

Flexible high performance Lithium Ion Battery Electrode based on Free-standing TiO₂ Nanocrystals/Carbon Cloth composite – Supporting Information

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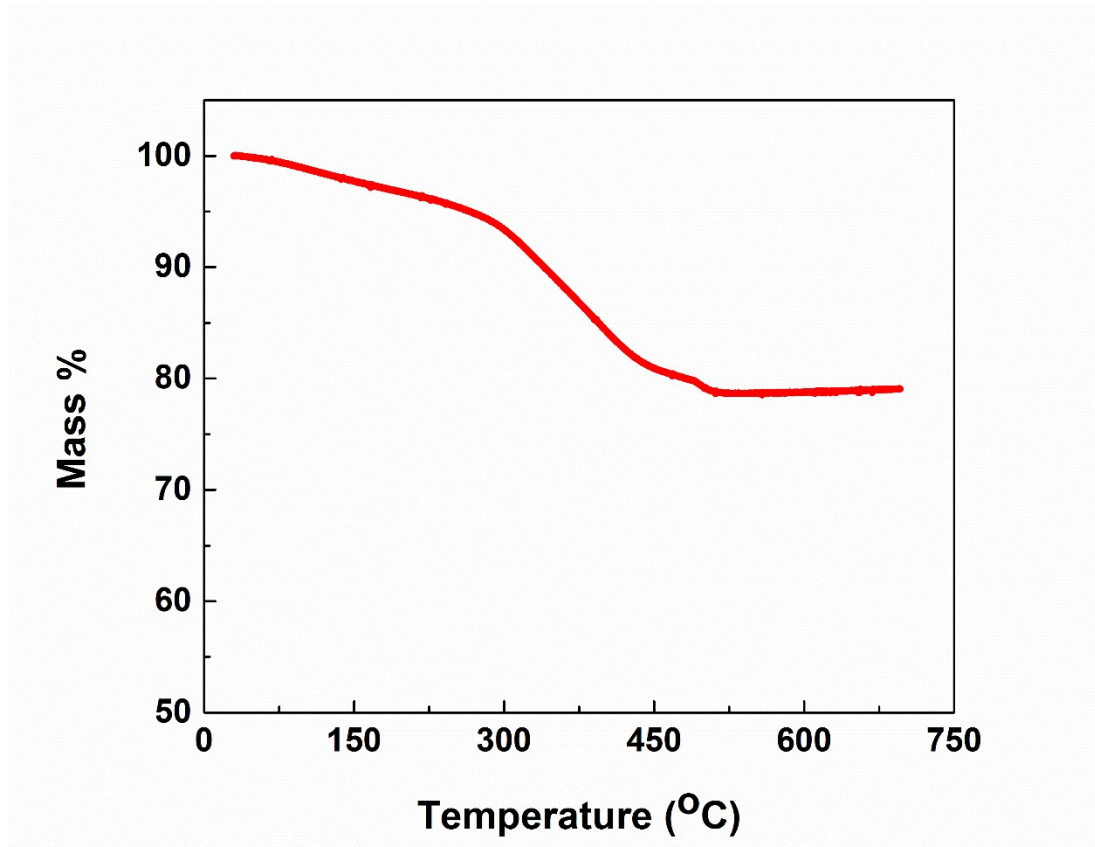


Figure S1 TGA curve for the TiO₂/Oleic Acid nanocrystals

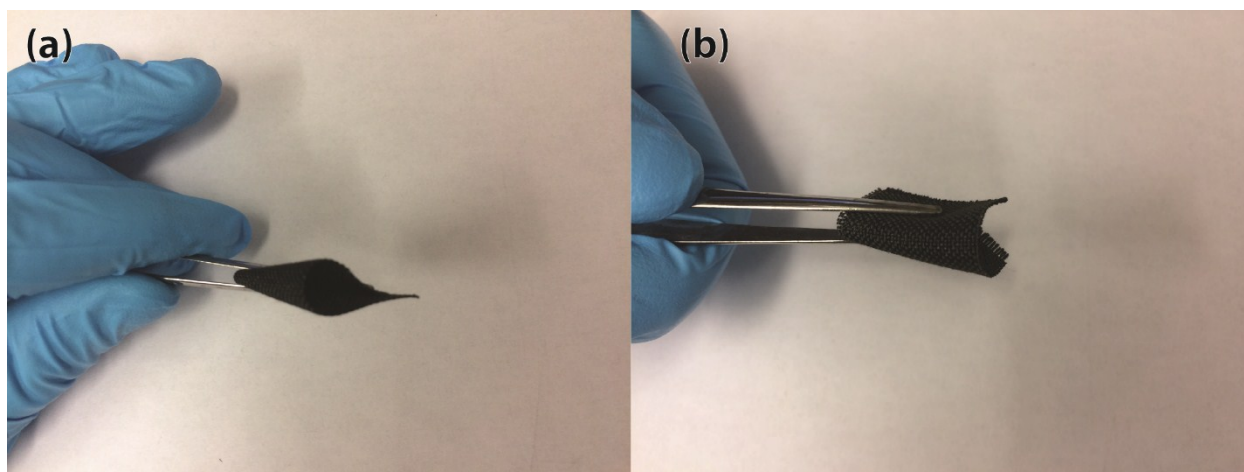


Figure S2 Figure illustrating the similarity of flexibility of (a) un-annealed carbon cloth and (b) annealed carbon cloth

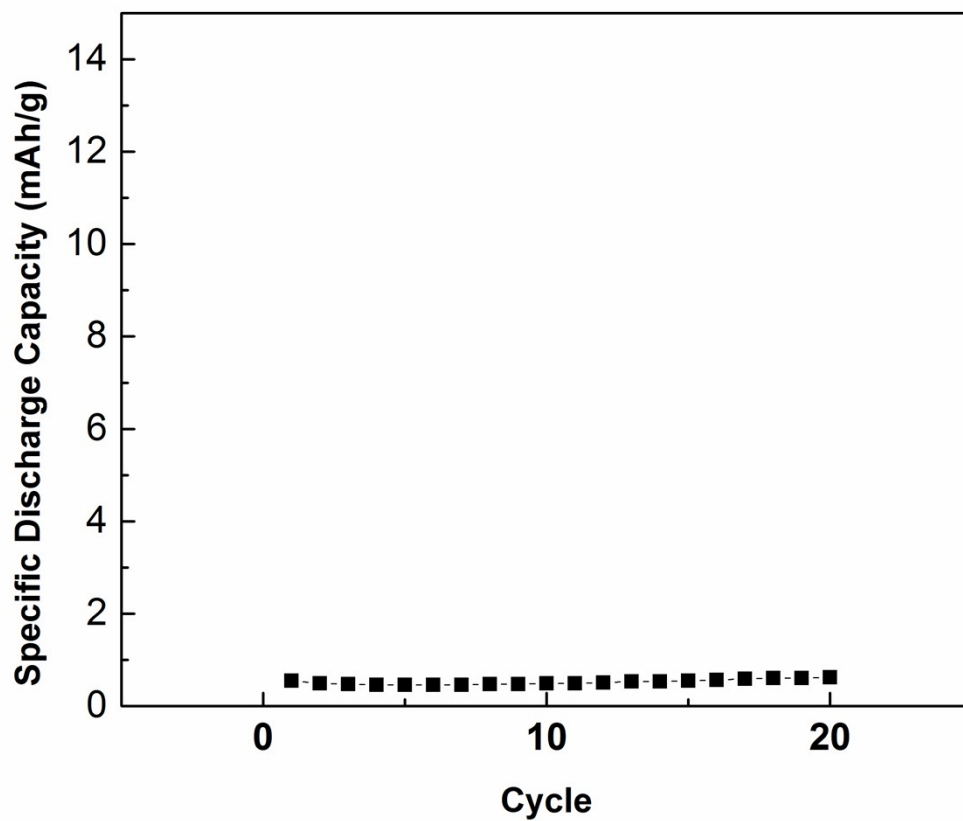


Figure S3 Discharge capacity of neat carbon cloth over 20 charge and discharge cycles at a current density of 100 mA g^{-1}

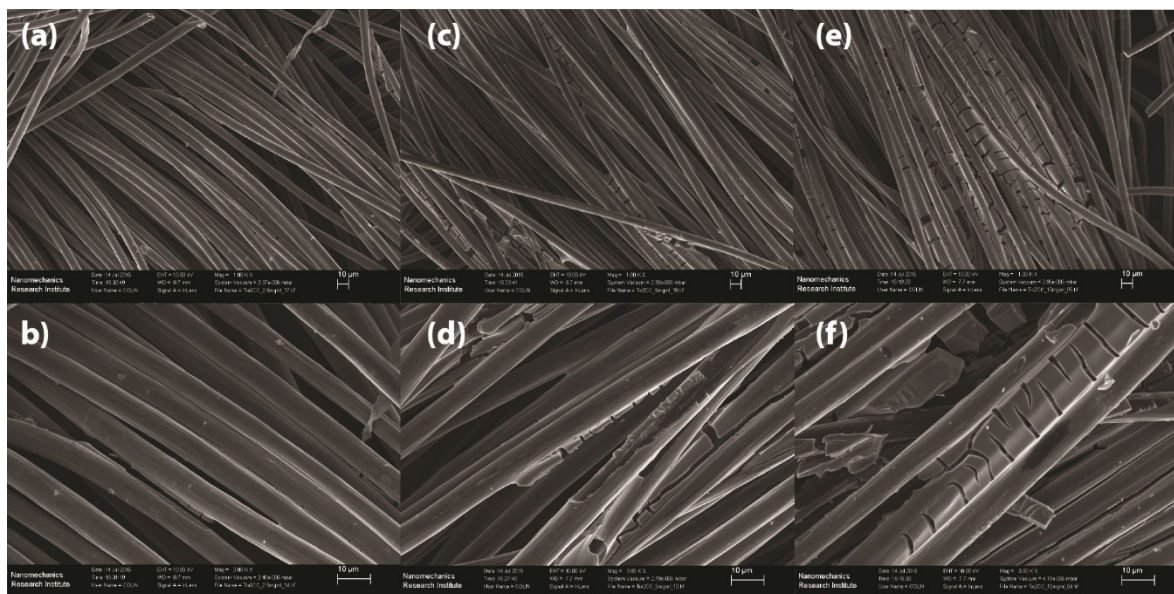


Figure S4 SEM images of the surface of composite electrodes with similar loadings made with different TiO₂ nanocrystal casting concentrations (a)- (b) 2.5 mg mL⁻¹, (c)- (d) 5 mg mL⁻¹, (e)- (f) 10 mg mL⁻¹

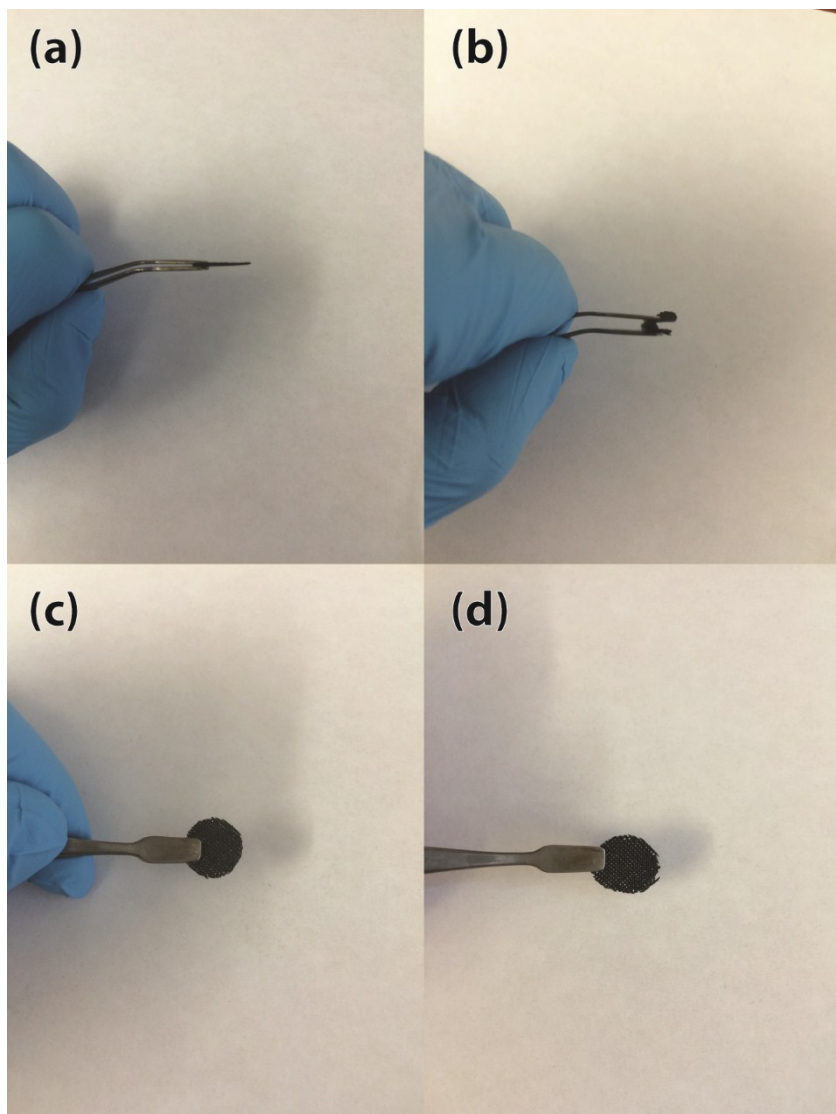


Figure S5 Images of the flexible electrode (a) at “un-flexed” position, (b) at full, 180° flexion, (c) before 100 cycles of mechanical flexion, (d) after 100 cycles of mechanical flexion