

Title: Small energy storage device chemistry

Generated on: 2026-03-14 11:23:05

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In this Review, we discuss the roles of anion chemistry across various energy storage devices and clarify the correlations between anion properties and their performance indexes.

As well as the intrinsic electrochemical performance of different chemistries, it is important to consider device energy densities in existing embodiments and projected to future embodiments that might be ...

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This review elaborates the current challenges and future perspectives of energy storage microdevices.

Chemical Energy Storage systems, including hydrogen storage and power-to-fuel strategies, enable long-term energy retention and efficient use, ...

In such flexible and portable devices, semi-solid/solid electrolytes besides anodes and cathodes are the necessary components determining the energy/power performances.

This review is intended to provide strategies for the design of components in flexible energy storage devices (electrode materials, gel ...

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