

Supporting information

Electrochemical and Structural Characterization of Lithiation in Spray Deposited Ordered Mesoporous Titania as Anode for Li Ion Batteries

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1. TEM Images
2. XRD Pattern
3. Electrochemical Impedance Spectroscopy
4. Nitrogen Sorption Analysis

1. TEM images

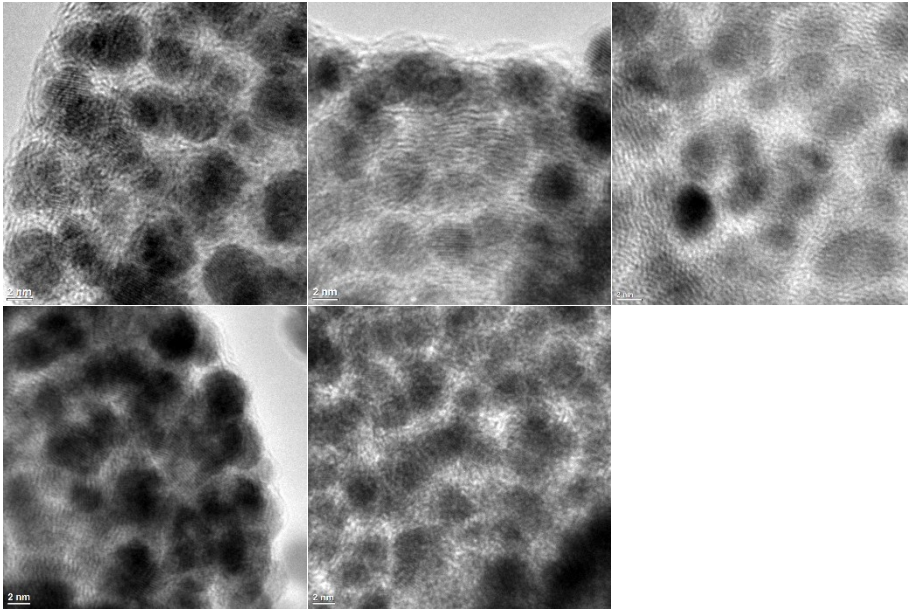


Figure S1. TEM images of the mesoporous titania electrode cycled to 1.0 V.

2. XRD Pattern

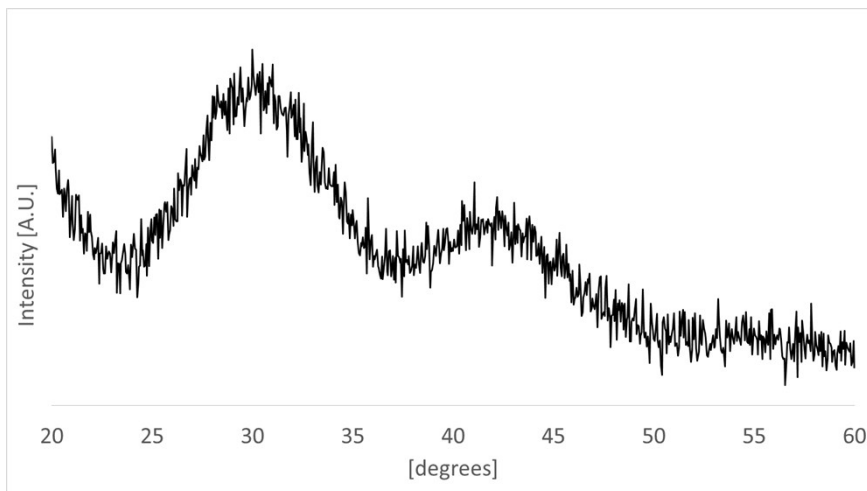


Figure S2. X-ray diffractogram of the spray deposited mesoporous titania.

3. Electrochemical Impedance Spectroscopy

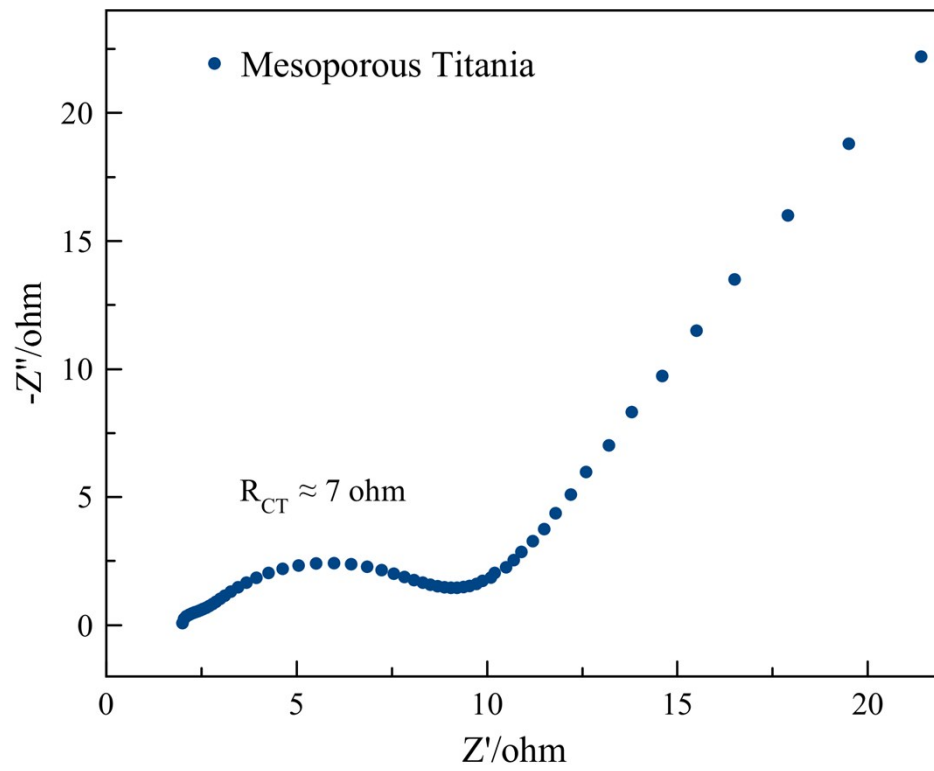


Figure S3. EIS spectrum of the titania electrode measured in the 3-electrode configuration with Li foil as reference electrode.

4. Nitrogen sorption analysis

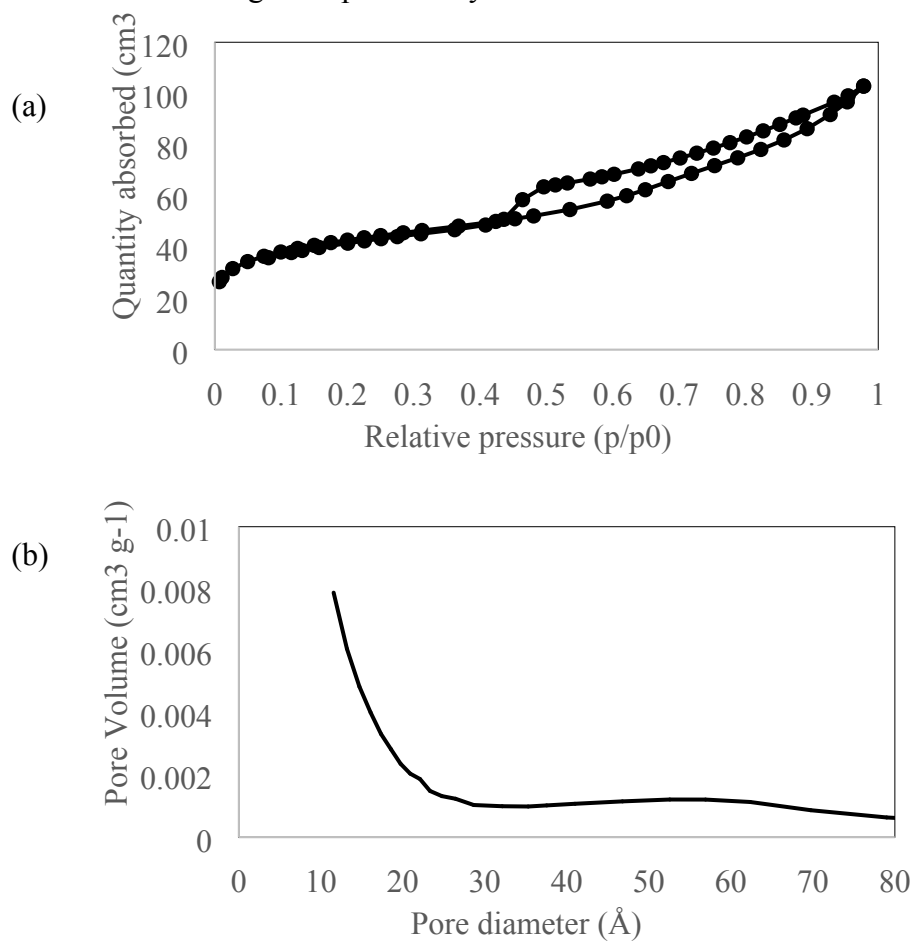


Figure S4. Nitrogen sorption measurements for mesoporous titania. (a) Nitrogen adsorption-desorption isotherms and (b) pore size distribution.