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Lili, Gong??????Energy Storage Materials??:????????????????????? ???? | 2024-02-04

???????,xianjindianyuanshiyanshi,????????,Lili Gong et al published their article in Journal of Energy Storagebattery, metal-air batteries, Zn-based ...

Among current energy storage and conversion technologies, LIBs are considered promising due to their low self-discharge rate, high energy density, lightweight, and long cycle ...

In this talk, I will discuss strategies for designing multifunctional catalysts that exhibit good catalytic performance in CO2 activation, clean energy production, and energy storage and...

????????????????? Journal of Energy Storage (IF 8.9) Pub Date : 2022-12-22, DOI: 10.1016/j.est.2022.106454 Xueyan Li, Zhiyuan Zhang, Lili Gong ...

Lithium (Li)-rich Manganese (Mn)-based cathode materials are considered to be the most hopeful cathode materials for next-generation high-energy-density Li metal batteries. ...

Advanced Energy Storage Devices: Basic Principles, Analytical Methods, and Rational Materials Design Advanced Science (IF 14.3) Pub Date : 2017-11-15, DOI: 10.1002/advs.201700322 ...

Lili"s expertise is in green and sustainable catalysis, electrocatalysis, clean energy production, carbon-based materials and their applications in energy storage and catalysis. She is a Global ...

Undesirable energy density and storage ability hinder the pure carbon-based symmetric supercapacitor commercial application. Constructing hierarchical pore structure ...

????????????????????? Energy Storage Materials (IF 20.2) Pub Date : 2025-03-08, DOI: 10.1016/j.ensm.2025.104163 Manni Li, Jiamin Yuan, ...

????????????????????????????????? Energy Storage Materials (IF 20.2) Pub Date : 2024-06-11, DOI: 10.1016/j.ensm.2024.103559 Xia Sun 1, ...

Defects in carbon exhibit high activity and fast kinetics, which can enhance the energy and power densities of sodium-ion (SIBs) and potassium-ion bat...

A remarkable energy storage density (~3.23 J cm?³) along with a high energy storage efficiency (~88.2%) was obtained simultaneously at an applied electric field of 290 kV cm?¹.

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The use of non-metal charge carriers such as ammonium (NH4+) in electrochemical energy storage devices offers advantages in terms of weight, element abundance, and compatibility ...

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