

Abstract Plastic pollution is triggering a global environmental crisis, prompting incremental efforts in recycling and upcycling to unlock the hidden value. Converting plastic ...

The disposal/recycling of plastic materials are one of the biggest challenges of 21st century. Some studies have been reported in recent past on recycling of thermoplastics ...

In the present review, the status quo on sustainable recycling routes to transform plastic waste into carbonaceous nanostructures for energy storage applications is reviewed ...

This study realizes the integration of a TENG and energy storage devices, and as a TENG is based entirely on waste plastic bags, it not only realizes the recycling of plastics ...

Nonrecyclable plastic waste is transformed into a valuable porous carbon material for energy storage devices. By fine-tuning the synthesis process, the carbon material's unique ...

The Internet of Thing concept and current demand for wireless sensor networks require the application of efficient devices with energy storage being key to their functionality. ...



Plastic recycling and energy storage device

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