Lithium-ion flow battery

Lithium is one of the key components in electric vehicle (EV) batteries, but global supplies are under strain because of rising EV demand. The world could face lithium ...

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 ...

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

Lithium-ion batteries are coming under scrutiny after causing a series of fires. The US gets most of its lithium-ion batteries from China, and also sources large volumes from ...

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 ...

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?

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