Electronic Supplementary Information:

Flexible graphene/polyaniline composite paper for high-performance supercapacitor

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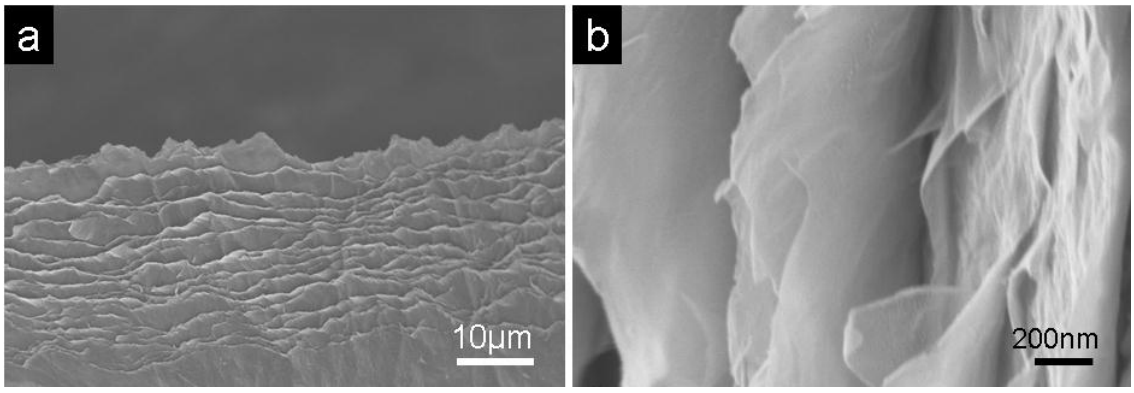

Fig. S1 SEM images with different magnifications of the cross section of the graphene paper.

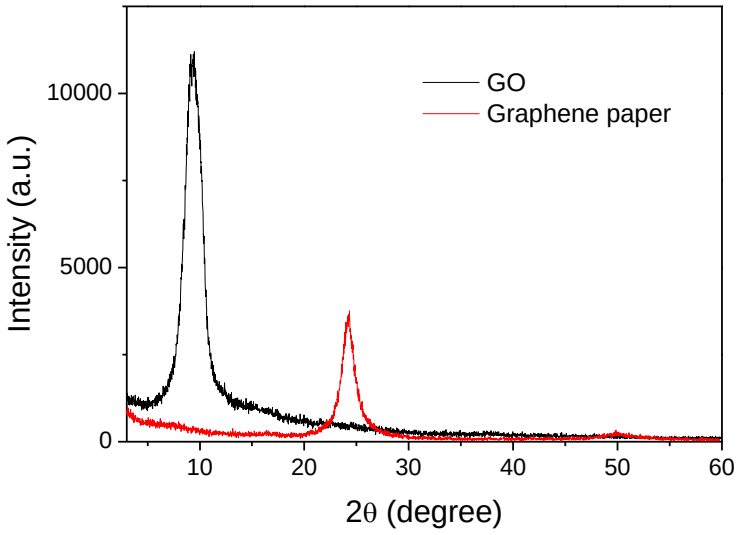

Fig. S2 XRD patterns of GO powder and graphene paper.

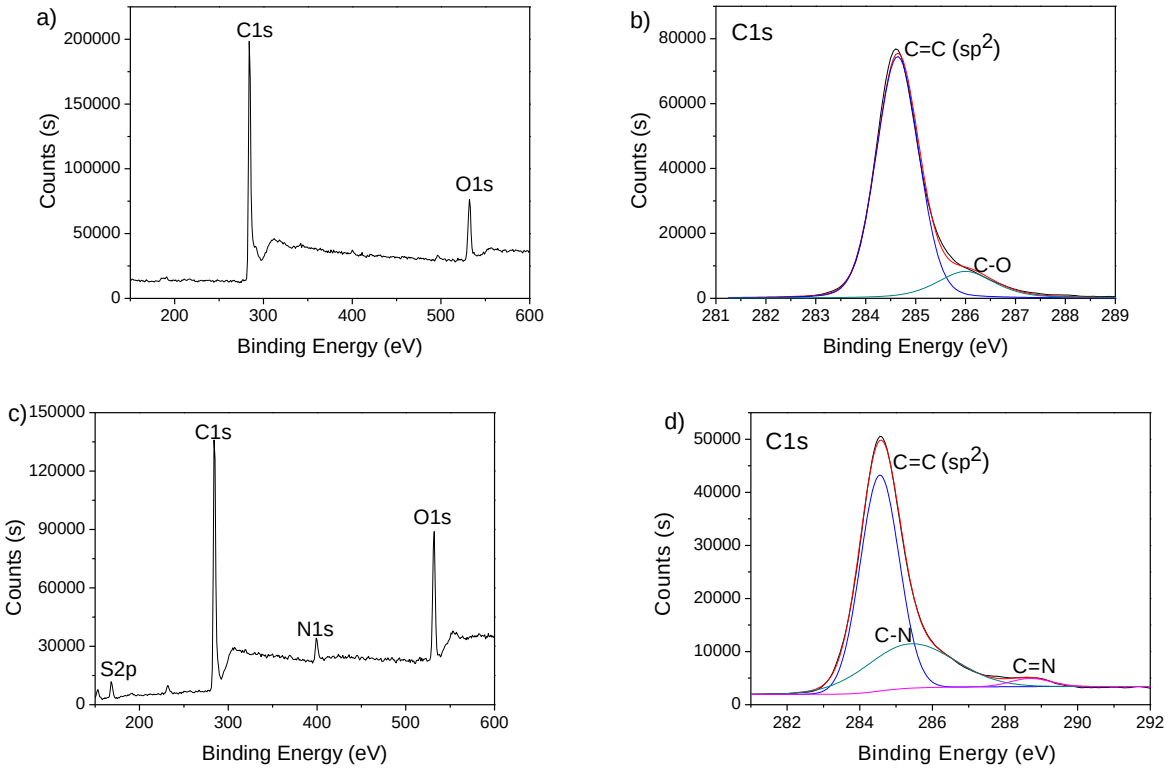

Fig. S3 (a) XPS spectrum of graphene paper. (b) Core-level C1s XPS spectrum of graphene paper. (c) XPS spectrum of graphene/PANI paper. (d) Core-level C1s XPS spectrum of graphene/PANI paper.

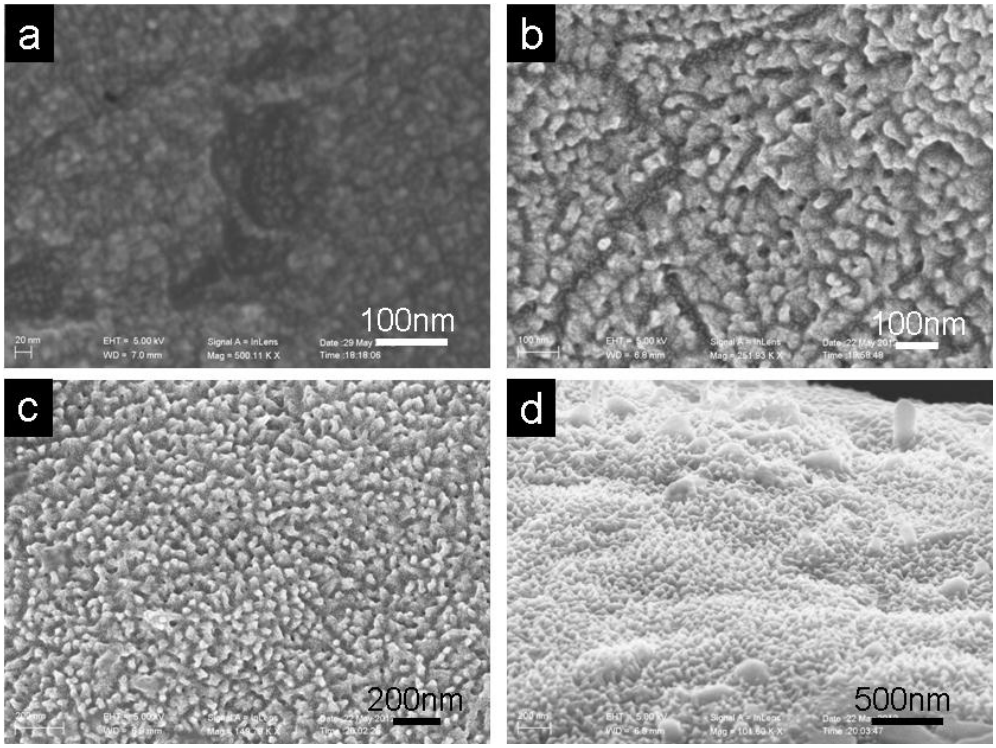

Fig. S4 SEM images of the surface of the graphene/PANI composite papers with different electropolymerization times. (a) 2 min; (b) 5 min; (c) 10 min; (d) 15 min.

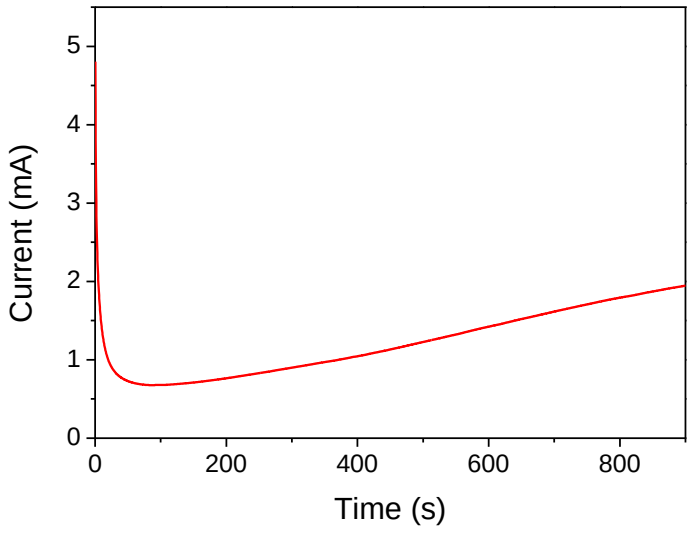

Fig. S5 Recorded current response during the electropolymerization process.

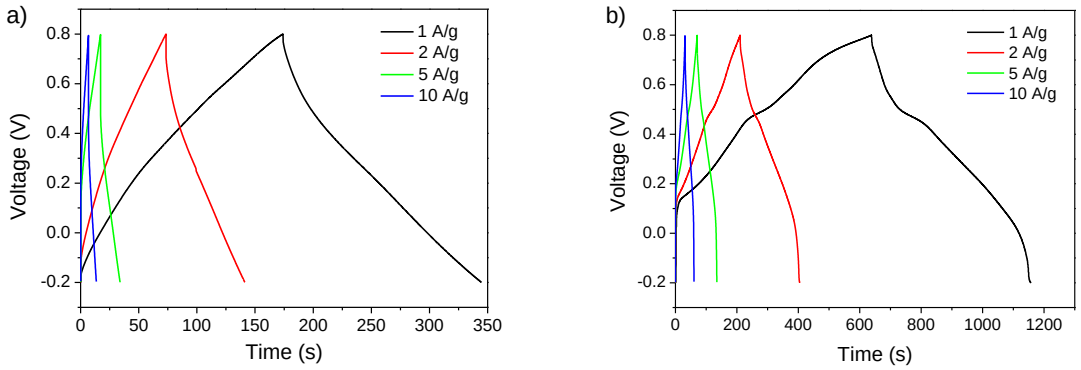

Fig. S6 Galvanostatic charge-discharge curves at different current densities. (a) graphene paper; (b) PANI film on the Pt electrode.