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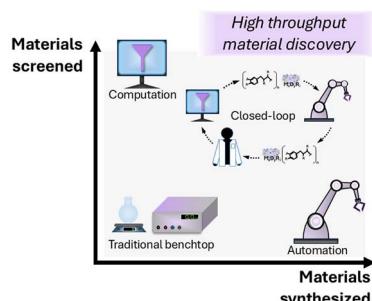
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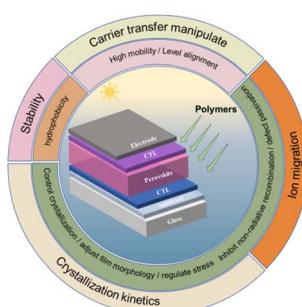
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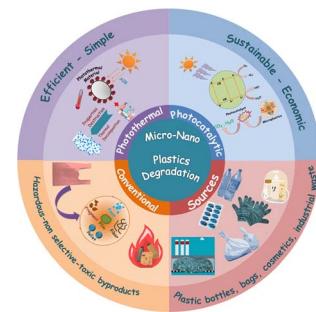


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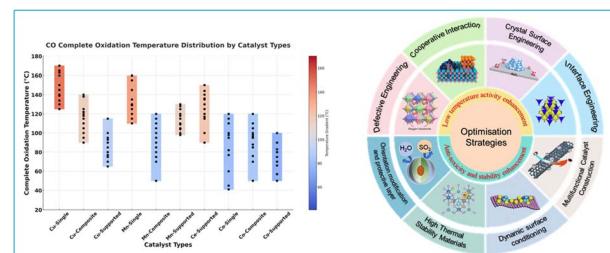
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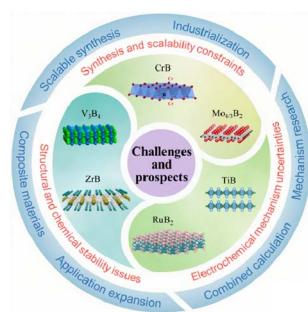
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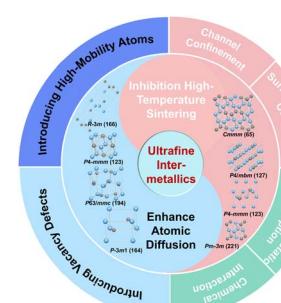


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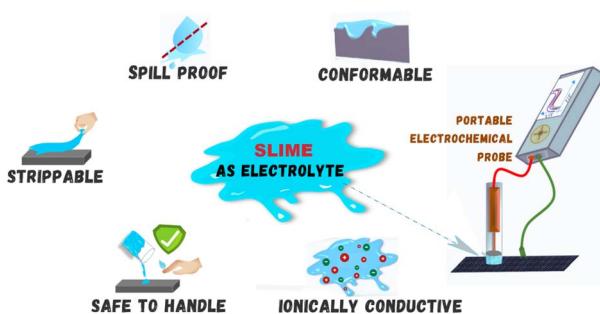
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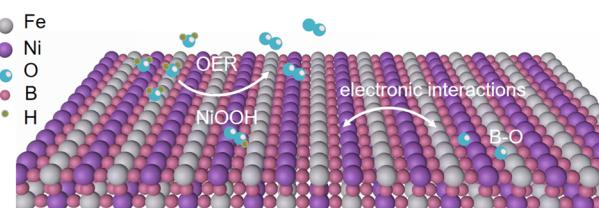


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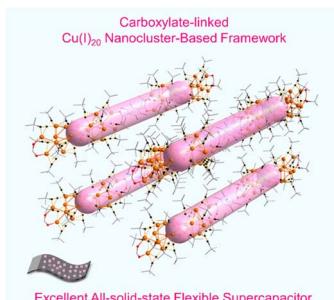
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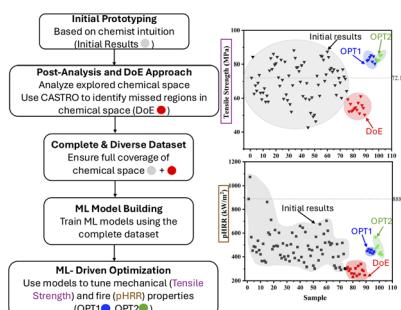
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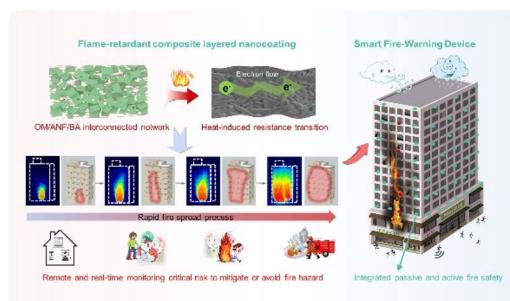
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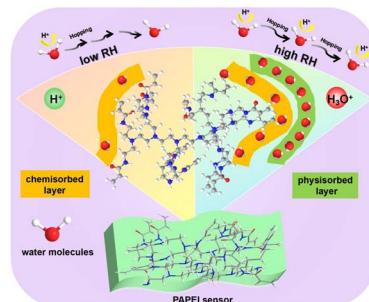
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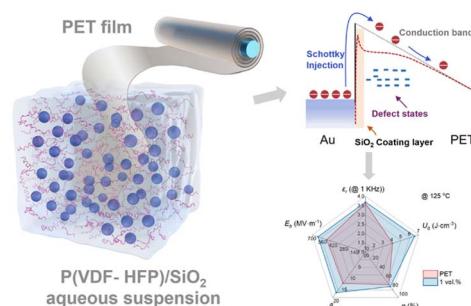
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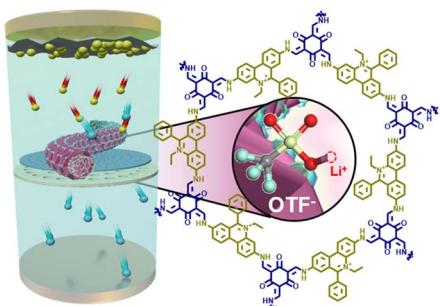
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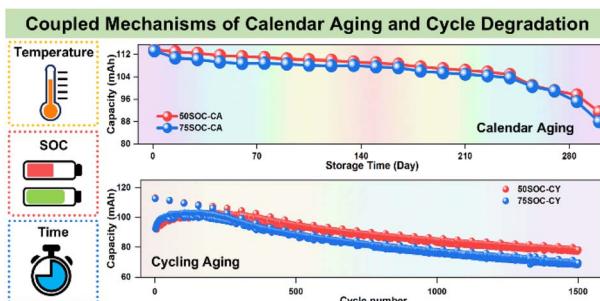
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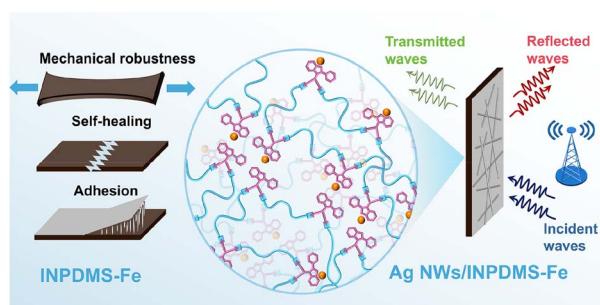
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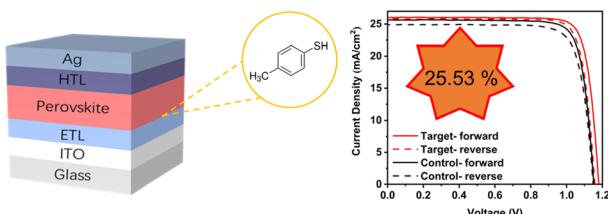
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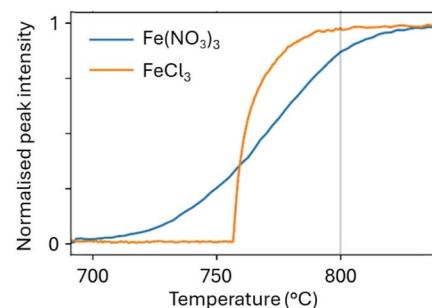


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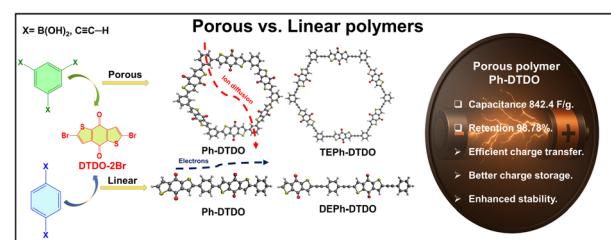
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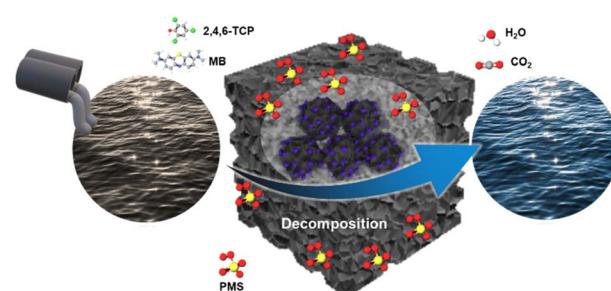
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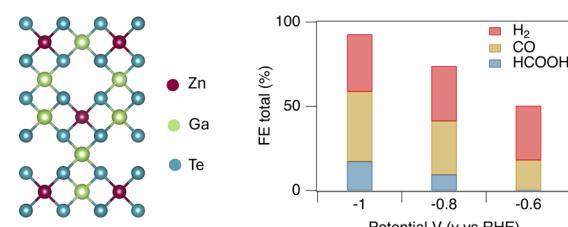


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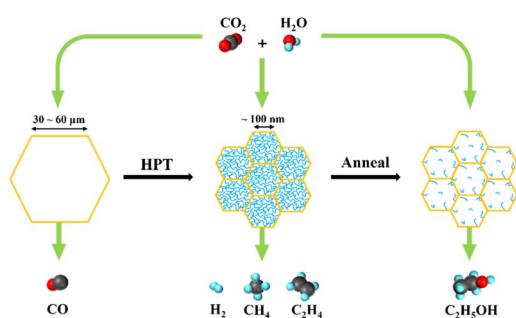
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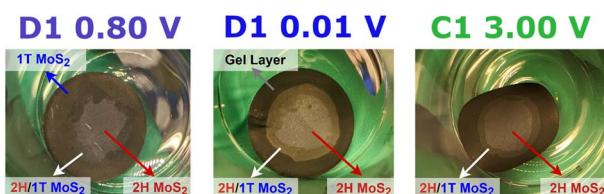
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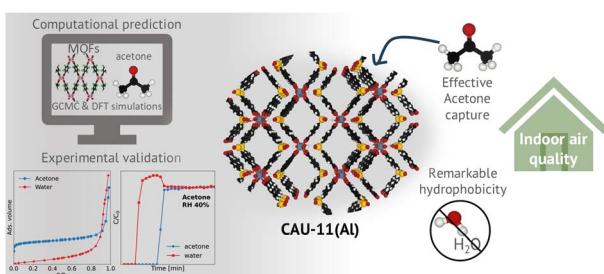
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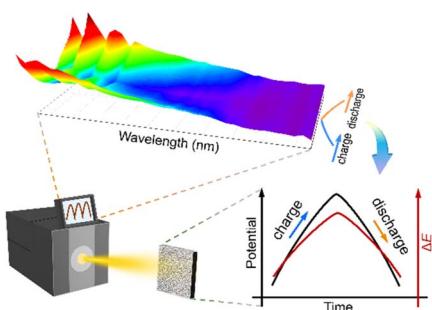
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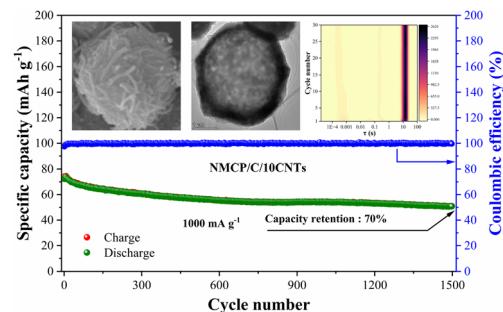


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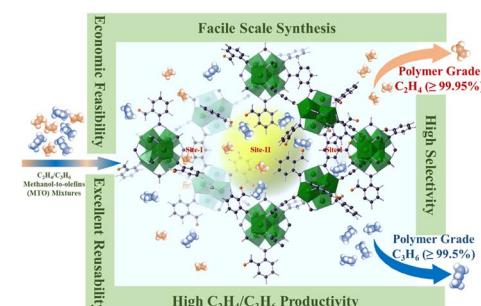
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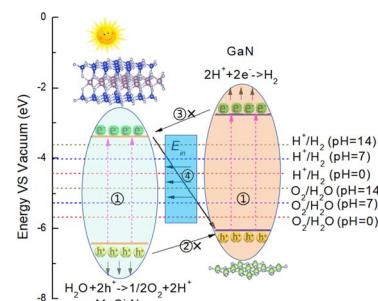
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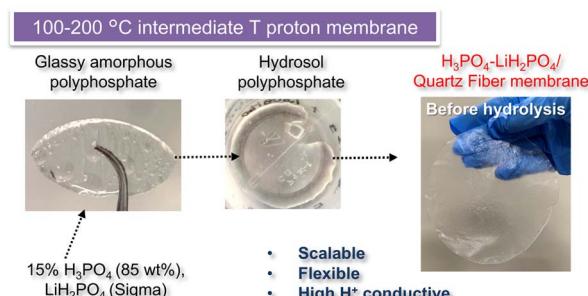
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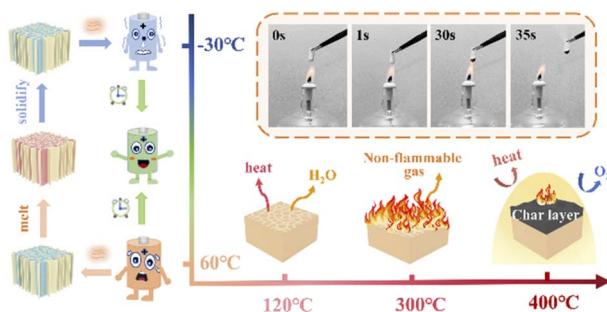
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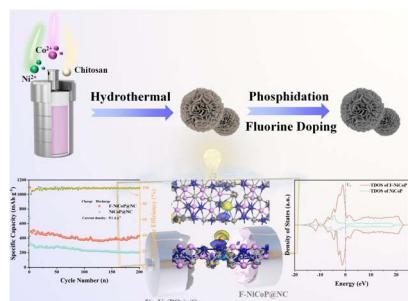
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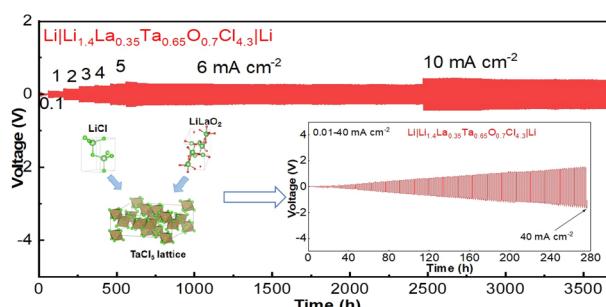
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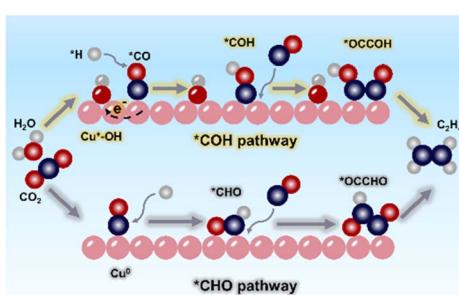
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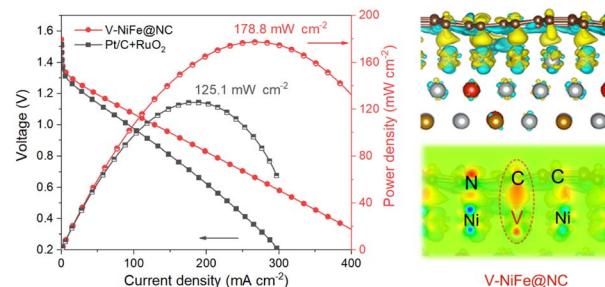


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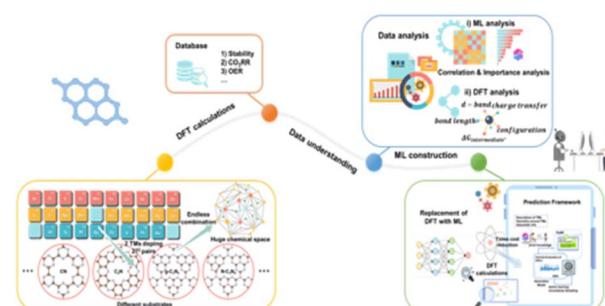
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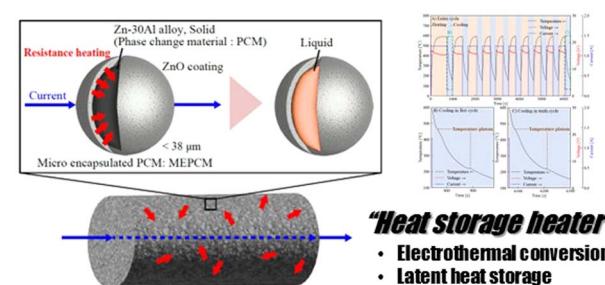
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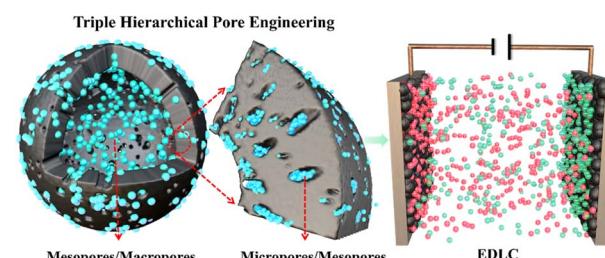
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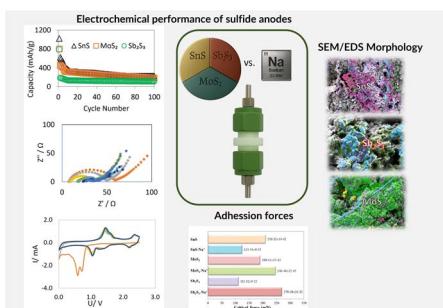
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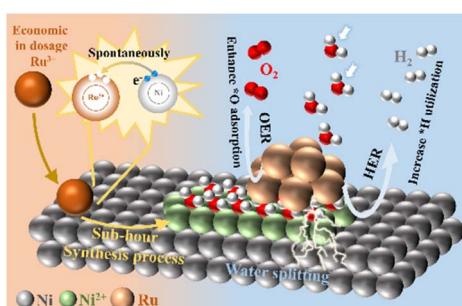
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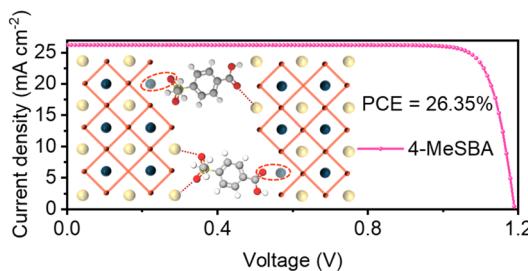


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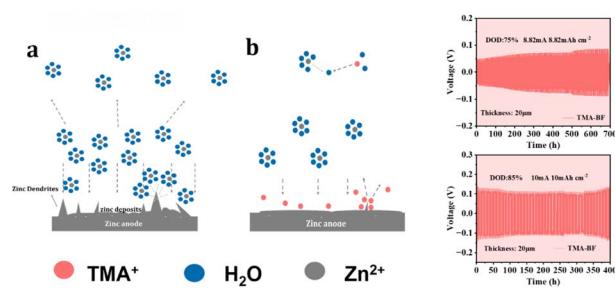


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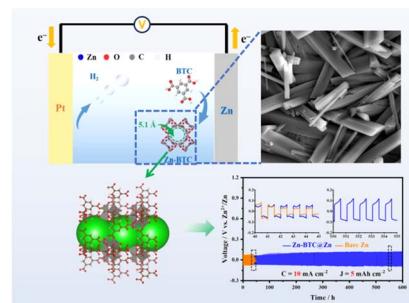
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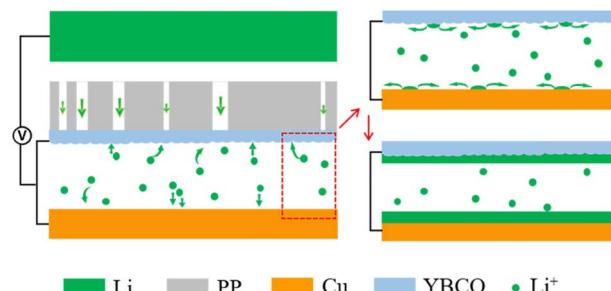
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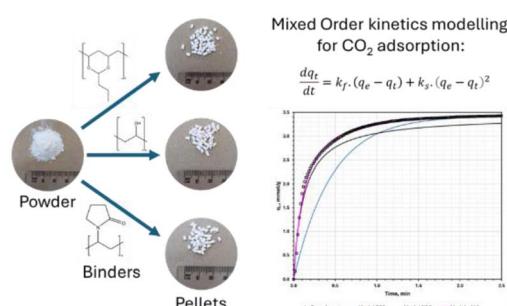
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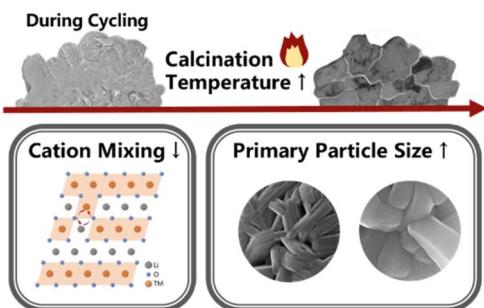
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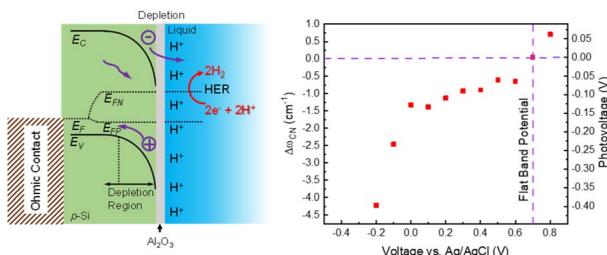
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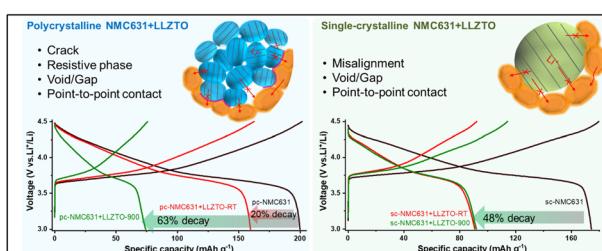
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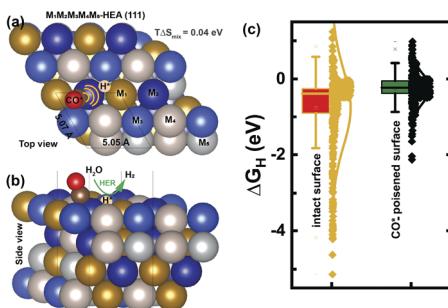
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Thermal stability and electrochemical behavior of commercial polycrystalline and single-crystalline cathodes integrated with cubic Li_{6.4}La₃Zr_{1.4}Ta_{0.6}O₁₂ for all-solid-state lithium batteries

Ziting Ma, Grant LaBriola, Karlo Adrian Salazar, Chunting Chris Mi and Lingping Kong*

26660



Breaking the poisoning paradigm: a high-throughput DFT screening of high-entropy alloys with a focus on phonon-induced uncertainty

Mohsen Tamtaji, William A. Goddard III* and GuanHua Chen*

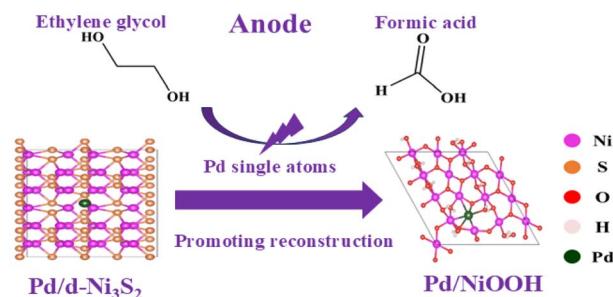


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26669

Anchoring Pd single atoms through S vacancies of defective nickel–sulfur for efficient electrocatalytic polyethylene terephthalate oxidation coupled with hydrogen evolution

Mingming Zhan, Lipeng Guo, Xin Liang, Zhefei Zhao,* Xingyu Luo, Ruopeng Yu, Qilong Wu, Linlin Zhang, Runtao Jin, Yihan Zhu, Yi Jia* and Huajun Zheng*



26681

Synergistic construction of defect-rich nanozymes via montmorillonite support loading and iron doping for enhanced peroxidase-like activity

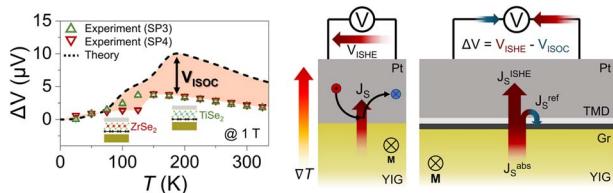
Wenjie Qu, Xiaorong Yang, Feng Feng, Yihe Zhang* and Wangshu Tong*



26690

Negative spin-to-charge current induced by interfacial spin-orbit coupling in Pt/monolayer 1T-TiSe₂/graphene/yttrium iron garnet quadruple heterostructures

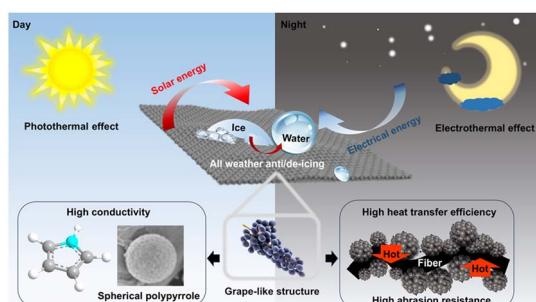
Jae Won Choi, Yun-Ho Kim, Jung-Min Cho, Katsuaki Sugawara, Jungtae Nam, Min-Sung Kang, Gangmin Park, Gil-Sung Kim, No-Won Park, Takashi Kikkawa, Won-Yong Lee, Young-Gui Yoon, Keun Soo Kim, Eiji Saitoh, Takafumi Sato* and Sang-Kwon Lee*



26700

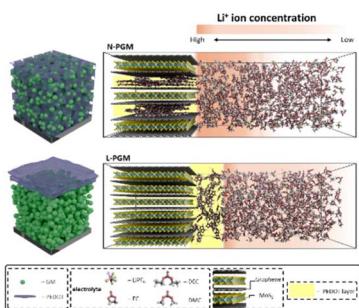
A robust grape-like superhydrophobic surface for efficient oil–water separation and anti/de-icing

Xiaoyan Xu, Chutong Xiao, Wenquan Liu, Wei Li,* Lingling Feng, Xixuan Fang and Hui Qiao*



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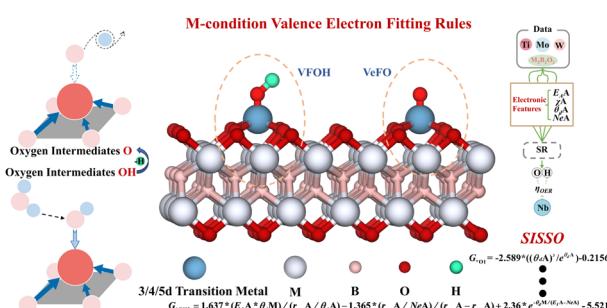
26712



Spatial engineering of electrode architectures with conducting polymer for high-performance lithium hybrid capacitors: interior 3D networks versus outer 2D layers

Changjun Kim, Minseong Ju, Haney Lee, Sangmin Kim, Inseo Hwang, Cuong Van Le, Thi Thuong Thuong Nguyen, Hyeonseung Yoon, Mincheol Chang and Hyeonseok Yoon*

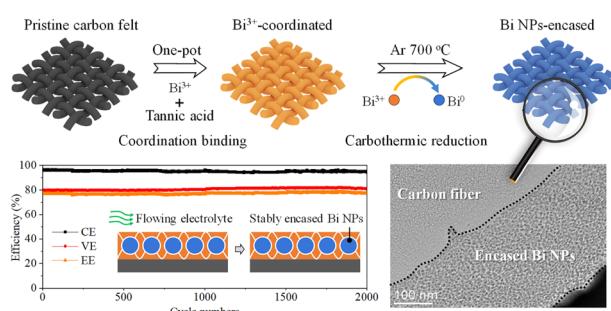
26724



Machine learning-assisted exploration of the interfacial valence electron fitting rule for MBene-based single-atom catalysts

Zhikai Gao, Zhiguo Wang, Tiren Peng, Xi Sun, Hang Zhang, Zishan Luo, Yuhang Zhou, Lei Zeng, Hong Cui,* Weizhi Tian,* Rong Feng, Lingxia Jin and Hongkuan Yuan

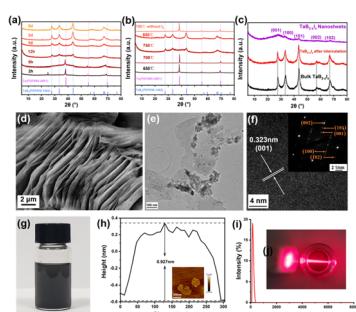
26737



Tannic acid-assisted surface encasing of bismuth nanoparticles on carbon felt for high-performance vanadium redox flow batteries

Jining Sun, Wenbo Zhang, Mengfan Lv, Jingren Chen, Mingming Zhao, Yu Cao, Jin Wang, Tao Fang, Hongdong Jiang* and Lei Zhang*

26747



Synthesis of two-dimensional TaB₂ and its application in electrocatalytic water splitting

Ruilong Ye, Xingcai Wu* and Yourong Tao*

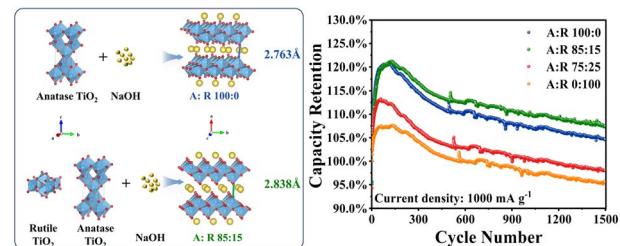


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26756

The balance of structural compatibility and distortion in titanium sources for the preparation of a high performance $\text{Na}_2\text{Ti}_6\text{O}_{13}$ anode

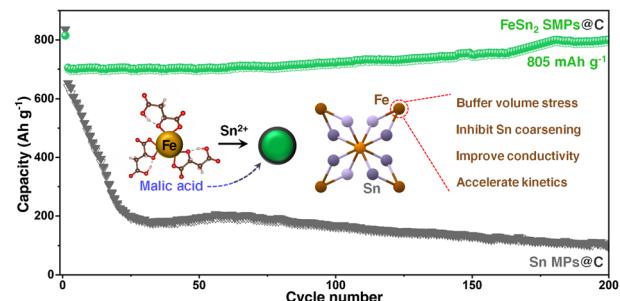
Qian Li, Changyan Hu, Yihua Liu, Ruoyang Wang, Feng Chen, Tingru Chen, Zhenguo Wu* and Xiaodong Guo



26764

A robust malic acid-assisted displacement reaction to form carbon-coated submicron FeSn_2 with superior lithium storage reversibility enabled by the solid solution effect

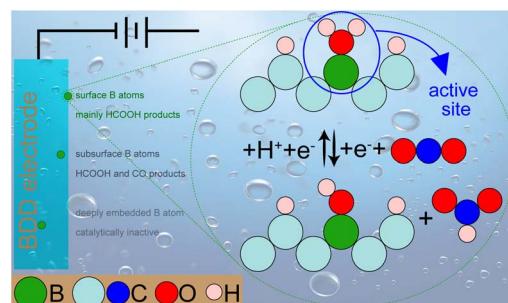
Guanghui Li, Chunhua Jiang, Shuaiwei Sun, Dongli Pei, Guangqiang Ma, Huile Jin, Shiqiang Zhao,* Shun Wang* and Xiaoxu Bo*



26779

Boron site-dependent electrocatalytic CO_2 reduction at the boron-doped diamond– H_2O interface

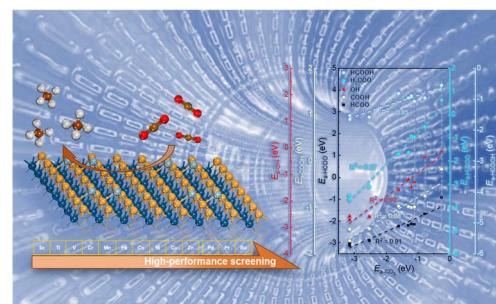
Kai Zhu, Shaohua Lu and Xiaojun Hu*



26788

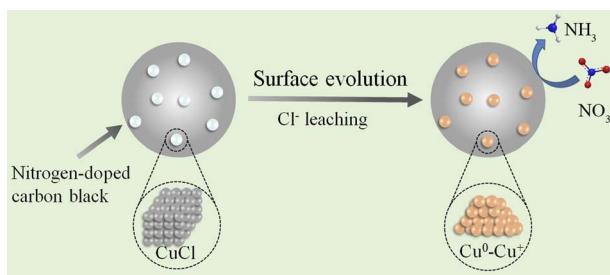
Rational design of MoS_2 -based dual-atom catalysts for CO_2 -to-methane conversion: thermodynamic and electronic insights into activity and selectivity

Yuxiang Jin, Zhengtong Ji, Xue Yao, Erhong Song* and Yongfu Zhu*



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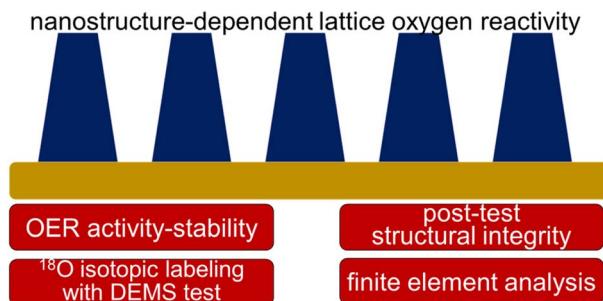
26797



Anion leaching induced amorphous Cu/CuO_x on N-doped carbon for efficient electrochemical nitrate reduction to ammonia

Maolin Zhang, Karthik Peramaiah, Moyu Yi and Hao Huang*

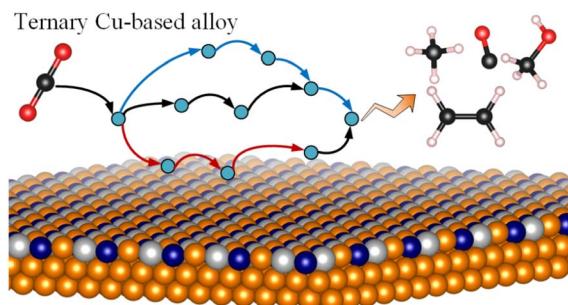
26804



Nanostructure-dependent lattice oxygen reactivity and degradation of CoNi oxyhydroxide OER electrocatalysts: a mechanistic study

Liuyuan Ran, Kai Zhao, Xiaoyi Jiang and Ning Yan*

26812



A convenient method of ternary alloys design for CO₂-to-C₂H₄ electroreduction

Yiyang Xiao, Yingju Yang,* Wei Liu and Jing Liu

