Effect of Supercritical CO$_2$ on Fabrication of Free-standing Hierarchical Graphene oxide/Carbon nanofiber/Polypyrrole film and its Electrochemical Property

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Figure S1. (a) Schematic diagram of a flexible hybrid film supercapacitor.

Figure S2. Top-view SEM images of (a) GC/PPy-10 paper and (c) GC/PPy-50 paper. Cross-sectional SEM images of (b) GC/PPy-10 paper and (d) GC/PPy-50 paper.
Figure S3. (a) Nitrogen adsorption isotherms of GC and GC-SC film. (b) Pore Size distributions of GC and GC-SC film.

Figure S4. (a) CV curves in 1M H$_2$SO$_4$ solution at 10mV s$^{-1}$ and (b) charge-discharge curves at 300 mA/g of GC/PPy-10, GC-SC/PPy-10 paperlike electrodes. (c) CV curves in 1M H$_2$SO$_4$ solution at 10mV s$^{-1}$ and (d) charge-discharge curves at 300 mA/g of GC/PPy-50, GC-SC/PPy-50 paperlike electrodes.
Figure S5. Detailed Galvanostatic charge-discharge curves at different current densities of (a) GC/PPy-30, (b) GC-SC/PPy-30.