

Title: Amorphous electrochemical energy storage

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AC-HNMs leverage synergistic interactions between their amorphous and crystalline phases, along with abundant interface effects, which enhance capacity output and accelerate mass ...

This is a comprehensive review of amorphous/crystalline heterostructured nanomaterials (AC-HNMs), highlighting their synthesis strategies and applications in electrochemical energy storage devices, ...

Advances in electrolyte development have further unlocked the electrochemical potential of NIB cathodes, allowing them to approach their intrinsic energy storage properties.

Amorphous-material-based electrodes with high performance for a series of energy storage and conversion technologies are highlighted, and the underlying electrochemical energy ...

This review covers the advantages and features of amorphous materials, the synthesis strategies to prepare amorphous materials, as well as the application and modification of amorphous electrodes in ...

Amorphous nanomaterials have emerged as potential candidates for energy storage and conversion owing to their amazing physicochemical properties. Recent studies have proved that the ...

Recently, amorphous materials have attracted a lot of attention due to their more defects and structure flexibility, opening up a new way for electrochemical energy storage. In this perspective, we ...

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