

Supporting Information:

Self-supported Peapod-Like Mesoporous TiO₂-C Array with Excellent Anode Performance in Lithium-Ion Batteries

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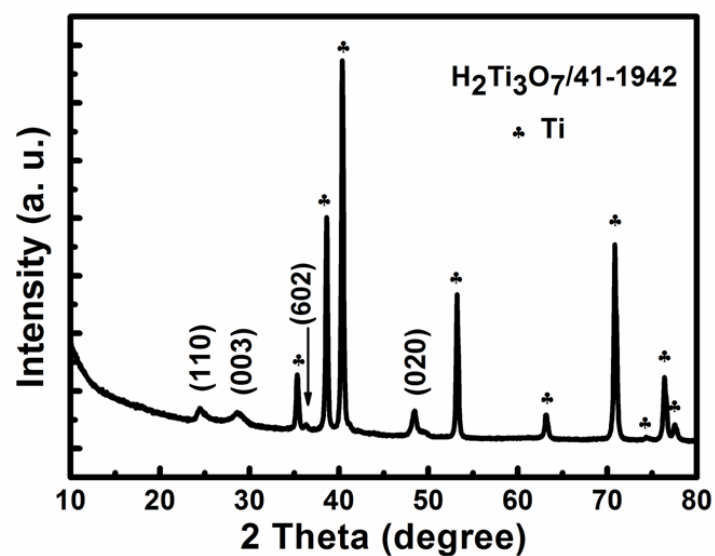


Figure S1. The XRD data to verify the obtained pure-phase H₂Ti₃O₇ nanotubes on Ti substrate.

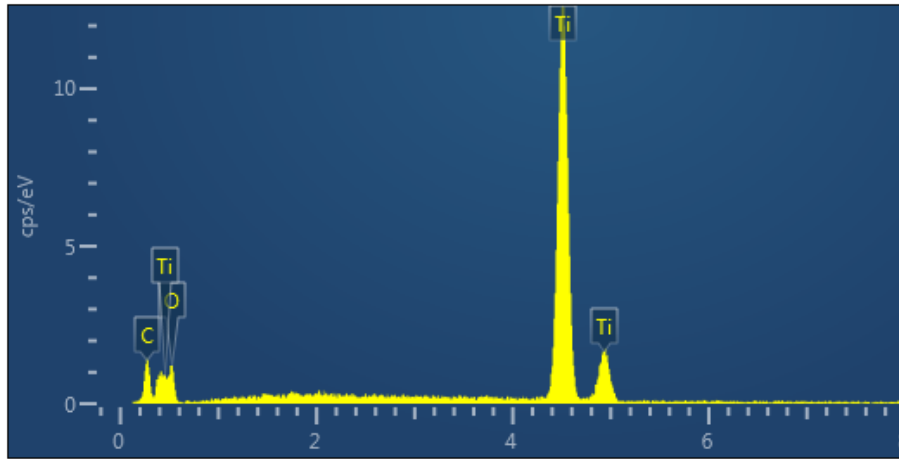


Figure S2. EDS result of the TiO_2 -C peapods array scarped from Ti foil.

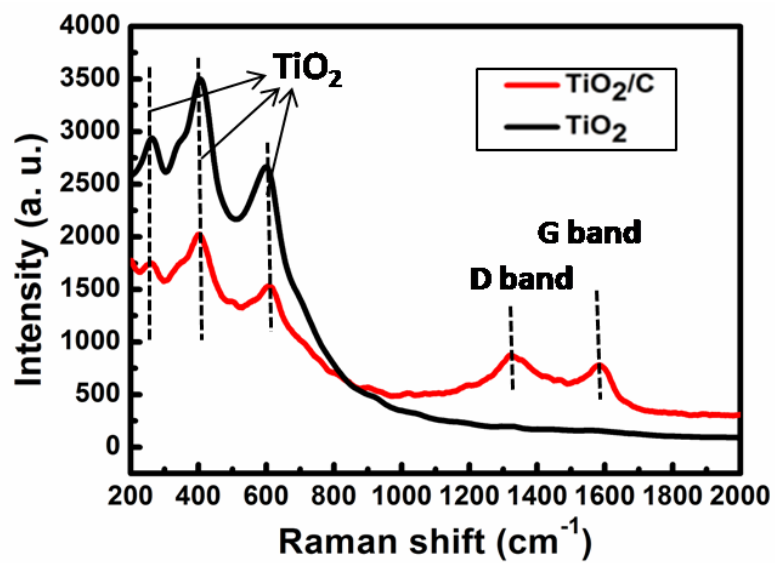


Figure S3. Raman spectra of the as-prepared TiO₂-C peapods array.

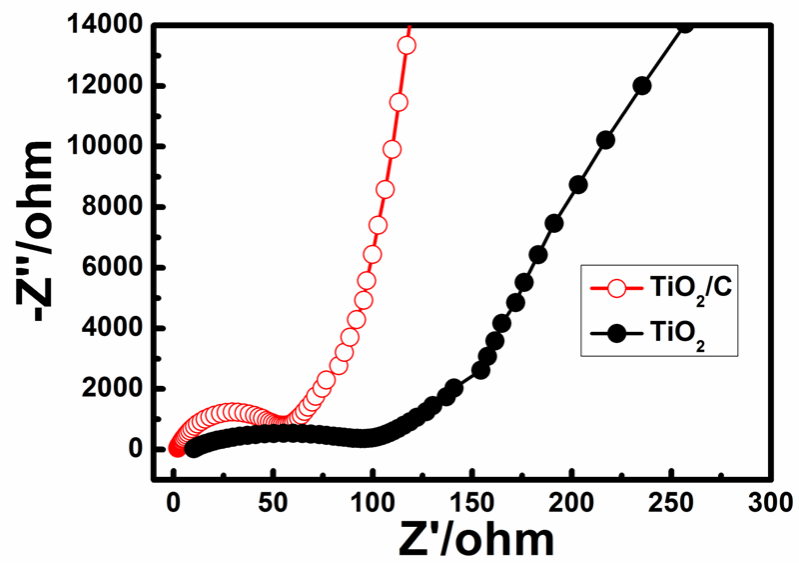


Figure S4. Nyquist plots of the TiO_2 and $\text{TiO}_2\text{-C}$ peapods arrays.

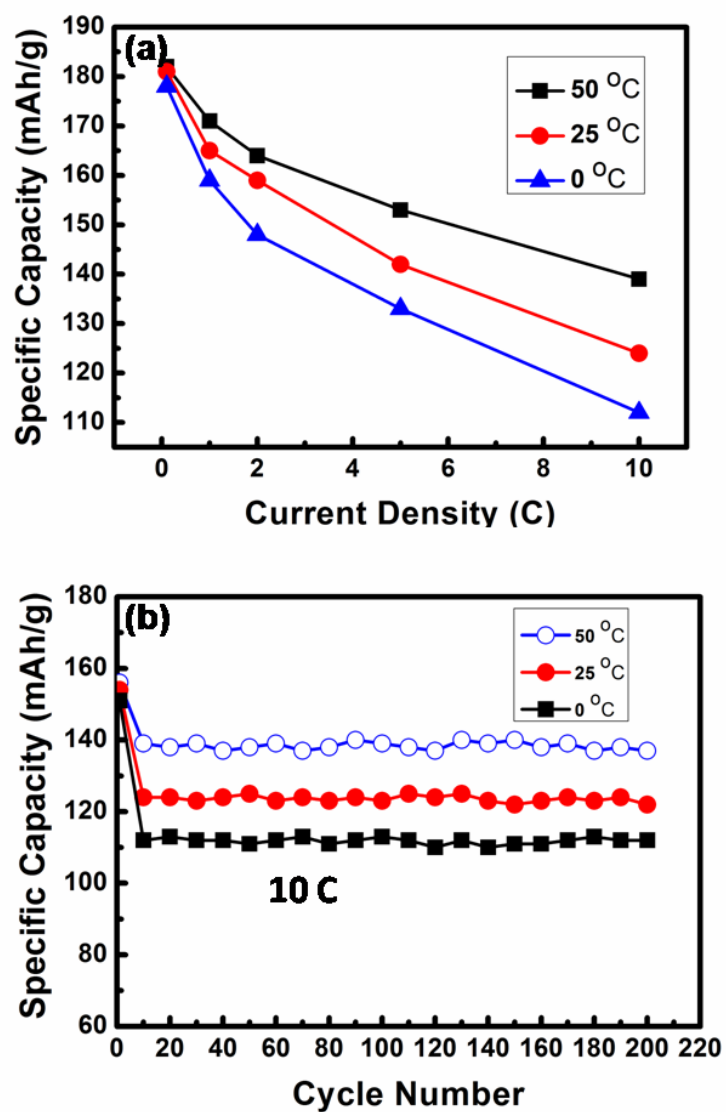


Figure S5. (a) is the profile for the stably delivered capacity of the TiO₂-C peapods array on Ti foil at different temperature, 0, 25, 50°C. (b) is the temperature-dependent galvanostatic result cycled over 200 times at 0, 25, 50 °C.