

Are solid state batteries the future of energy storage?

All solid state batteries (ASSBs) are regarded as promising next-generation energy storage systems that have the potential to achieve both high energy density and improved safety by replacing flammable liquid electrolyte with solid state electrolytes (SSEs), thus attracting extensive interest from both academia and industry in recent years [3,4].

Are Na-ion batteries suitable for large-scale energy storage?

Na-ion batteries (NIBs) have received significant interest as potential candidates for large-scale energy storage owing to the widespread distribution of sodium and superior low-temperature performance.

Why is energy storage a bottleneck?

However, a long-standing bottleneck is their relatively small energy storage capability compared with electrochemical energy storage devices such as batteries, which impedes the miniaturization, integration and cost-effectiveness of advanced devices [4,5,6].

What are Yong Yang & Yu Su & Haoyue Zhong?

Yu Su: Methodology. Haoyue Zhong: Methodology. Yong Yang: Conceptualization, Funding acquisition, Project administration, Supervision, Writing - review & editing. The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Does seeding layers engineering enhance the recoverable energy storage density and piezoelectric response?

Xie, Z. et al. Large enhancement of the recoverable energy storage density and piezoelectric response in relaxor-ferroelectric capacitors by utilizing the seeding layers engineering. Appl.

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