

@article{Zhang2022AnAE, title={An Additive-Enabled Ether-Based Electrolyte to Realize Stable Cycling of High-Voltage Anode-Free Lithium Metal Batteries}, author={Jianwen Zhang and Haikuo Zhang and Leqing Deng and Yusi Yang and Lulu Tan and Xiaogang Niu and Yifan Chen and Liang Zeng and Xiulin Fan and Yujie Zhu}, journal={SSRN Electronic Journal ...

Lithium-sulfur (Li-S) batteries are considered to be one of the candidates for high-energy density storage systems due to their ultra-high theoretical specific capacity of 1675 mA h g⁻¹.

The liquid metal battery (LMB) is an attractive chemistry for grid-scale energy-storage applications. The full-liquid feature significantly reduces the interface resistance between electrode and electrolyte, endowing LMB with attractive kinetics and transport properties. Achieving a high energy density still remains a big challenge. Herein, we report a low-melting ...

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DOI: 10.1002/sml.202310184 Corpus ID: 266561363; A High-Entropy Prussian Blue Analog for Aqueous Potassium-Ion Batteries. @article{Ma2023AHP, title={A High-Entropy Prussian Blue Analog for Aqueous Potassium-Ion Batteries.}, author={Can Ma and Chao Lin and Nan Li and Yifan Chen and Yusi Yang and Lulu Tan and Zhenglin Wang and Qianfan Zhang ...

The demonstration of this high-efficiency system is an important step closer to the US Department of Energy technology and cost goals, and shows great opportunities for solar energy storage and H ...

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received increasing attention recently. However, it is still challenging to achieve...

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DOI: 10.1016/J.JALLCOM.2017.01.226 Corpus ID: 100521805; WO3 nanoflower coated with graphene nanosheet: Synergetic energy storage composite electrode for supercapacitor application

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Published in. Angewandte Chemie Int Ed, Wiley-VCH. Content. Angewandte Chemie International Edition, Accepted Article. Free from strategically important elements such as lithium, nickel, cobalt, and copper,

potassium-ion batteries (PIBs) are heralded as promising low-cost and sustainable electrochemical energy storage systems that complement the ...

Lei Dai, Shi Chen, Jianjun Liu, Yanfeng Gao, Jiadong Zhou, Zhang Chen, Chuanxiang Cao, Hongjie Luo and Minoru Kanehira "F-doped VO₂ nanoparticles for thermochromic energy-saving foils with modified color and enhanced solar-heat shielding ability" *Phys. Chem. Chem. Phys.*, 2013,15, 11723-11729.

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Xiudong Chen, Hang Zhang, Jin-Hang Liu, Yun Gao, ... Dapeng Cao. Pages 21-46 View PDF. Article preview. ... select article Corrigendum to "Significant increase in comprehensive energy storage performance of potassium sodium niobate-based ceramics via synergistic optimization strategy", *energy storage materials* 45 (2022) 861-868.

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