

Long term cycling studies of electrospun TiO₂ nanostructures and their composites with MWCNTs for rechargeable Li -ion batteries

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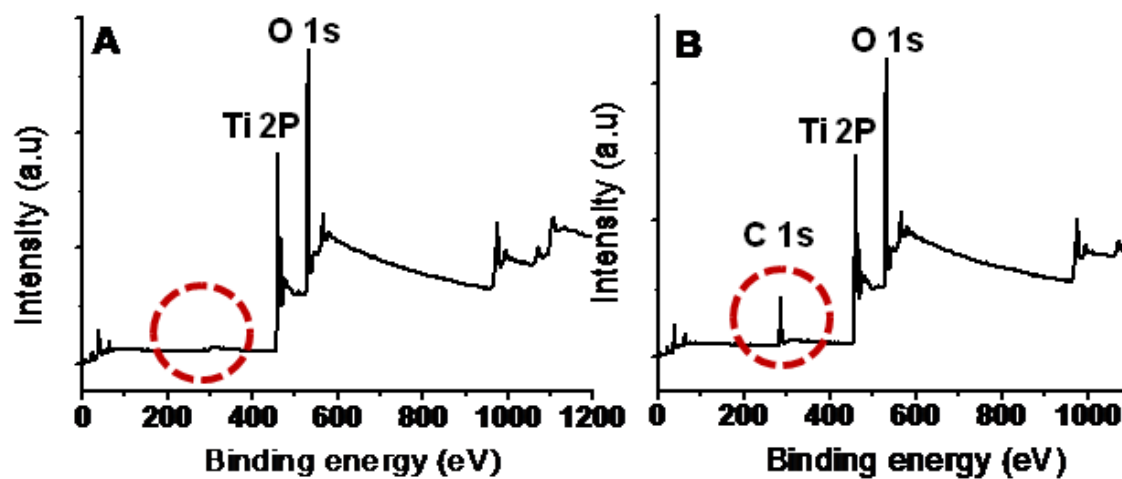
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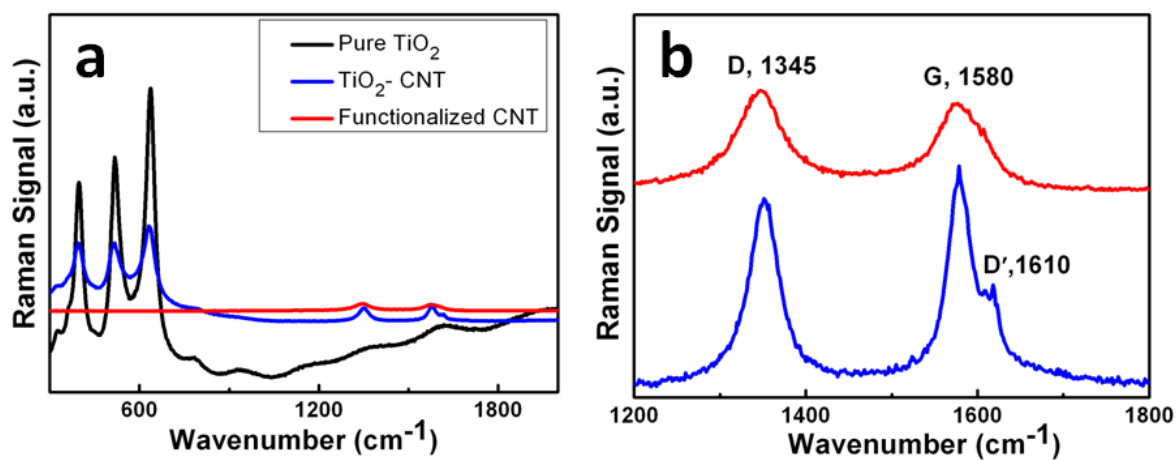
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Supporting Information 1



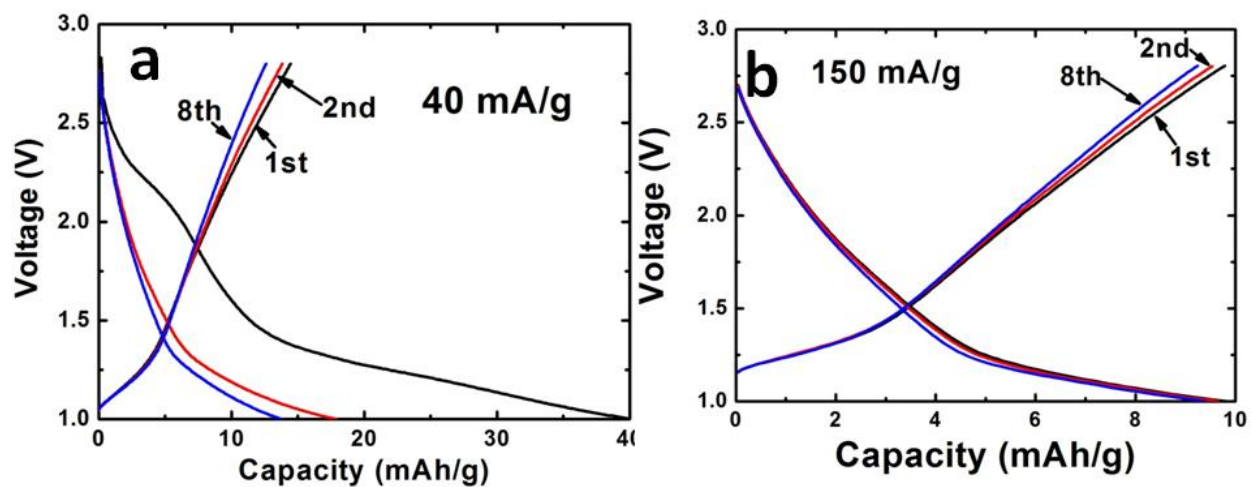
XPS spectra of TiO_2 (A) and $\text{TiO}_2\text{-CNT}$ (B)

Supporting Information 2



Raman spectra of TiO_2 (black trace), functionalized MWCNTs (red trace), and TiO_2 - MWCNTs (blue trace)

Supporting Information 3



Galvanostatic discharge-charge cycling curves (voltage vs. capacity profiles) of CNTs (electrode composition 80:20 PVDF). Current rate: (a) 40 mA g⁻¹ (0.12 C rate) and (b) 150 mA g⁻¹ (0.45 C rate). Li metal was the counter and reference electrodes. Potential window: 1.0-2.8 V.