

Title: Perovskite batteries for energy storage

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Developing efficient cathode catalysts is pivotal for advancing vanadium redox flow batteries (VRFBs). This study compares hydrothermal (H-NdFeO<sub>3</sub>@GF) and sol-gel (SG ...

This review summarizes recent and ongoing research in the realm of perovskite and halide perovskite materials for potential use in energy storage, including batteries and ...

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In this study, we present photoactive electrodes consisting of lead-free bismuth-based hybrid perovskite that combine the dual functions of photovoltaic conversion and energy ...

Here we demonstrate that organic-inorganic hybrid perovskites can both generate and store energy in a rechargeable device termed a photobattery. This photobattery relies on highly ...

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