

Supporting Information for

Preparation of hierarchically porous carbon nanofoams for electrode materials of supercapacitors

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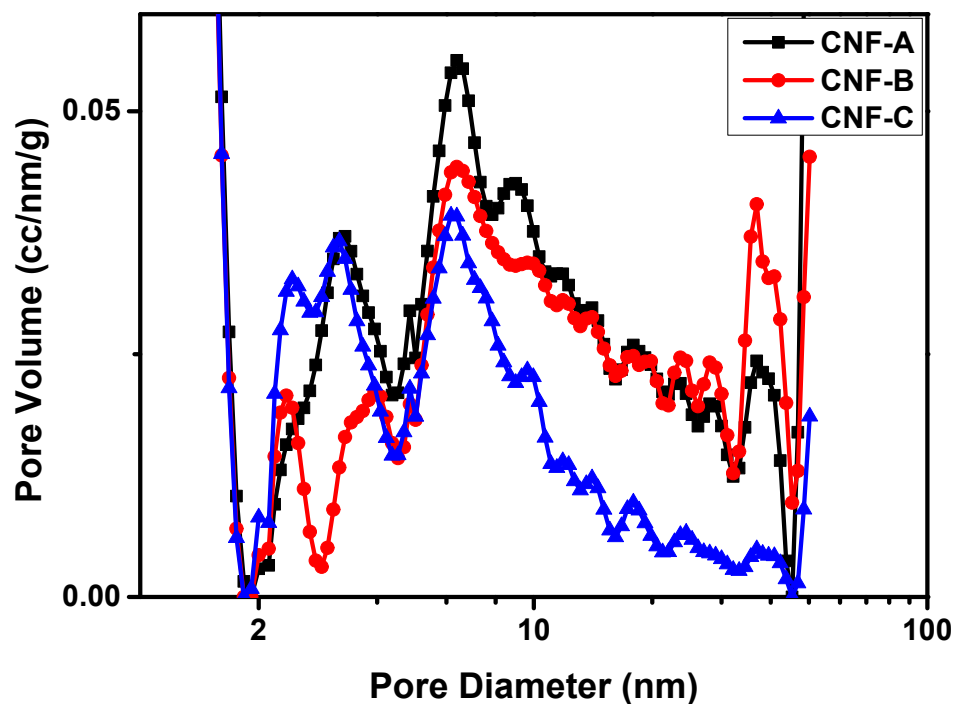


Figure S1. Pore size distribution of CNFs calculated with DFT method.

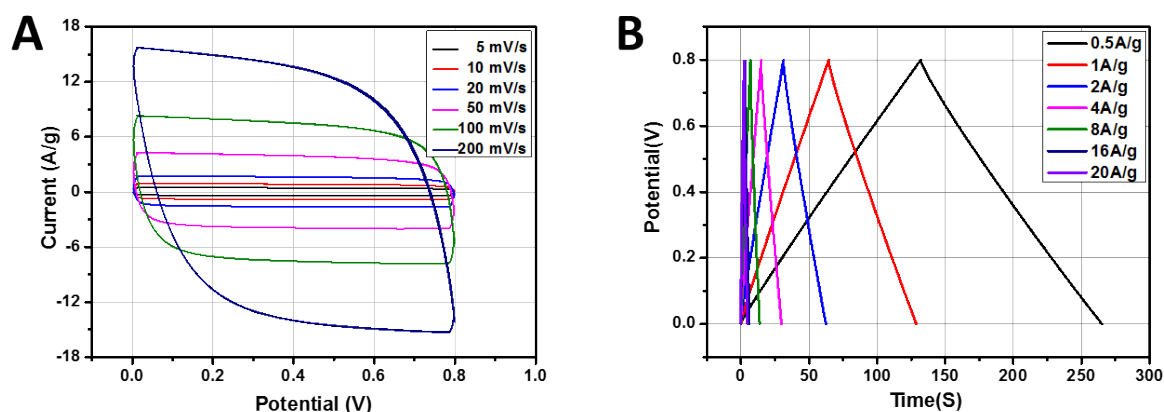


Figure S2. Electrochemical capacitive behaviour of CNF-A. (A) CV curves of CNF-A at different scan rates, (B) CD curves of CNF-A at different current densities.

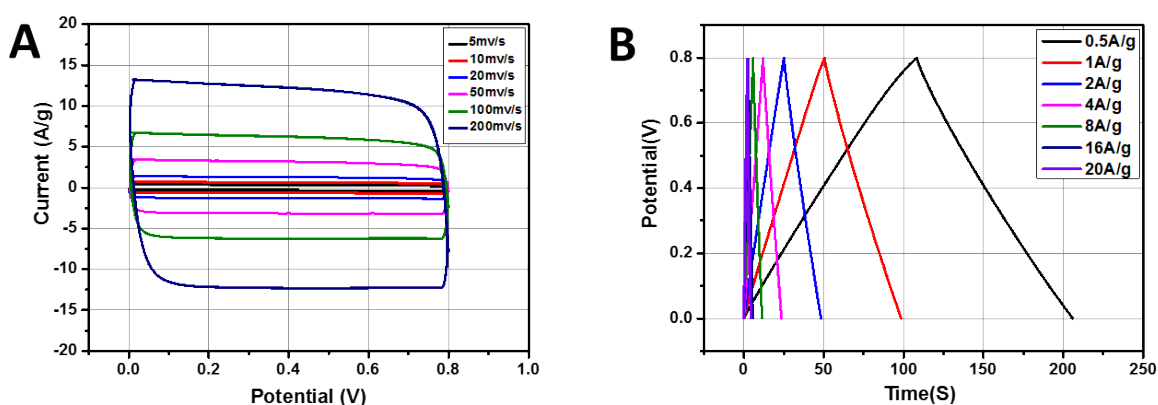


Figure S3. Electrochemical capacitive behaviour of CNF-B. (A) CV curves of CNF-B at different scan rates, (B) CD curves of CNF-B at different current densities.

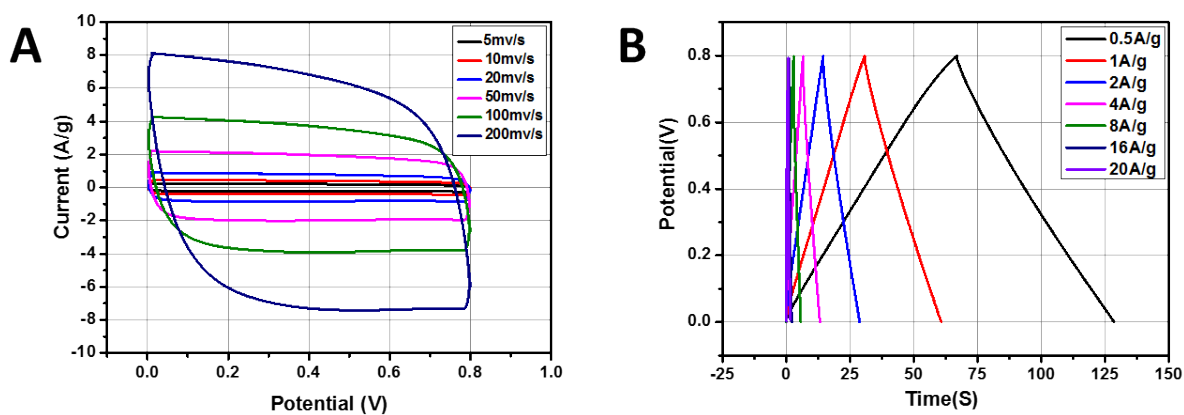


Figure S4. Electrochemical capacitive behaviour of CNF-C. (A) CV curves of CNF-C at different scan rates, (B) CD curves of CNF-C at different current densities.

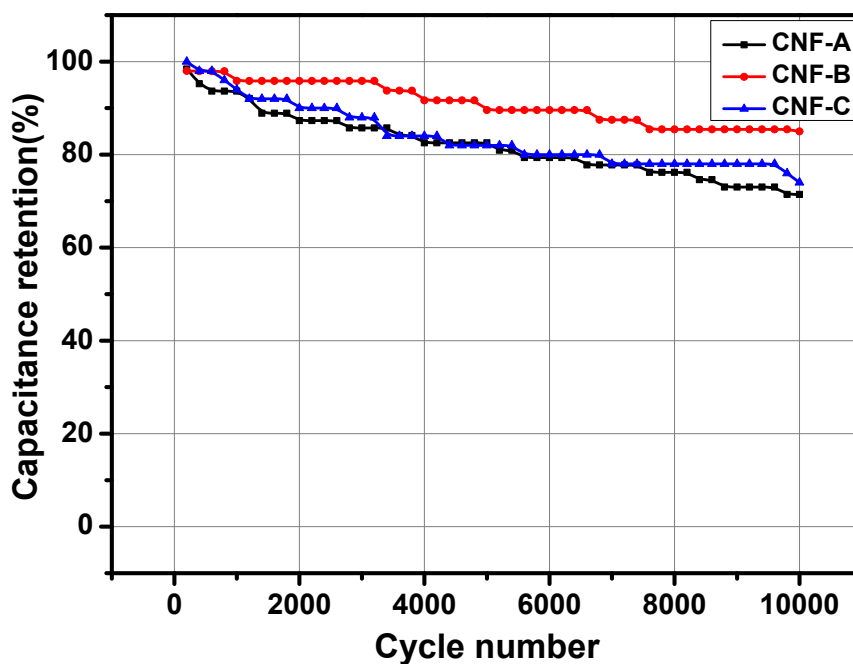


Figure S5. Cycling stability of CNFs measured at current density of $1 \text{ A} \cdot \text{g}^{-1}$ in a two-electrode system by using 6 M KOH aqueous solution as electrolyte.

Table S1. Comparison of the specific capacitance and rate capability between current work and several related work.

Carbon	Surface area ($\text{m}^2 \text{ g}^{-1}$)	Pore volume ($\text{cm}^3 \text{ g}^{-1}$)	Specific capacitance (F g^{-1})		Rate Capability (%)	Reference
			0.5 A g^{-1}	20 A g^{-1}		
CNF-A	1174	1.972	170	139	82	This work
CNF-B	1099	1.775	124	113	91	This work
3D-HPCFs	1286	1.1	250	111	44	1
CNMs	1500	3.0	202	132	65	2
HCSF	1286	2.25	210	159	75	3

Notes and references

1. B. You, J. Jiang and S. Fan, *ACS Appl. Mater. Interfaces*, 2014, **6**, 15302-15308.
2. Y. Wang, R. Xiong, L. Dong and A. Hu, *J. Mater. Chem. A.*, 2014, **2**, 5212-5217.
3. X. Fang and J. Zang, *J. Mater. Chem. A.*, 2014, **2**, 6191-6197.