

Supporting Information

Flexible Free-Standing Hydrogen-treated Titanium Dioxide Nanowire Arrays as High Performance Anode for Lithium Ion Batteries.

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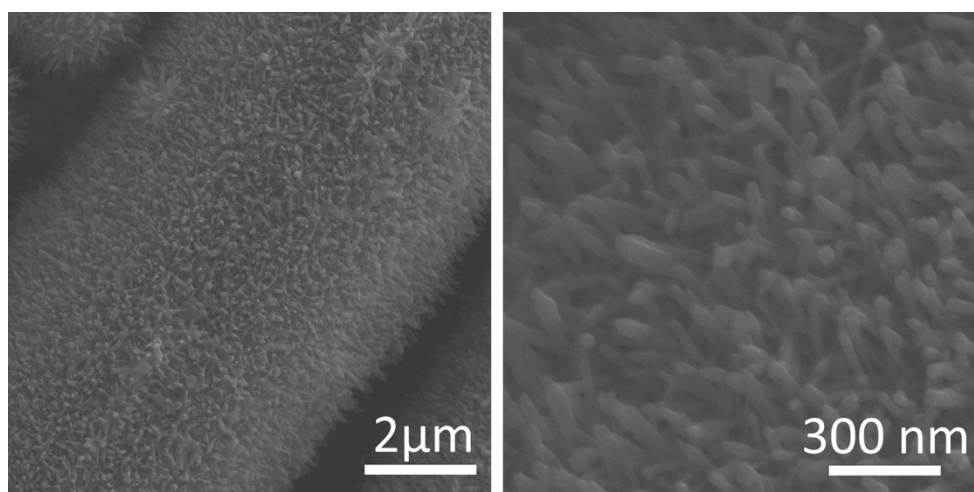


Figure S1. SEM images of the TiO₂ before annealing

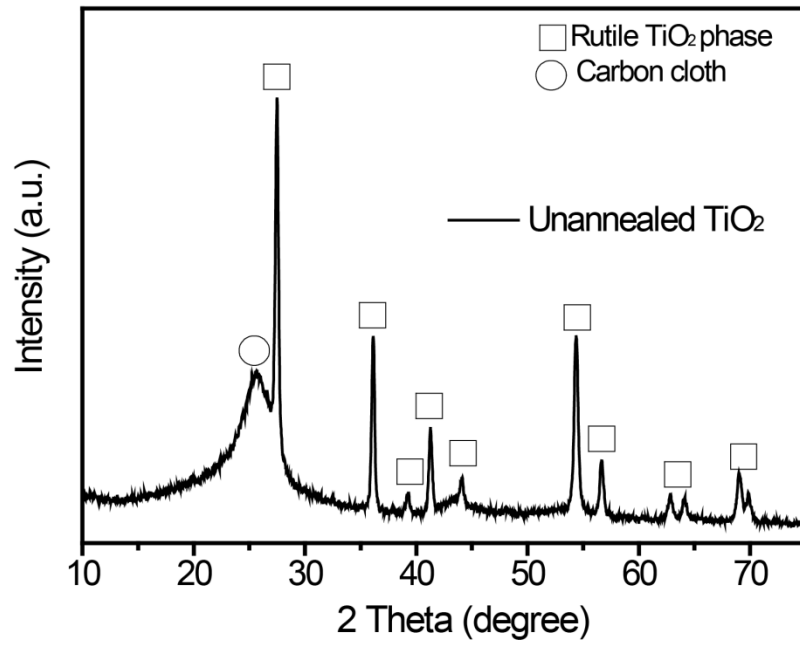


Figure S2. XRD spectrum of TiO_2 sample before annealing. The peaks labeled by square frame can be ascribed to the Rutile TiO_2 phase (JCPDS #21-1276).

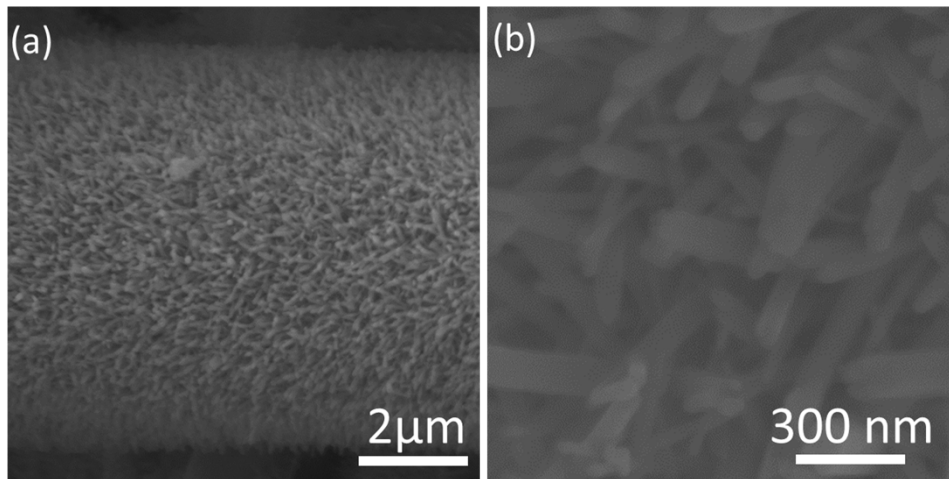


Figure S3. (a) SEM image of Air- TiO_2 nanowire arrays. (b) Magnified SEM image of Air- TiO_2 nanowire arrays grown on a carbon fiber.

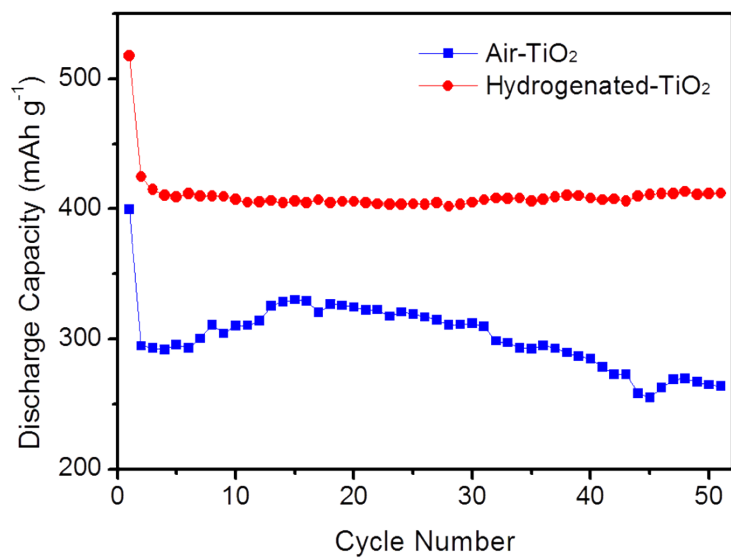


Figure S4. Cyclic performance of the samples at 1 C for 50 cycles.

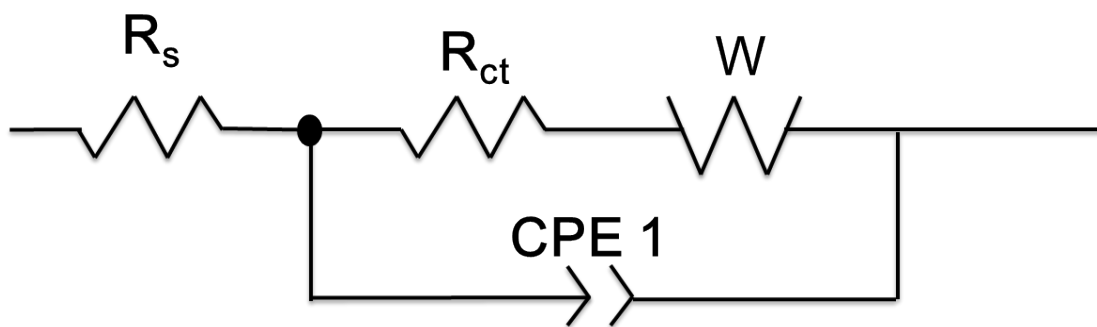


Figure S5. The equivalent circuit of the Nyquist plot of the electrodes.