

Global battery research is redefining energy storage through new chemistries, safer designs, and scalable technologies worldwide.

By bridging the gap between academic research and real-world implementation, this review underscores the critical role of lithium-ion batteries in achieving decarbonization, integrating ...

A boom in battery storage has bolstered the demand outlook for lithium in 2026, driving hopes for an accelerated turnaround for an industry struggling with oversupply.

How does lithium mining support sustainable energy systems? Lithium mining provides essential materials for LiFePO₄ and NMC Lithium batteries, which power renewable energy storage, ...

Breakthroughs in battery technology are transforming the global energy landscape, fueling the transition to clean energy and reshaping industries from transportation to utilities.

Direct lithium extraction and direct lithium to product offer significant promise of increasing lithium supply, reducing the industry's environmental, social, and governance footprint, and lowering costs.

Global demand for energy storage is surging. Lithium-ion leads today, but new contenders like sodium-ion, flow, and gravity systems are shaping the future grid.

Discover Lithium Harvest's insights on the future of lithium, from its pivotal role in electric vehicles to renewable energy storage systems.

A lithium-ion battery production line in Yongkang, China on Nov. 11, 2025. Lithium is a key mineral to make batteries for consumer electronics, electric vehicles and grid storage. (China Daily ...

The demand for lithium (Li) for batteries has risen sharply. This review discusses Li resources (igneous rocks, clays, brines), production methods, and Li recycling from spent batteries.

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