

**Electrospun polymer nanofiber membrane electrodes and electrolyte  
for highly flexible and foldable all-solid-state supercapacitors**

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**Fig. S1** XRD patterns of CPI, 0.005M PANI/CPI fiber membranes and PANI powder.

**Fig. S2** FTIR spectra of CPI, 0.005M PANI/CPI fiber membranes and PANI powder.

**Fig. S3** (a) CV curves of PANI powder at different scan rates in 1 M H<sub>2</sub>SO<sub>4</sub> from -0.2 to 0.8 V (vs. Ag/AgCl); (b) Charge/discharge curves of PANI powder at different current densities.

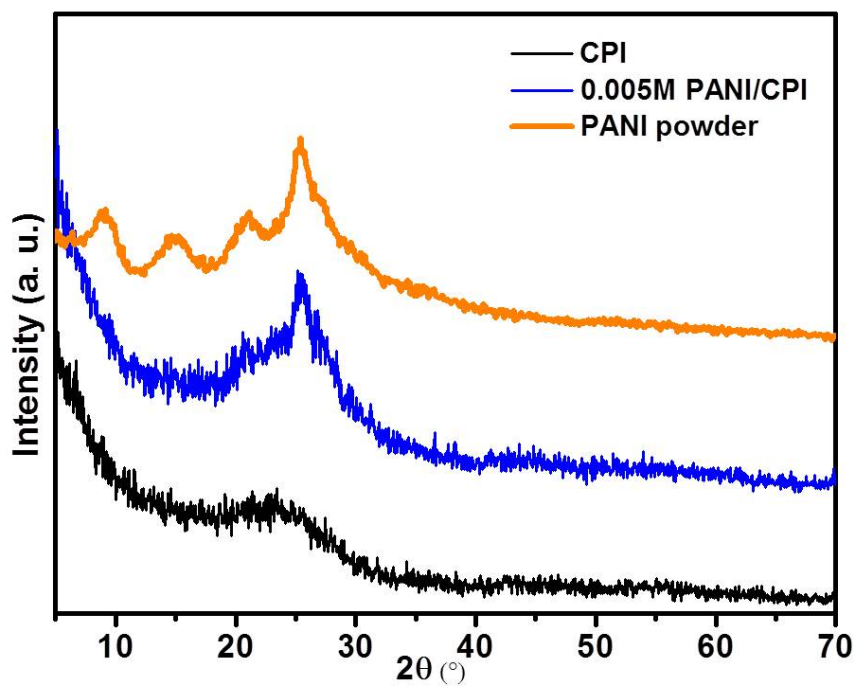


Fig. S1

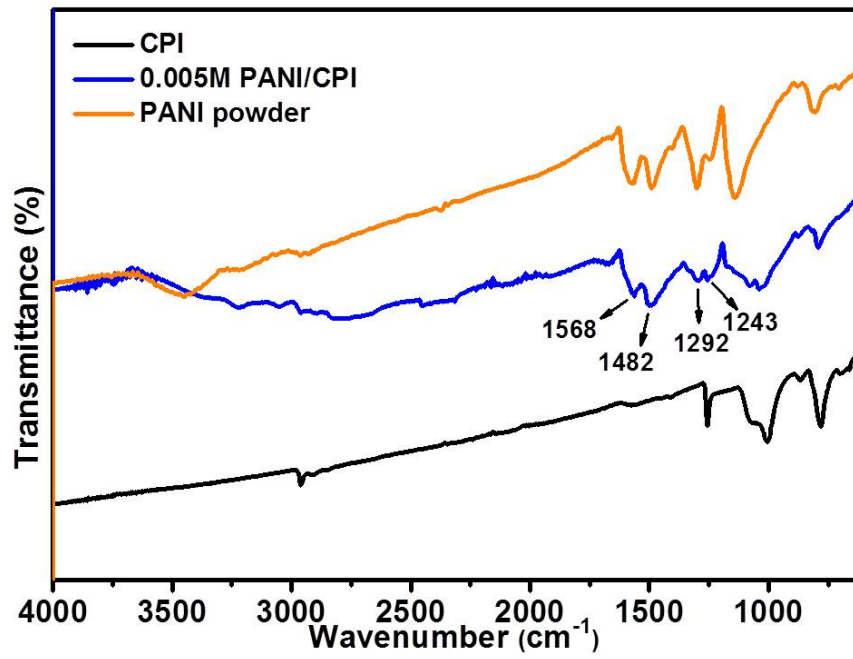


Fig. S2

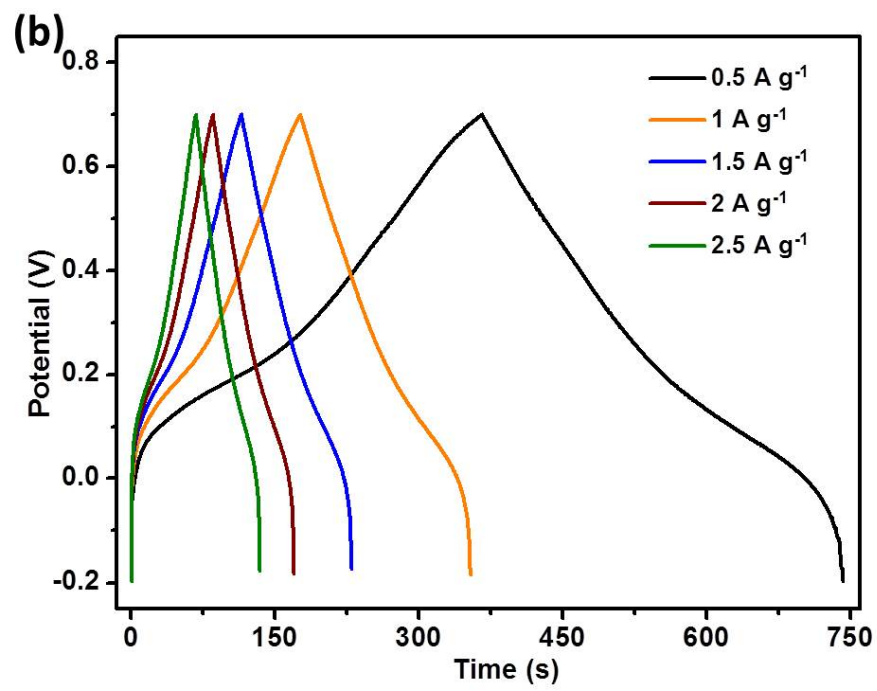
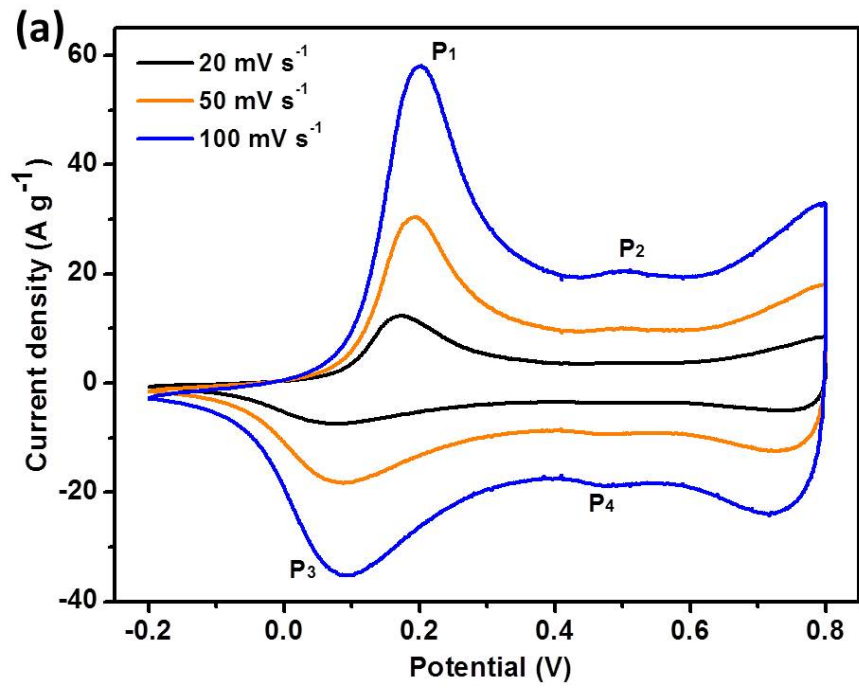


Fig. S3