

Supporting information

Synthesis of LiV_3O_8 nanosheets as a high-rate cathode material for rechargeable lithium batteries

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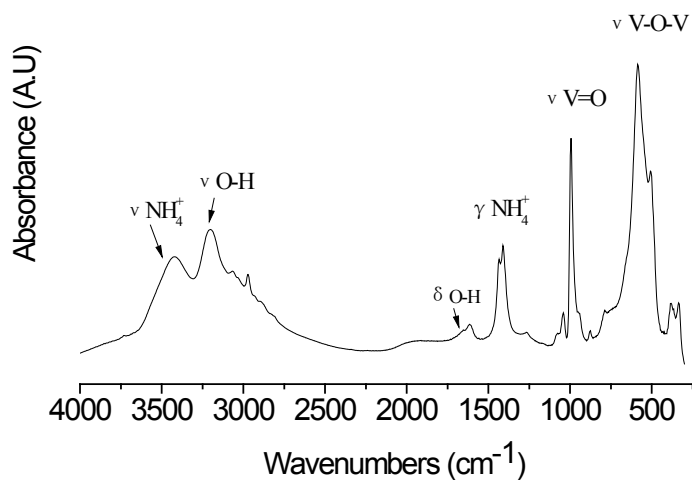


Fig. S1 FT-IR of the as-prepared $(\text{NH}_4)_{0.5}\text{V}_2\text{O}_5$

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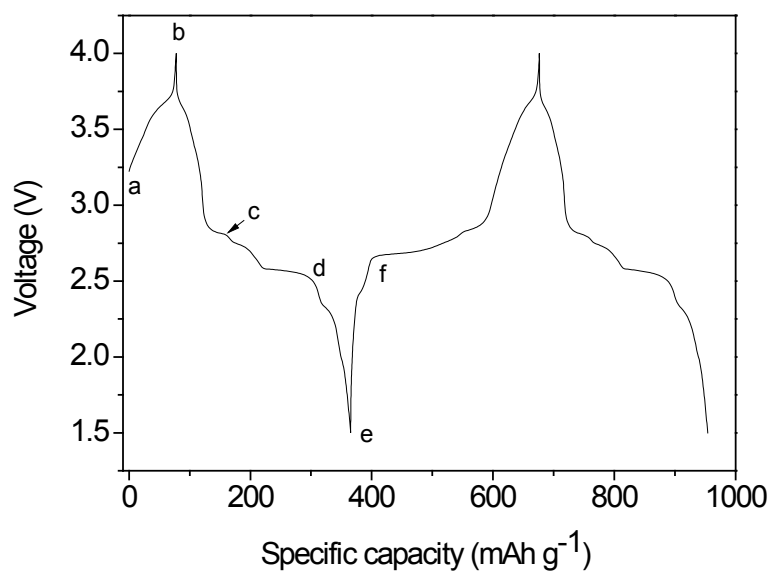


Fig. S2 The first two charge-discharge curves of LiV_3O_8 electrode between 1.8 and 4.0 V; The inset symbols of a-e depict different charge status: (a) no cycling; (b) charge to 4.0 V; (c) discharge to 2.8 V at the 1st cycle; (d) discharge to 2.5 V at the 1st cycle; (e) discharge to 1.5 V at the 1st cycle; (f) charge to 2.5 V at the 2nd cycle.