

Electronic Supporting Information for

Effects of zinc and manganese ions in aqueous electrolytes on structure and electrochemical performance of $\text{Na}_{0.44}\text{MnO}_2$ cathode material

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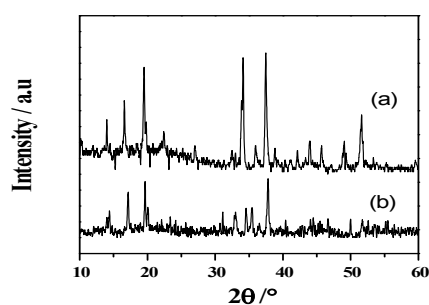


Figure S1 XRD patterns of the $\text{Na}_{0.44}\text{MnO}_2$ electrode at the original state (a) and at the discharge state after 20 cycles (b) at the current density of 100mA/g in 1 M Na_2SO_4 + 0.5M ZnSO_4 mixed aqueous electrolytes.

The XRD pattern of the $\text{Na}_{0.44}\text{MnO}_2$ electrode after 20 cycles at the current density of 100mA/g in 1 M Na_2SO_4 + 0.5M ZnSO_4 mixed aqueous electrolytes was shown in the Figure S1. As can be seen, some characteristic diffraction peaks of $\text{Na}_{0.44}\text{MnO}_2$ are evidently weakened, indicative of a great change in the crystal structure of $\text{Na}_{0.44}\text{MnO}_2$.