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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, ...

AI just helped scientists find five new materials that might outperform lithium in future batteries. These discoveries could enable cheaper, safer, and ...

With a focus on next-generation lithium ion and lithium metal batteries, we briefly review challenges and opportunities in scaling up lithium-based battery materials and components to...

In this article, we will explore cutting-edge new battery technologies that hold the potential to reshape energy systems, drive sustainability, and ...

In this review, we explore the critical challenges faced by each component of lithium-ion batteries (LIBs), including anode materials, cathode active materials, ...

Future trends focus on sustainable materials and decarbonization efforts. Lithium-ion batteries are pivotal in modern energy storage, driving advancements in consumer electronics, ...

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