

The battery industry moves at a fast pace: The articles Battery Technology publishes represent only a fraction of what's happening in this quickly evolving industry. That's the idea behind this curated and regularly updated ...

Two projects led by the University of Oxford have received a major funding boost from the Faraday Institution, the UK's flagship institute for electrochemical energy storage research. The funding is part of a £19 million ...

Bluetooth Lithium Battery Explained: Benefits, Applications, and the Role of Smart BMS The Bluetooth lithium battery has become a contemporary power source for a variety of consumer, ...

Lithium-ion technology offers a smarter, more sustainable alternative. Li-ion batteries deliver up to three times the service life of conventional systems, require no maintenance, and eliminate the ...

In a major step forward for sustainable energy technology, researchers at Worcester Polytechnic Institute (WPI), led by Professor Yan Wang, William B. Smith Professor of Mechanical and ...

A team of Chinese researchers has made a groundbreaking breakthrough to revive aging lithium batteries by injecting a "shot" of lithium ions, potentially extending their lifespan from the typical 6-8 years or 1,000-1,500 ...

A research team in South Korea has developed a breakthrough transfer printing technology that forms protective thin layers on lithium metal surfaces--an innovation poised to solve the long-standing dendrite issue plaguing next ...

An Investment in Sustainability & Profitability Lithium Battery Recycling Machine Cost represents a significant but increasingly essential investment driven by the surge in EV battery waste, ...

The new generation of battery technology is central to China's success in building electric cars that are considerably cheaper than electric and gasoline-powered cars made in other countries.

This study assesses the material, environmental, and economic performance of closed-loop lithium-ion battery (LIB) recycling amid China's electric vehicle ambitions, indicating that a ...

Anwa officials also stated the batteries have passed a stringent new safety standard referred to as "No Fire No Explosion," directly addressing one of the major concerns associated with current ...



Asuncion lithium-ion battery technology

Advancements in battery technology and supportive policies help reduce emissions and promote energy efficiency, significantly impacting global EV adoption. This paper explores the material ...

It marked the first successful application of transfer printing in lithium-metal battery protection--and it worked spectacularly. In earlier tests, the alumina-gold layer kept dendrites ...

Kalmar has introduced its second-generation lithium-ion (Li-ion) battery solution for its range of electrically powered counter balanced equipment: reachstackers, empty container handlers ...

Tesla is once again making headlines with its innovative approach to electric vehicle (EV) battery technology. The introduction of Tesla's new lithium-iron-phosphate (LFP) battery tech marks a ...

Octillion Power Systems, a California-based supplier of high-density lithium-ion battery packs for electric vehicles of all types, has expanded its existing partnership with Vision Marine ...



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