

Low LUMO energy carbon molecular interface to suppress electrolyte decomposition for fast charging natural graphite anode Energy Storage Materials (IF 20.2) Pub Date : 2024-09-23, ...

Graphical Abstract A competitive solvation structure strategy is proposed to further immobilize free water molecules and construct an ...

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C. Zhi thanks for the support by GRF, research grants council, Hong Kong, under Project N_CityU11305218, and the sponsor by the Science Technology and Innovation ...

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?Chair Professor, ME, The University of Hong Kong, Hong Kong? - ??:84,164 ?? - ?Aqueous batteries? - ?Solid state batteries? - ?Energy storage? - ?Catalysts for sustainability?

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Efficient Ammonia Electrosynthesis and Energy Conversion through a Zn-nitrate Battery by Iron Doping Engineered Nickel Phosphide Catalyst R Zhang, Y Guo, S Zhang, D Chen, Y Zhao, Z ...

a Department of Materials Science and Engineering, City University of Hong Kong, 83 Tat Chee Avenue, Kowloon, Hong Kong 999077, China E-mail: ...

Zinc-based batteries (ZBs) have recently attracted wide attention energy storage with cost-effectiveness and intrinsic safety. However, it suffers from poor interface stability ...

Academic Position Associate Professor in Decisions, Operations and Technology, CUHK Business School, The Chinese University of Hong Kong. 07/2025-present. Assistant Professor ...

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Polymeric membranes with aligned zeolite nanosheets for sustainable energy storage Nature Sustainability (IF 25.7) Pub Date : 2022-10-17, DOI: ...

In addition, this study underscores the approach to develop hybrid energy-storage technologies through modification of electrode materials. Keywords: flexible; hybrid ...

New Organic Electrode Materials for Ultrafast Electrochemical Energy Storage Advanced Materials (IF 26.8) Pub Date : 2019-02-20, DOI: 10.1002/adma.201806599 Zhirong ...

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