

The increasing demand for cost-effective materials for energy storage devices has prompted investigations into diverse waste derived electrode materials for supercapacitors ...

However, to use waste efficiently, it is necessary to examine the supply chain of wastes as a source of materials with potential to generate energy. Such an examination can ...

By significantly enhancing energy recovery from plastic waste, this approach not only mitigates environmental pollution but also offers a competitive edge over existing waste-to ...

Converting plastic waste into value-added carbon-based materials provides attractive options for electrochemical energy applications. This review initially summarizes the ...

By converting municipal and industrial waste into usable energy--typically electricity, heat, or fuel--WtE offers a dual benefit: it reduces the volume of waste while simultaneously ...

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