Electronic Supplementary Material (ESI) for RSC Advances.

Highly flexible all-solid-state supercapacitors based on carbon nanotube/polypyrrole composite films and fibers

Yu Zhou,[1] Xiaoyang Hu,[2] Yuanyuan Shang,[1*] Chunfei Hua,[1] Pingxin Song,[1*] Xinjian Li,[1] Yingjiu Zhang.[1] Anyuan Cao.[3]

[1] School of Physical Engineering, Zhengzhou University, Zhengzhou, Henan 450052, China

[2] Collage of Science, Henan Institute of Engineering, Zhengzhou, Henan 451191, China

[3] Department of Materials Science and Engineering, College of Engineering, Peking University, Beijing 100871, P. R. China

Supporting Information

Figure S1. Raman of CNT film.

Figure S2. Illustration of the mould for CNT film depositing PPy.

Figure S3. Capacitive properties of CNT and CNT/PPy composite film.

Figure S4. Illustration of the CNT/PPy composite film-shaped supercapacitor.

Figure S5. Illustration of the CNT/PPy composite fiber-shaped supercapacitor.

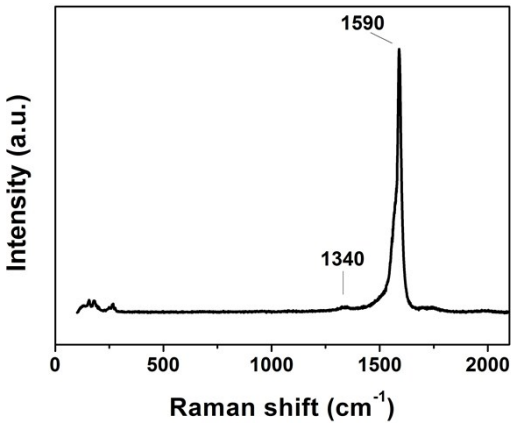

Figure S1 Raman of CNT film.

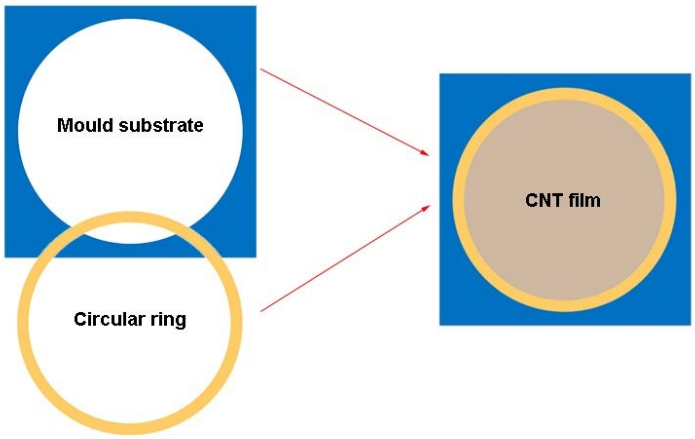

Figure S2 Illustration of the mould for CNT film depositing PPy.

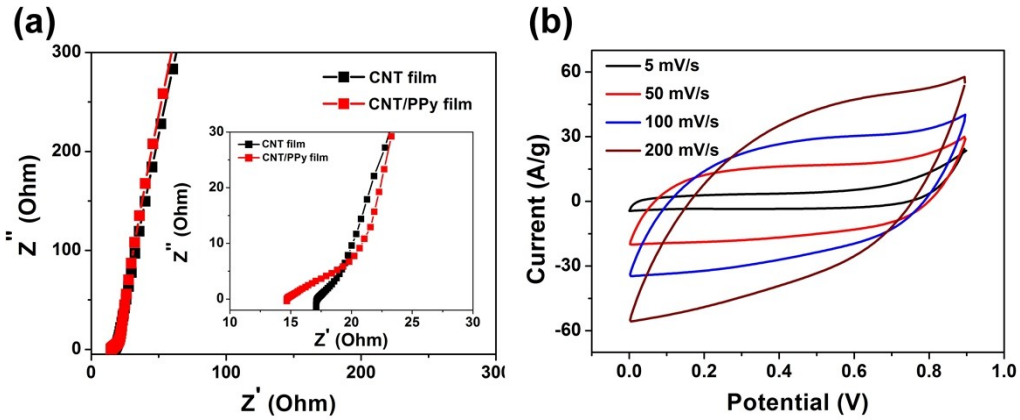

Figure S3 Capacitive properties of CNT and CNT/PPy composite film. (a) Nyquist plots of CNT and CNT/PPy film. (b) CV curves of CNT/PPy films at different scan rates from 5 to 200 mV/s.

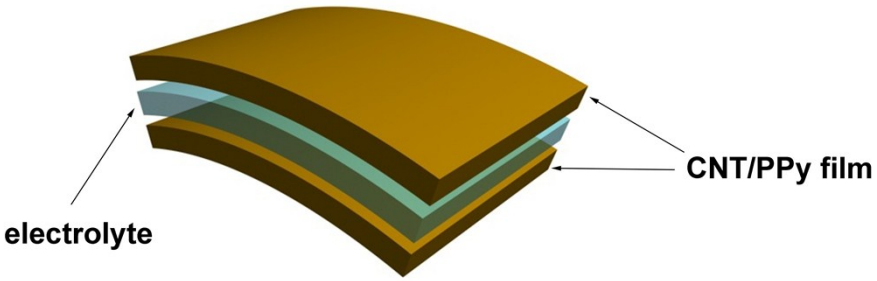

Figure S4 Illustration of the CNT/PPy composite film-shaped supercapacitor.

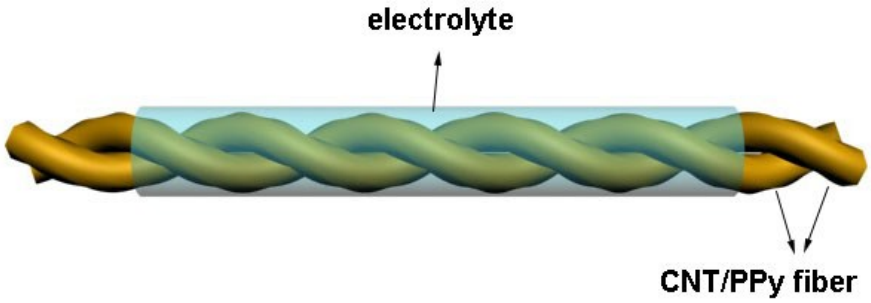

Figure S5 Illustration of the CNT/PPy composite fiber-shaped supercapacitor.