

Supporting Information 1 Available

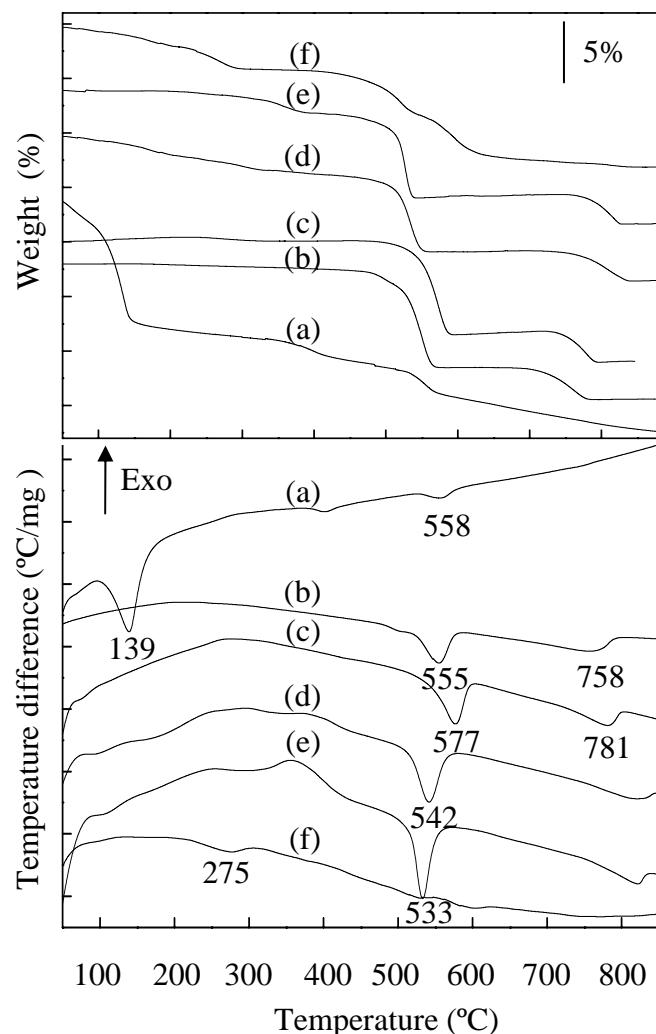


Figure 1s. TGA-DSC curves of the precursor and prepared samples: (a) precursor Na-BirMO; (b, c) tetragonous and semi-tubular pyrolusite- MnO_2 ; (d) ramsdellite- MnO_2 nanorolls; (e) ramsdellite- MnO_2 microspheres; (f) spindly nanowires bundles of birnessite-related manganese oxide.

Supporting Information 2 Available

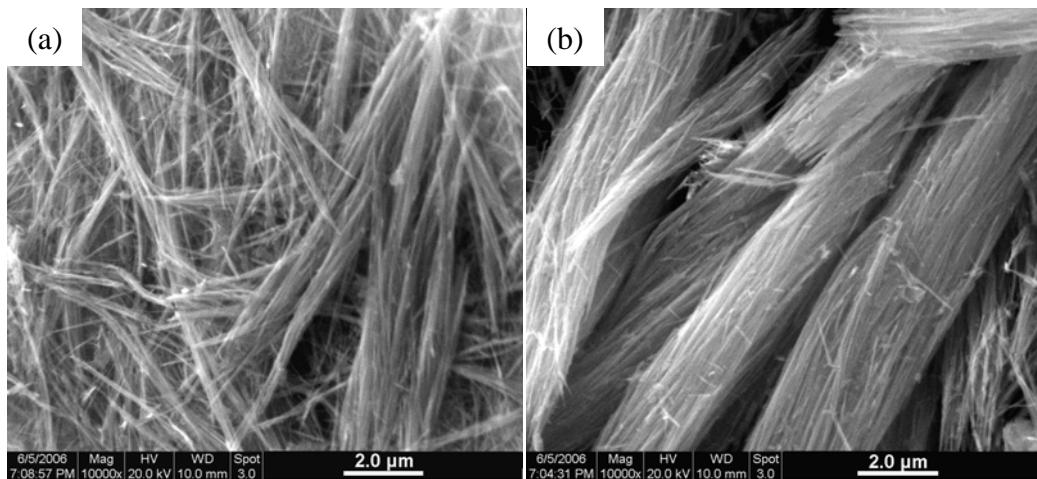


Figure 2s. SEM images of spindly manganese oxide nanowire bundles at different stages: (a) hydrothermal treatment at 180 °C for one day and (b) hydrothermal treatment at 180 °C for two days.