Support Information

Synthesis MnO@C core-shell nanoplates with controllable shell thickness and their electrochemical performance for lithium-ion batteries

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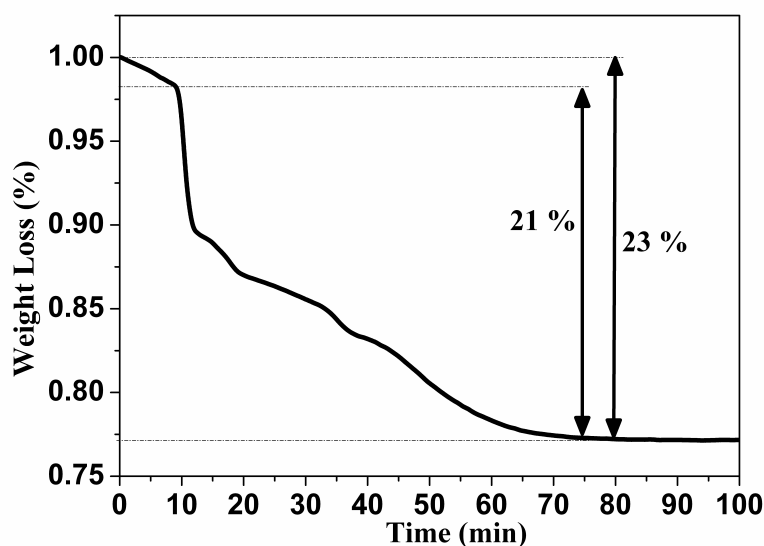[c] *Jiangsu Highstar Battery Manufacturing CO., LTD.*

Fig. 1 The TGA curve of the precursor $Mn(OH)_2$ plates under the hydrogen condition.
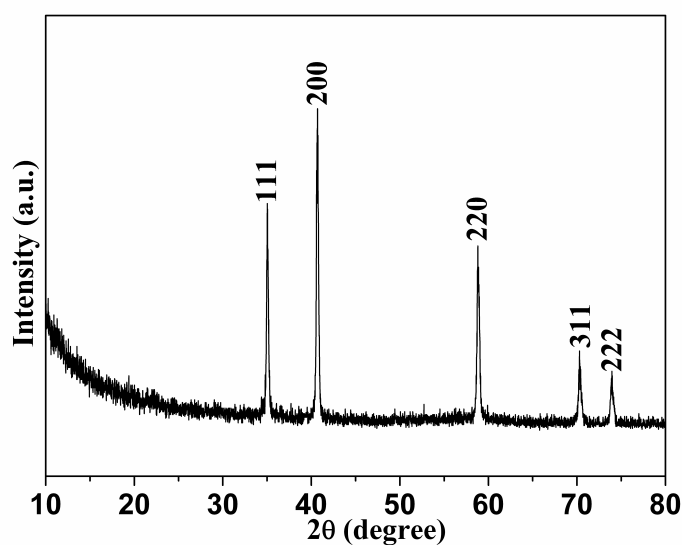
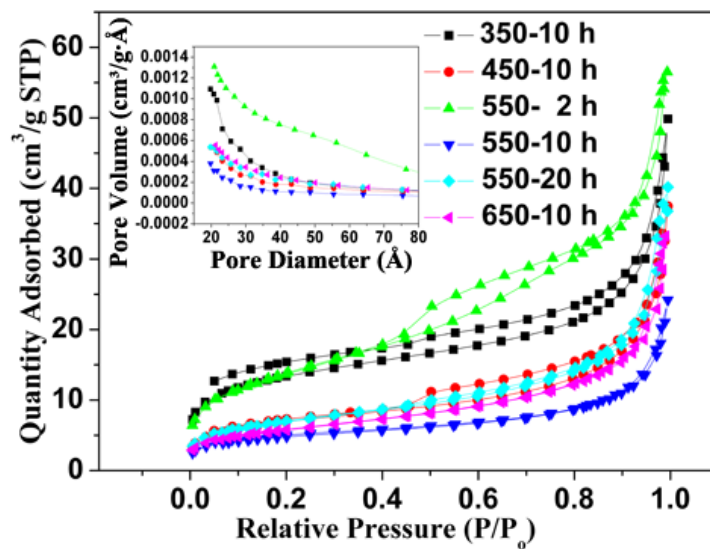Fig. 2 The XRD pattern of the product after testing the TGA.

Fig. 3 N_2 adsorption–desorption isotherms and pore diameter distributions curves (inset) of MnO@C samples produced by calcining the precursory $Mn(OH)_2$ nanoplates in acetylene at different conditions.