

Supporting Information

Enhanced capacitive desalination of MnO₂ by forming composite with multi-walled carbon nanotubes

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The pristine δ -MnO₂ was prepared as follows. First, 100 mL of 0.1 mol/L MnSO₄ solution was mixed with 100 mL of 0.1 mol/L (NH₄)₂S₂O₈ solution. Upon stirring this solution at room temperature, 50 ml of 1 mol/L NaOH solution was added dropwise, and a dark brown precipitate was immediately formed. Finally, the product was filtered and washed thoroughly with deionized water followed by drying at 80 °C overnight.