Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

A Simple Synthesis of Hollow Mn_2O_3 Core-shell Microspheres and Its Application in Lithium Ion Batteries

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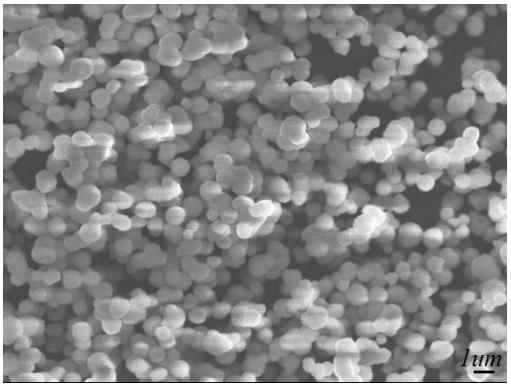

Fig. S1 A low-magnification SEM image of $MnCO_3$ precursor.

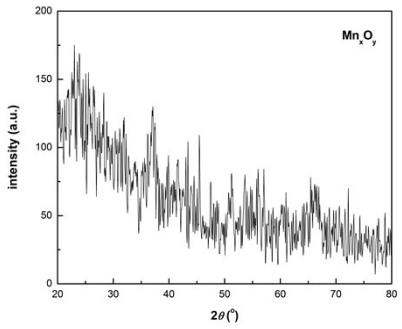

Fig. S2 XRD patterns of amorphous Mn_xO_y

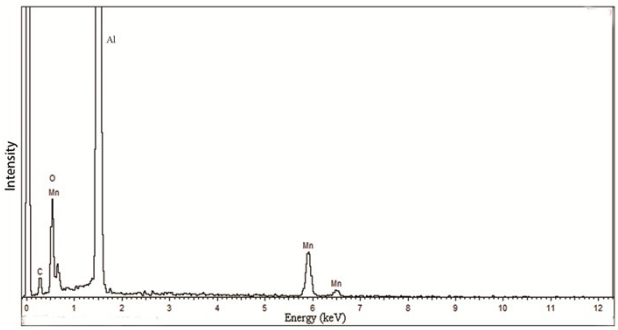

Fig. S3 EDS spectrum of amorphous Mn_xO_y

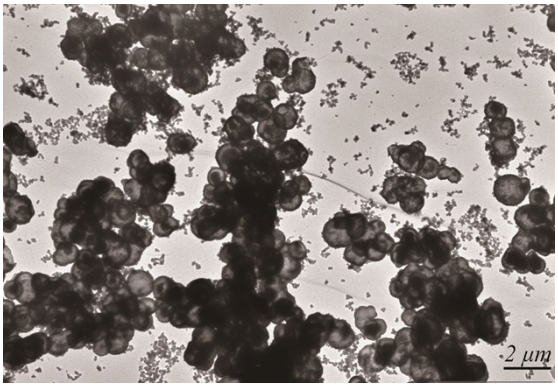

Fig. S4 TEM image of the manganese oxide before calcination

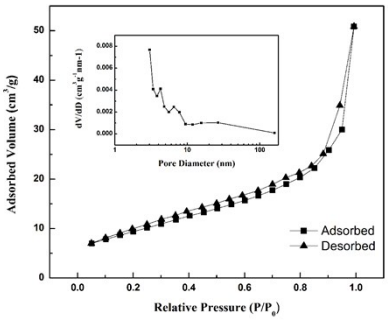

Fig. S5 Nitrogen adsorption-desorption isotherms and the corresponding pore size distribution of Mn_2O_3 samples

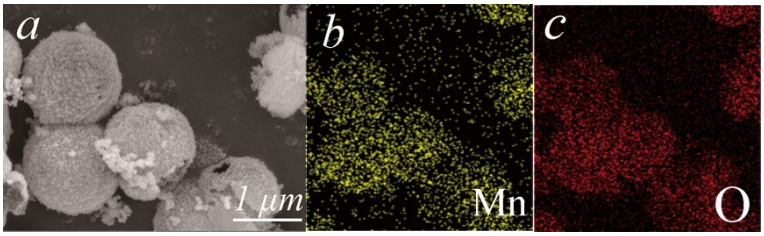

Fig. S6 (a) SEM image. (b) Mn, and (c) O elemental mapping images of pure Mn_2O_3 microsphere