

Title: Platinum catalysis for energy storage batteries

Generated on: 2026-03-23 12:49:03

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Efficient and robust platinum-carbon electrocatalysts are of great significance for long-term service of high-performance Li-O₂ batteries. Herein we developed an ultra-low ...

Storing renewable energy as hydrogen could soon become much easier thanks to a new catalyst based on single atoms of platinum. The new catalyst, designed by researchers ...

Despite the extensive exploration of various catalytic materials, platinum (Pt)-based electrocatalysts continue to excel due to their unparalleled comprehensive properties.

For years, choices of catalyst for metal air batteries and fuel cells have been limited. With most catalysts suffering from slow oxidation reactions, we've been forced to resort to expensive ...

This Perspective emphasizes catalysis in battery studies with the aim of inspiring distinctive ideas and directions for the future ...

Tailoring platinum-based catalysts is of great research interest in the fields of electrochemical energy conversion and storage, as well as other applications. Now, an approach has been...

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