Supplementary information

Unexpected Large Capacity of Ultrafine Manganese Oxide as Sodium-Ion Battery Anode

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Figure S1. Low magnification micrographs of (a) the SiO_2 template particle; (b) MnO_2/SiO_2 composite particles after etching.



Figure S2. Ex-situ XRD study on electrodes discharged to potentials below 1.0 V (curves 1 and 2) shows no crystalline refection, indicating that birnessite turned into

amorphous phases upon the first sodiation cycle.