

Supplementary information

Carbon nanotube fibers decorated with MnO₂ for wire-shaped supercapacitor

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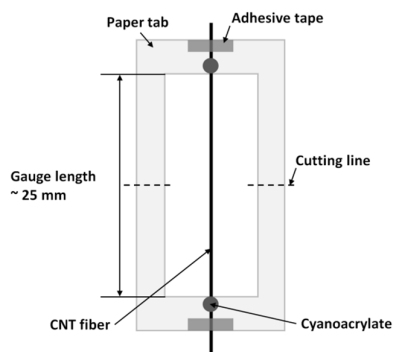


Figure S1. Specimen for single fiber tensile test.

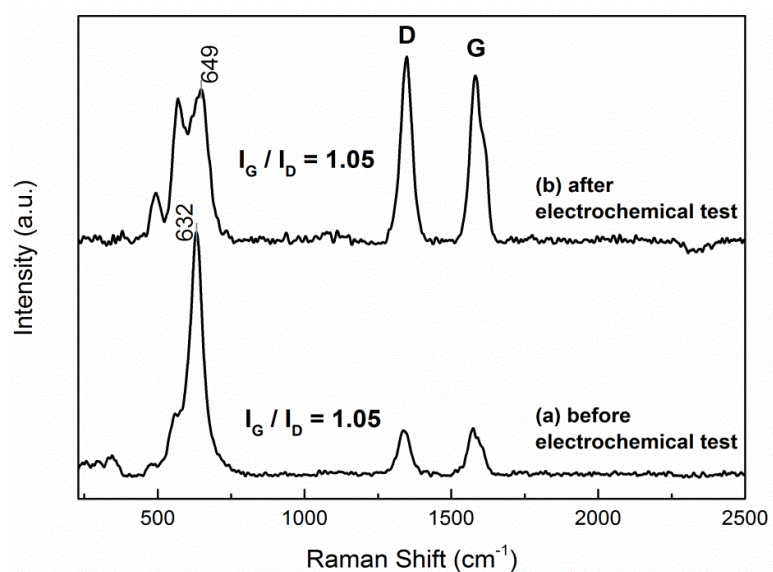


Figure S2. Raman spectra of CNT-MnO₂ fiber (10, 8) (a) before and (b) after electrochemical tests.

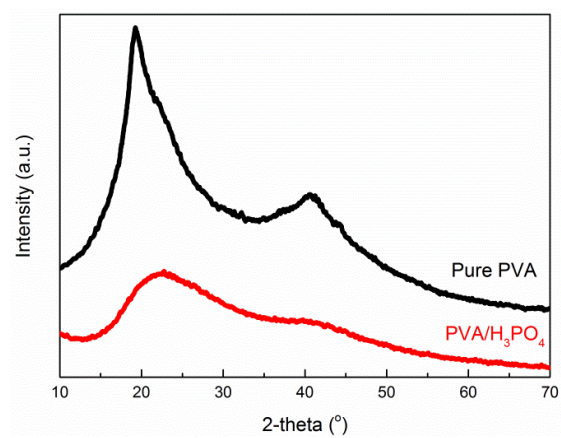


Figure S3. XRD analysis of the solid polymer electrolyte based on PVA.

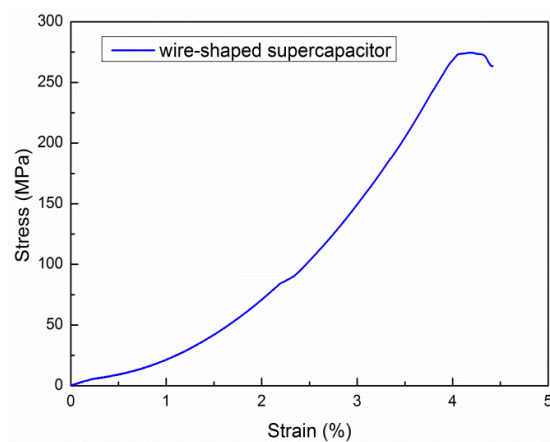


Figure S4. Strength-strain curve of the tested wire-shaped supercapacitor.

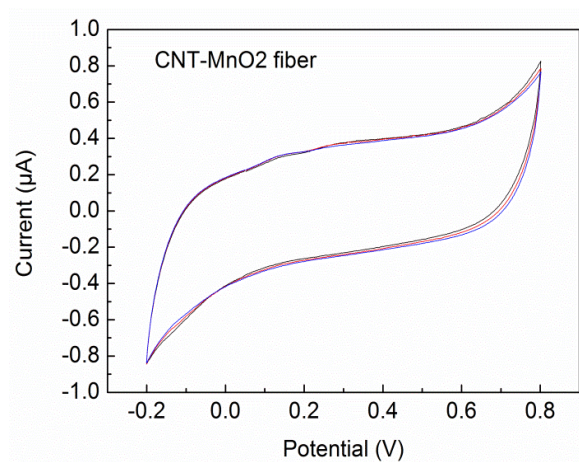


Figure S5. A non-quasi-rectangular CV curve of a CNT-MnO₂ fiber electrode, operating voltage window: -0.2 – 0.8V.