
Lithium-based flow battery

The Top 10 Emerging Technologies of 2025 report highlights 10 innovations with the potential to reshape industries and societies.

Critical minerals like lithium, cobalt and rare earth elements are fundamental to technologies such as electric vehicles, wind turbines and solar panels, making them ...

The shift to electric vehicles and renewable energy means the demand for lithium ion batteries and the metals they are made from is set to increase rapidly. But at what cost?

Also known as the 'white gold' of the energy transition, Lithium is one of the main ingredients in battery storage technology, powering zero-emission vehicles and storing wind ...

Too many lithium-ion batteries are not recycled, wasting valuable materials that could make electric vehicles more sustainable and affordable. There is strong potential for the ...

Lithium is a lightweight metal used in the cathodes of lithium-ion batteries, which power electric vehicles. The need for lithium has increased significantly due to the growing ...

Around 60% of identified lithium is found in Latin America, with Bolivia, Argentina and Chile making up the 'lithium triangle'. Demand for lithium is predicted to grow 40-fold in the ...

The main difference is the energy density. You can put more energy into a lithium-Ion battery than lead acid batteries, and they last much longer. That's why lithium-Ion batteries ...

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