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Supporting Information:



Fig. S1 (a) XRD pattern, (b) SEM and (c) FESEM micrographs of the as-prepared MnCO₃.



Fig.S2 Nitrogen adsorption-desorption isotherm of the Co₃O₄@Li₂MnO₃ composite.



Fig. S3 XPS spectra of the Co₃O₄@Li₂MnO₃ composite obtained at different charge/discharge states.



Fig. S4 Charge/discharge curves of Li₂MnO₃ coated by low amount of Co₃O₄: (a) 4.6 wt% Co₃O₄ and (b) 10.1%Co₃O₄.