Supporting information

Synthesis of LiV$_3$O$_8$ nanosheets as a high-rate cathode material for rechargeable lithium batteries

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Fig. S1 FT-IR of the as-prepared (NH$_4$)$_0.5$V$_2$O$_5$
Fig. S2 The first two charge-discharge curves of LiV$_3$O$_8$ 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.