



New Energy Storage Research

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NLR researchers are designing transformative energy storage solutions with the flexibility to respond to changing conditions, emergencies, and growing energy demands--ensuring energy is ...

Energy storage offers an exciting opportunity to increase energy affordability, improve energy security, and usher in a new chapter in grid modernization. PNNL accelerates grid-scale energy storage ...

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

By the end of December 2025, China's cumulative installed capacity of new energy storage technologies including lithium-ion reached 144.7GW, representing an 85% year-on-year rise.

Engineers rely on computational tools to develop new energy storage technologies, which are critical for capitalizing on sustainable energy sources and powering electric vehicles and other ...

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

US energy storage installations reached new heights with 5.3 GW installed and positive five-year growth projections. Delivered quarterly, the US Energy Storage Monitor from the American ...

High-energy lithium-ion systems, quasi-solid-state configurations and sodium-ion batteries were among the main strategies pursued in 2025 to achieve that goal. The importance of ...

These future-looking innovations position reduced-field solid-state NMR as an essential technique for shaping new research into sustainable, high-performance and recyclable energy ...

Thermal energy storage (TES) technologies are emerging as key enablers of sustainable energy systems by



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providing flexibility and efficiency in managing thermal resources across diverse ...

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