

Title: High-performance energy storage device

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Here we consider the pulse oximeter as an example wearable electronic load and design a flexible high-performance energy harvesting and storage system to meet its power requirements.

Recent advances in smart electronic devices have spurred a corresponding increase in the use of supercapacitors. A supercapacitor is a promising energy ...

The findings presented in this study demonstrate the efficacy of using composites consisting of carbon nanotubes (CNTs) and metal sulfides for the fabrication of high-performance ...

Development of cost-effective and environmental friendly energy storage devices (ESDs) has attracted widespread attention in recent scenario of energy research.

Tremendous efforts have been dedicated into the development of high-performance energy storage devices with nanoscale design and hybrid approaches. The boundary between the ...

Recent advancements and research have focused on high-power storage technologies, including supercapacitors, superconducting magnetic ...

In pursuing higher energy density with no sacrifice of power density, a supercapacitor-battery hybrid energy storage device--combining an ...

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