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Moreover, the application of LLMs has extended to natural science research, demonstrating promising potential for improving research efficiency. Thus, LLMs are expected ...

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The rapid development of renewable energy technology has led to the increased application of lithium batteries as efficient energy storage devices in electric vehicles, as well as aerospace and military ...

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Energy storage technology, particularly heat storage technology, can efficiently solve the intermittency issue of solar energy; thus, enhancing the quality and efficiency of the ...

This study advances the application of cathode prelithiation technology in energy storage systems, providing both theoretical and experimental insights for the design ...



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Energy storage is the key technology to support the development of new power system mainly based on renewable energy, energy revolution, construction of energy system ...

Thermochemical heat storage has the advantages of high energy storage density, good cycling performance, long storage time and small heat loss, and has a broad prospect in improving energy efficiency ...

Xibo He, Wei Wang, Yong Shuai Energy Storage Science and Technology DOI: 10.19799/j.cnki.2095-4239.2025.0844 Accepted: 31 October 2025 Solar photothermal energy ...



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