

Supporting Information

Porous manganese oxide generated from lithiation/delithiation with improved electrochemical oxidation for supercapacitors

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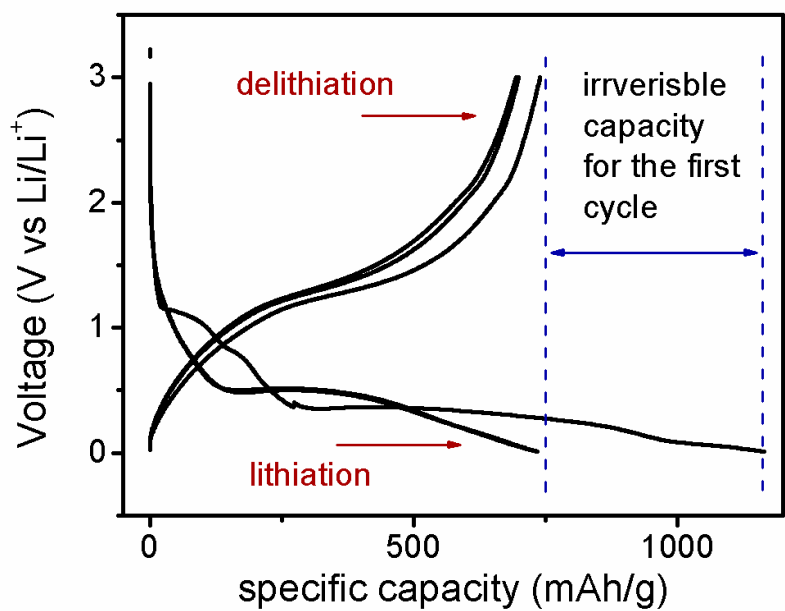


Fig. S1. Three cycles charge/discharge curves of a Mn_3O_4 thin film sample for the lithiation/delithiaion process.

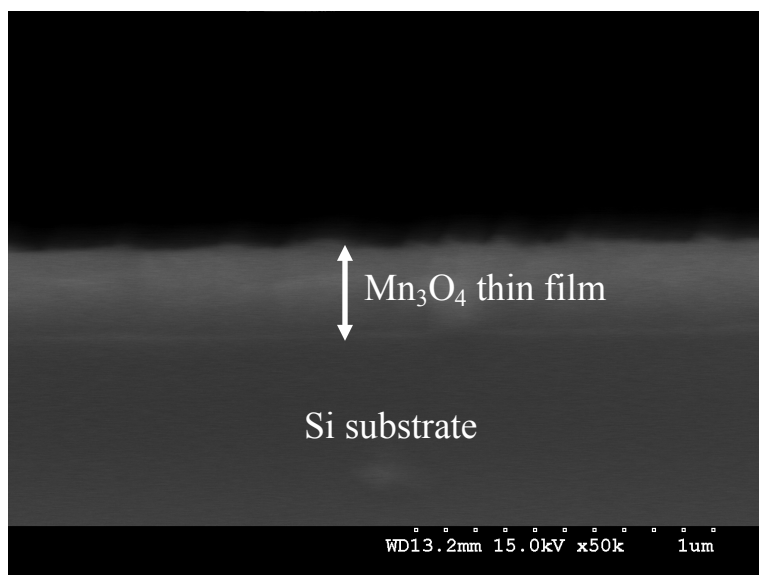


Fig. S2. Cross-section FESEM image of a Mn_3O_4 thin film deposited on a Si substrate by PLD.

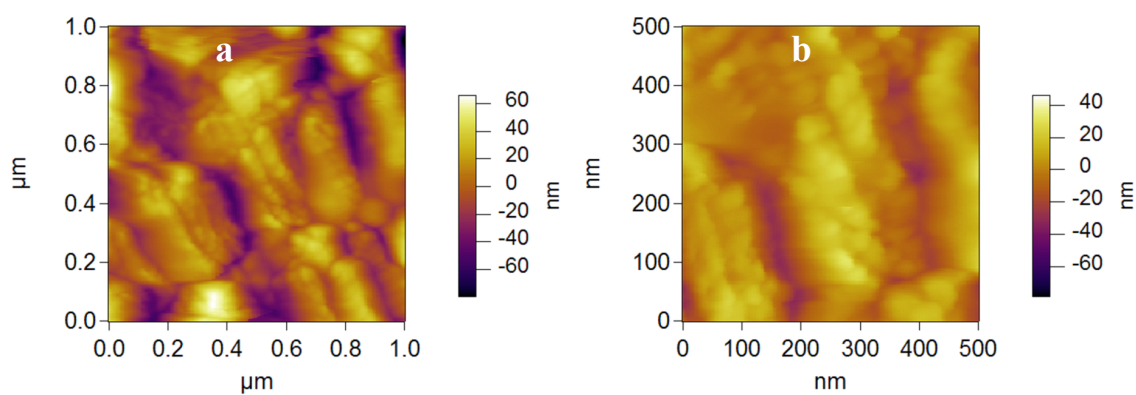


Fig. S3. (a) and (b) AFM images of the MnO_x thin film sample.

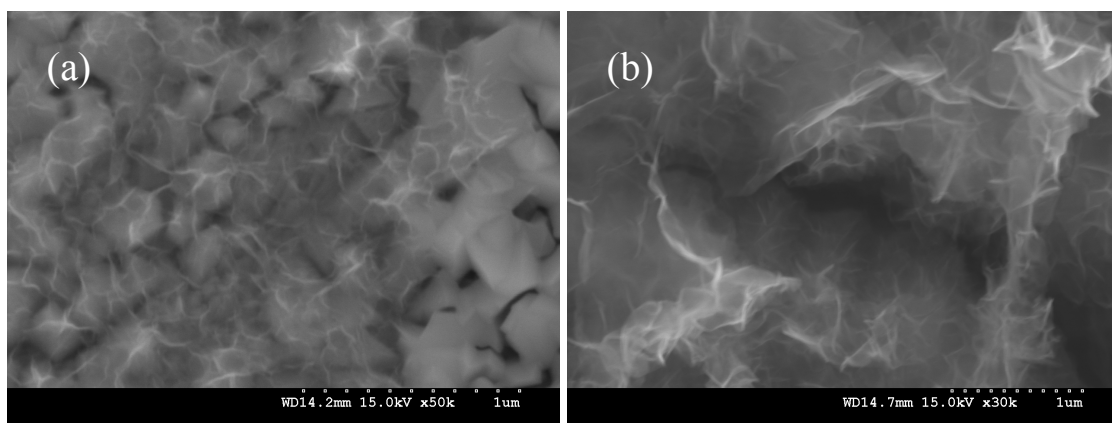


Fig. S4. (a) High magnification FESEM image of a Mn_3O_4 thin film after potential scans.
(b) High magnification FESEM image of a nanoporous MnO_x thin film after potential scans.