

Supporting Information for

NaV₃O₈ Nanosheets@Polypyrrole Core-Shell Composites with Good Electrochemical Performance as Cathode for Na-Ion Batteries

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Supplementary Figures

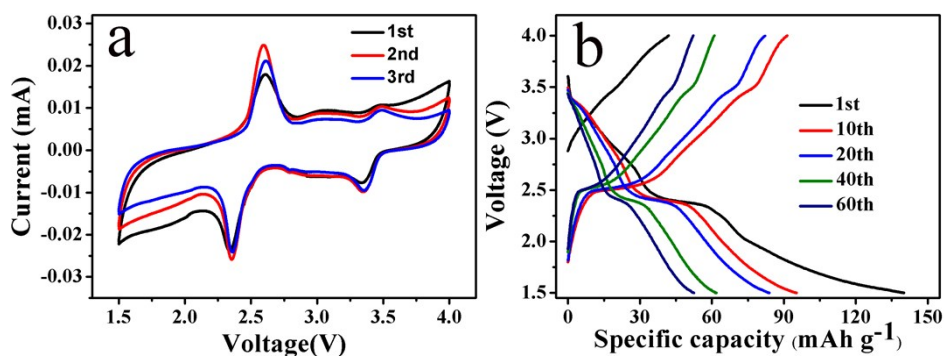


Fig. S1 (a) CV curves of the bare NaV₃O₈ electrode for the first 3 cycles at a scan rate of 0.1 mV s⁻¹ between 1.5 V and 4.0 V (b) Charge/discharge profiles of the selected cycles for NaV₃O₈ at 80 mA g⁻¹

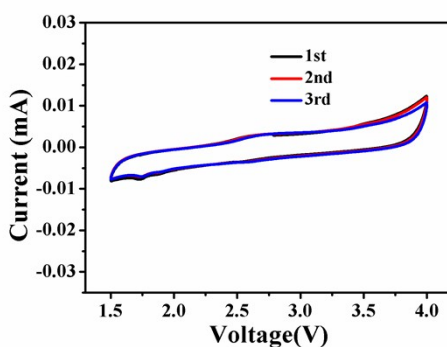


Fig. S2 CV curves of the pure PPy electrode for the first 3 cycles at a scan rate of 0.1 mV s⁻¹ between 1.5 V and 4.0 V.

The CV curves of pure PPy shows no sharp peaks except for a pair of little peaks located at 2.65 V (anodic) and 1.73 (cathodic). This pair of peaks can be attributed to the insertion/extraction of a little amount of Na⁺. In the CV curves of NaV₃O₈@10% PPy composite, the little peaks of PPy are concealed by the overlap of electrochemical sodium storage in NaV₃O₈@10% PPy composite.