Supporting Information

Electrochemical capacitance properties of pre-sodiated manganese oxide for aqueous Na-ion supercapacitors

Aneesh Anand Nechikott and Prasant Kumar Nayak

Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur-603203, India



Figure S1. (a) Cyclic voltammograms of activated carbon electrode in different potential ranges, (b) cyclic voltammograms of activated carbon at different scan rates in 0- (-0.8) V, (c) charge-discharge voltage profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} , (d) charge-discharge profile of activated carbon at 0.5 A g^{-1} .



Figure

S2.

Galvanostatic charge-discharge cycles of (a) $Na_{2/3}MnO_2$ and (b) Activated Carbon electrodes (4 cm x 4 cm) at a specific current of 0.2 A g⁻¹ in an aqueous solution of 1.0 M Na_2SO_4 .