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Facile Fabrication of Porous Carbon Microtube with Surrounding Carbon Skeleton for Long-life Electrochemical Capacitive Energy Storage

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ABSTRACT: In this report, a hierarchical porous carbon microtubes (CMTs) coated by carbon skeleton was prepared simply and the better role of carbon skeleton in increasing the capacity of CMTs was also investigated. SEM, XRD and XPS were used to character the morphology, crystal structure and the functional group of CMTs and CMTs-coated carbon skeleton. Electrochemistry of materials was conducted by CV and constant-current techniques. The results show that the carbon skeleton

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