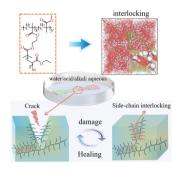
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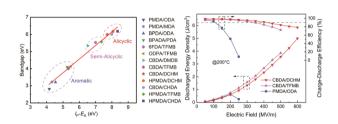
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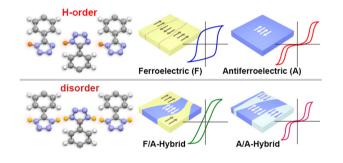
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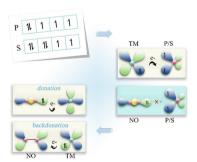
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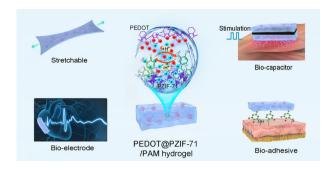
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Activating dual atomic electrocatalysts for the nitric oxide reduction reaction through the P/S element

Yanmei Zang, Qian Wu,* Shuhua Wang, Baibiao Huang, Ying Dai* and Yandong Ma*

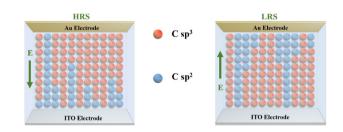


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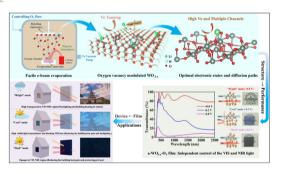
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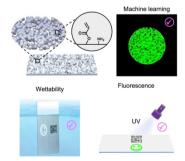
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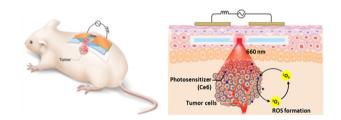
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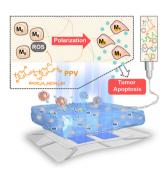
An implantable ionic therapeutic platform for photodynamic therapy with wireless capacitive power transfer

Seol-Ha Jeong, Min-Gyu Lee, Chong-Chan Kim, Jeehun Park, Yujin Baek, Byung Ik Park, Junsang Doh and Jeong-Yun Sun*



A biophotonic device based on a conjugated polymer and a macrophage-laden hydrogel for triggering immunotherapy

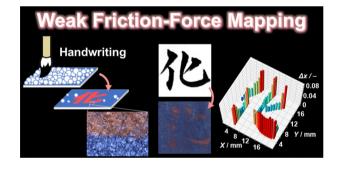
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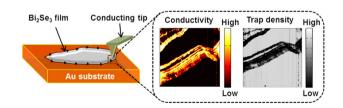
Nano Shioda, Ryotaro Kobayashi, Seiichiro Katsura, Hiroaki Imai, Syuji Fujii* and Yuya Oaki*



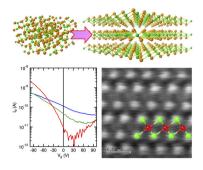
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Nanoscale mapping of edge-state conductivity and charge-trap activity in topological insulators

Shashank Shekhar, Yuhyeon Oh, Jin-Young Jeong, Yoonji Choi, Duckhyung Cho and Seunghun Hong*

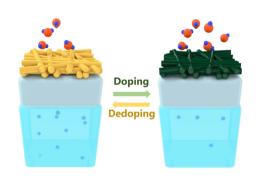


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Discovery of a metastable van der Waals semiconductor via polymorphic crystallization of an amorphous film

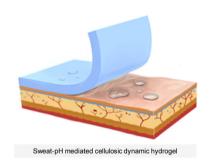
Yuta Saito,* Shogo Hatayama, Wen Hsin Chang, Naoya Okada, Toshifumi Irisawa, Fumihiko Uesugi, Masaki Takeguchi, Yuji Sutou and Paul Fons



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Renjie Ding, Jinhua Xiong, Qian Yan, Zhong Chen, Zonglin Liu, Xu Zhao, Qingyu Peng* and Xiaodong He*

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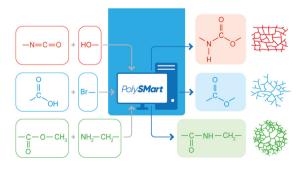




A sweat-pH-enabled strongly adhesive hydrogel for self-powered e-skin applications

Lei Zhang, Siheng Wang, Zhuomin Wang, Zhen Huang, Penghao Sun, Fuhao Dong, He Liu,* Dan Wang* and Xu Xu*

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PolySMart: a general coarse-grained molecular dynamics polymerization scheme

Seyyed Mohammad Mousavifard, Hassan Ghermezcheshme, Alireza Mirzaalipour, Mohsen Mohseni, Gijsbertus de With and Hesam Makki*