Supporting Information

Flexible fiber-shaped supercapacitor utilizing hierarchical NiCo$_2$O$_4$@Polypyrrole core-shell nanowires on hemp-derived carbon

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Fig. S1. (a-b) Photographs of the original hemp fibers and HDC. (c-e) Photographs of the flexible HDC.
Fig. S2. (a-b) The XRD pattern and Raman spectra of HDC. (c) Raman spectra of HDC@NiCo$_2$O$_4$@PPy composites. (d) Typical stress-strain curves of the fiber-shaped SCs.