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"A new battery technology has been developed that delivers significantly higher energy storage--enough to alleviate EV range concerns--while lowering the risk of thermal ...

Berkeley Lab's contributions to ESRA include world-leading energy storage research expertise and capabilities, such as the Advanced Light Source. (Credit: Marilyn ...

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids. Replacing fossil ...

NLR's multidisciplinary research, development, demonstration, and deployment drives technological innovation and commercialization of integrated energy conversion and ...

Efficient and durable energy storage is vital for renewable integration. Here, the authors design an aqueous iron-cerium redox flow battery using a universal complexing agent ...

Energy storage technology is key to securing energy dominance and bolstering national security. Advances by this NSF Engine will be essential to ensuring that transition is ...

The energy storage industry walked a bumpy road in 2025, but eyes are turning toward 2026's tech stack. While lithium-ion remains dominant, pressure is building for longer ...

Argonne advances battery breakthroughs at every stage in the energy storage lifecycle, from discovering substitutes for critical materials to pioneering new real-world ...

From iron-air batteries to molten salt storage, a new wave of energy storage innovation is unlocking long-duration, low-cost resilience for tomorrow's grid.

By advancing renewable energy and energy storage technologies, this research ultimately aims to contribute to a sustainable and reliable energy future where climate change ...

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