

Preparation and Characterization of a Ni-Co-Ce Coordination Framework Coated Nickel Foam Electrode for Supercapacitor Applications

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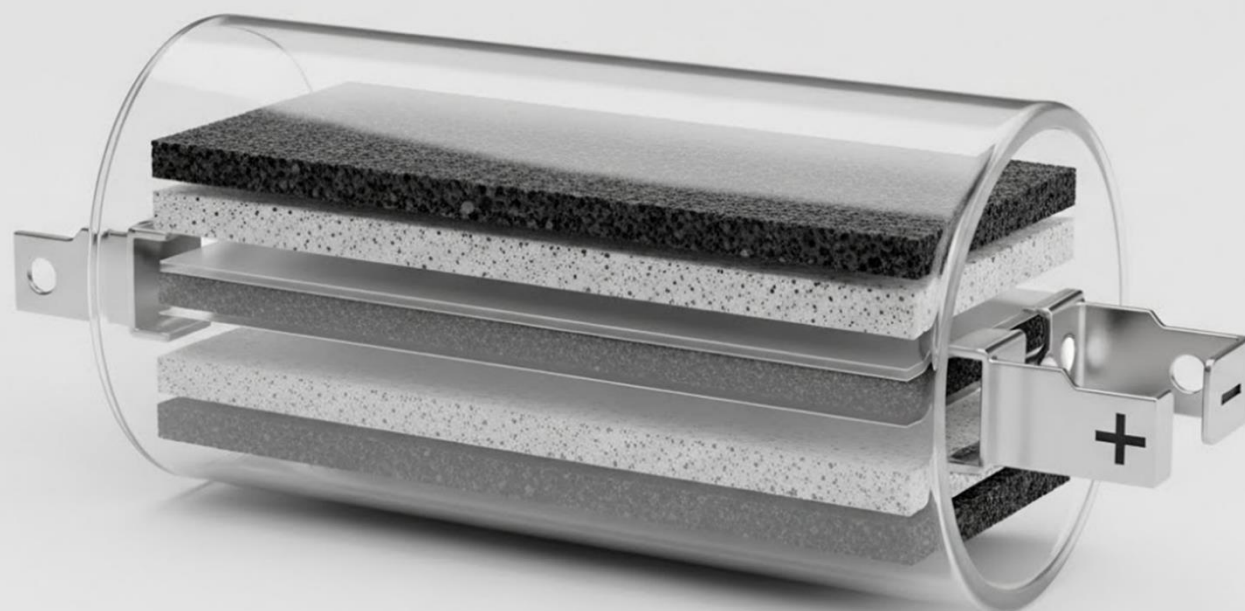
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Editor's note: The performance of supercapacitors is heavily influenced by the electrode materials used. These materials should exhibit excellent electrical conductivity, a large surface area, and a high number of electroactive sites. Borhani et al. reported the synthesis of a trimetallic Ni-Co-Ce coordination compound using a hydrothermal synthesis method, which serves as a coating for nickel foam-based electrodes in supercapacitors. This new coating demonstrated stable electrochemical performance, achieving an increase in specific capacitance from 0.74 F/g to 2.6 F/g over multiple cycles.

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