Supporting Information

Improved Electrochemical Performance of Spinel LiMn$_{1.5}$Ni$_{0.5}$O$_4$

through MgF$_2$ Nano-coating

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Fig. S1. Raman spectra of the pristine and MgF$_2$-coated LMNO.
Fig. S2. XPS spectra of pristine and 5 wt.% MgF$_2$-coated LMNO. (a) Mg 2p; (b) F 1s.
Fig. S3. DSC traces of the pristine and 5 wt.% MgF$_2$-coated LMNO electrodes at charged state of 4.9 V.