

Safer, long-lasting lithium battery built with breakthrough method to boost EV efficiency FCG cathodes are synthesized via a coprecipitation method involving two tanks of metal precursor...

Safety Enhancements High Energy Density Opting for lithium batteries not only ensures exceptional backup performance but also supports a more sustainable and efficient approach to energy storage and usage. By ...

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 ...

This initiative is part of the £2.5 billion DRIVE35 programme supporting UK EV manufacturing supply chain and creating jobs in a sustainable industry. Clean tech innovator Mint Innovation ...

Sodium is more than 500 times more abundant than lithium, which is available in a few countries. Sodium-ion battery charges faster than lithium-ion variants and have a three times higher lifecycle. However, sodium-ion ...

The demand for lithium-ion batteries is projected to grow significantly, driven by applications in EVs, BESS, and consumer electronics. The market is expected to expand from approximately ...

Once completed, the plant is expected to produce 10 gigawatt-hours, or GWh, of lithium-ion battery packs and 40 GWh of lithiumion battery cells. Dan Seals, CEO of Intersect Illinois, an economic development organization, said ...

The majority of the world's rechargeable batteries are now made using lithium-ion. Most rely on a combination of different rare earth metals such as cobalt or nickel for their electrodes. But ...

MP's Rescue; Lithium Battery Technology Added to China's Catalogue of Technologies Restricted from Export; SRC, St George, Solvay and the lot. On 5 January 2025 we reported MOFCOM's ...

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 ...

Nextrode - Lithium ion battery electrode manufacturing Nextrode researchers are developing new tools, including pre-production design and manufacturing simulation, process diagnostics, and feedback control, to ...



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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 ...

DRX cathode milestone brings most scalable cobalt-free lithium-ion battery to life DRX cathode materials, once unstable, are now battery-ready thanks to a two-step molten salt synthesis ...

Graphene batteries and lithium-ion batteries are two of the most talked-about technologies in the energy storage industry. Both have their own unique properties and advantages, but which one is better? In this article, I will ...



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