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Communication

Analysis of graphene-like activated carbon derived from rice straw for application in supercapacitor

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Graphical Abstract

Analysis of graphene-like activated carbon derived from rice straw for application in supercapacitor

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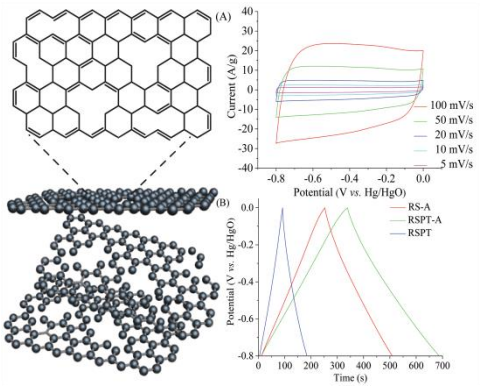

Activated carbons with large surface area, abundant microporosity and low cost are the most commonly used electrode materials for energy storage devices. A very slack activated carbon with ultra-thin two-dimensional (2D) layer structure was prepared by our proposed approach in this work, which includes a pre-treatment process and potassium hydroxide activation at high temperatures.

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