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New batteries to replace energy storage



Overview

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AI is helping scientists crack the code on next-gen batteries that could replace lithium-ion tech. By discovering novel porous materials, researchers may have paved the way for more powerful and sustainable energy storage using abundant elements like magnesium. A dual-AI system has uncovered five.

Researchers have unveiled a new theoretical framework for creating a “topological quantum battery,” a futuristic energy device that could store and transfer power with near-perfect efficiency. Credit: SciTechDaily.com
Scientists have designed a topological quantum battery that can charge.

Researchers have created a more energy dense storage material for iron-based batteries. The breakthrough could also improve applications in MRI technology and magnetic levitation. When three becomes five. Eder Lomeli, Edward Mu, and Hari Ramachandran (front row, from left) led an international team.

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