

Supportting Information

Bioconcentration of organic dyes via fungal hyphae and their derived carbon fibers for supercapacitors

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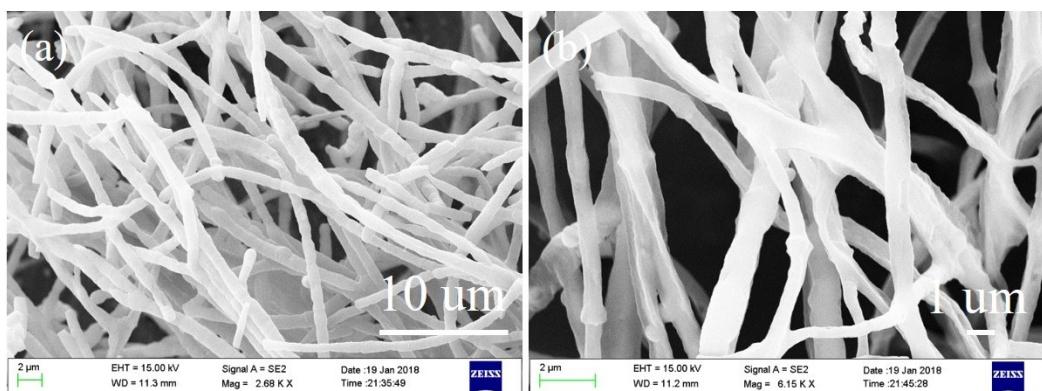


Fig. S1. SEM images of FHCF.

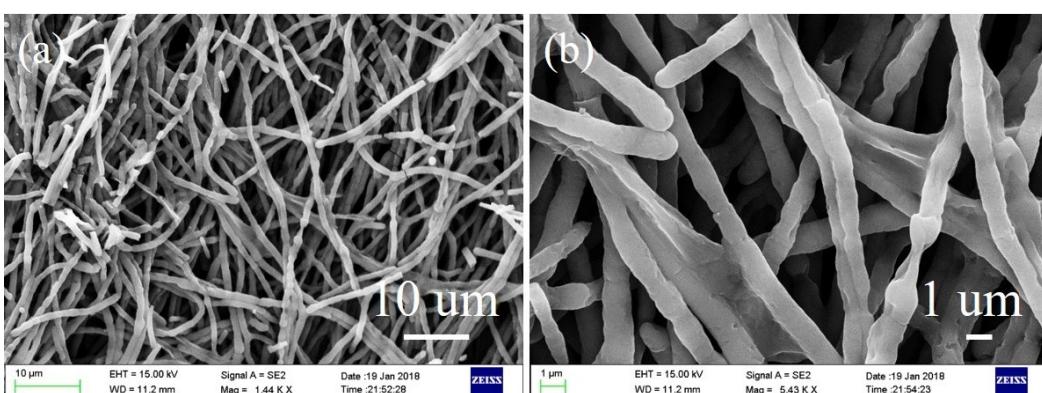


Fig. S2. SEM images of N-FHCF (MV).

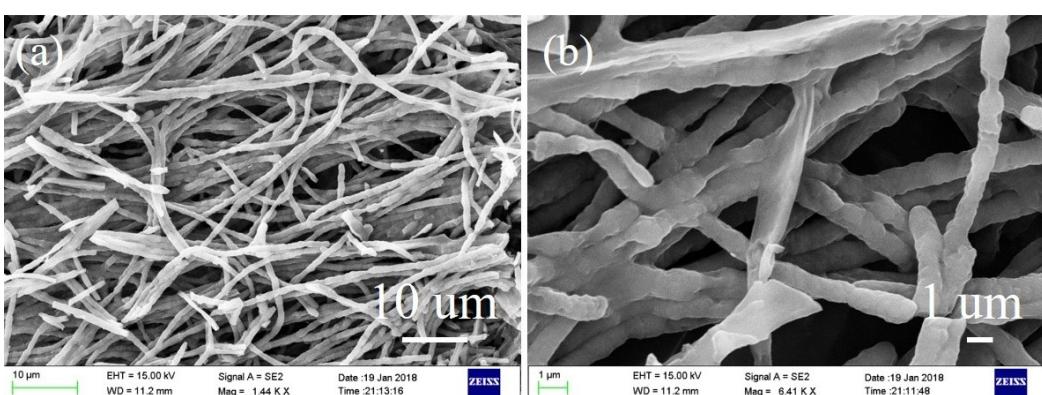


Fig. S3. SEM images of N-S-FHCF (CR).

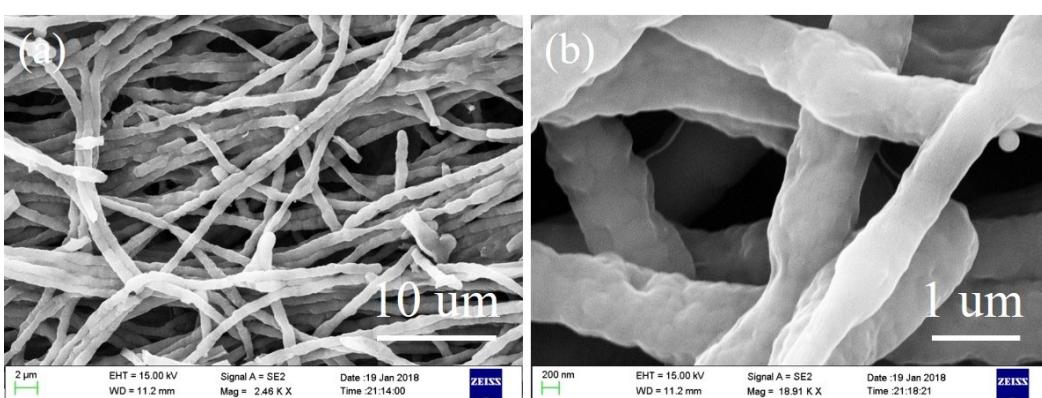


Fig. S4. SEM images of N-S-FHCF (AF).

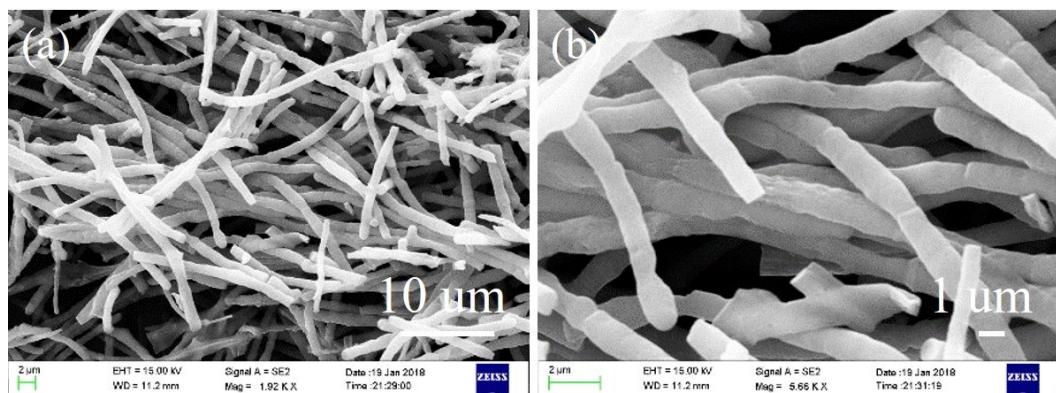


Fig. S5. SEM images of N-FHCF (RB).

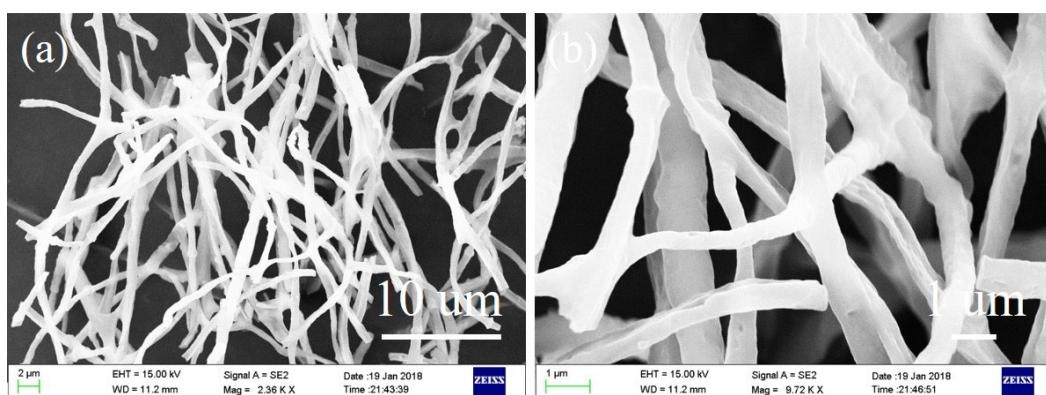


Fig. S6. SEM images of N-S-FHCF (MO).

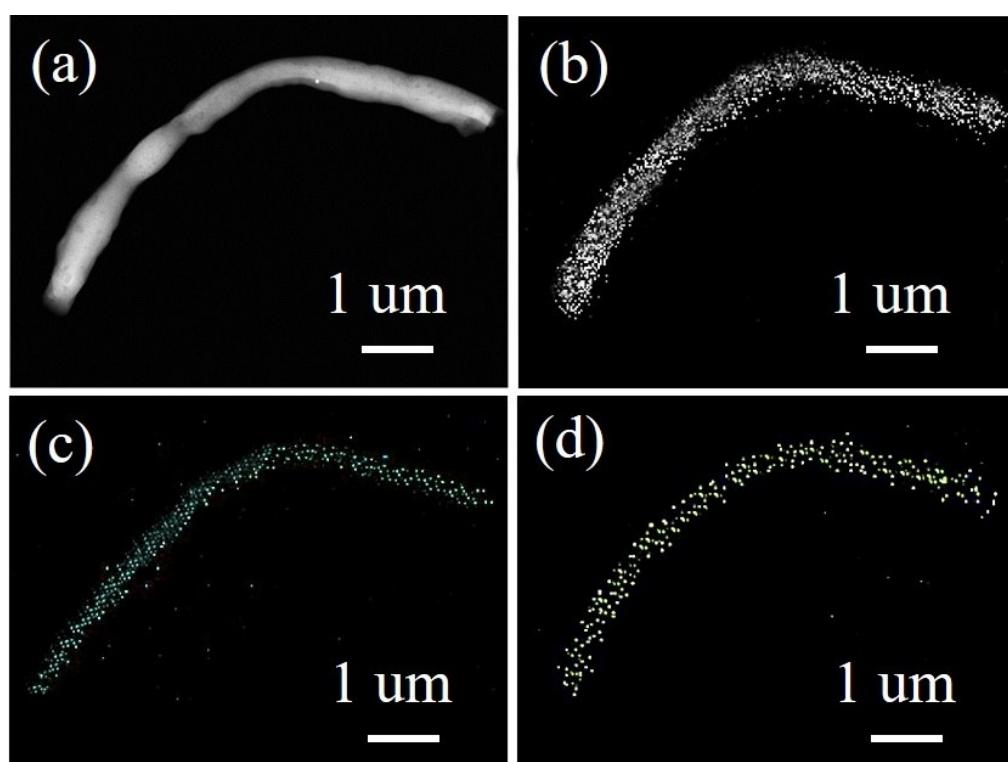


Fig. S7. (a) Typical EFTEM image and corresponding elemental mapping images of (b) C, (c) N, and (d) O.

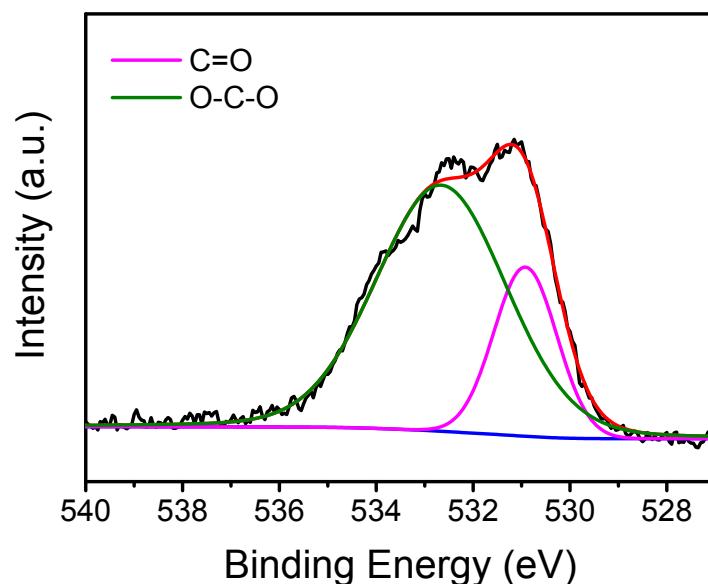


Fig. S8. The high-resolution spectra in O1s region for N-S-FHCF (MB).

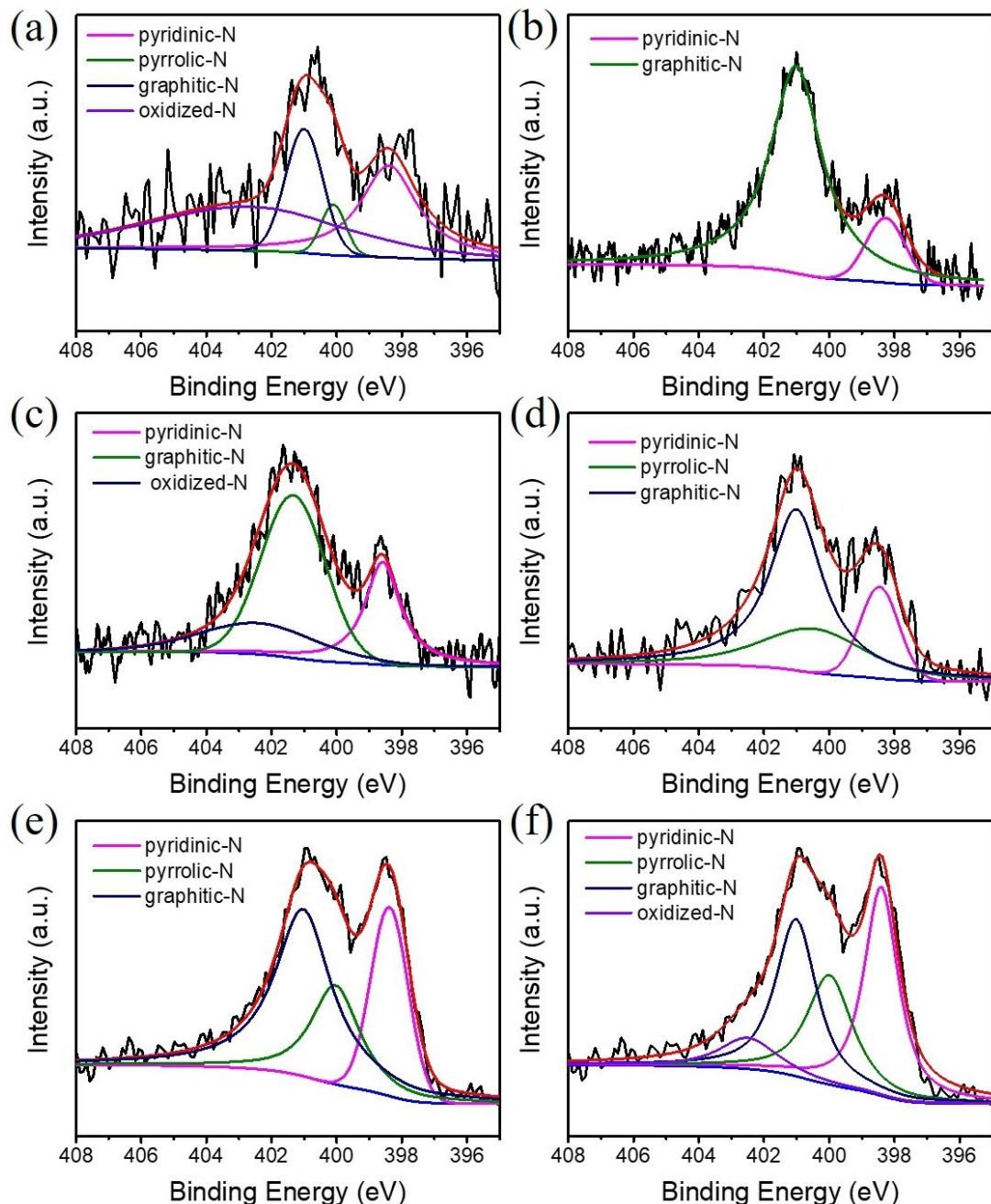


Fig. S9. The high-resolution spectra in N1s region for (a) FHCf, (b) N-FHCf (MV), (c) N-S-FHCf (CR), (d) N-S-FHCf (AF), (e) N-FHCf (RB), (f)N-S-FHCf (MO)

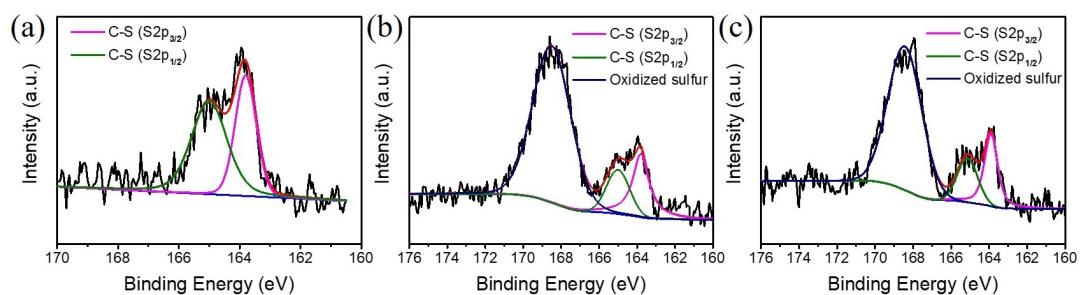


Fig. S10. The high-resolution spectra in S2p region for (a) N-S-FHCf (CR), (b) N-S-FHCf (AF), (c)N-S-FHCf (MO).

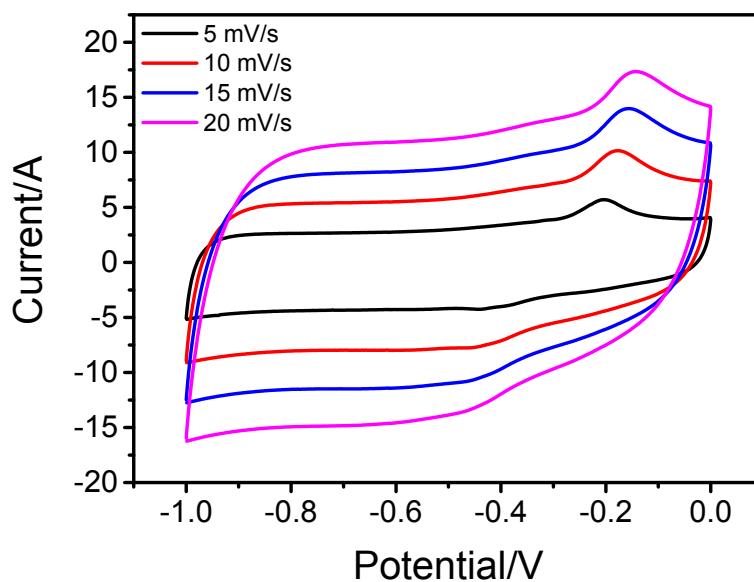


Fig. S11. CV curves of N-S-FHCF (MO) at different scan rates.

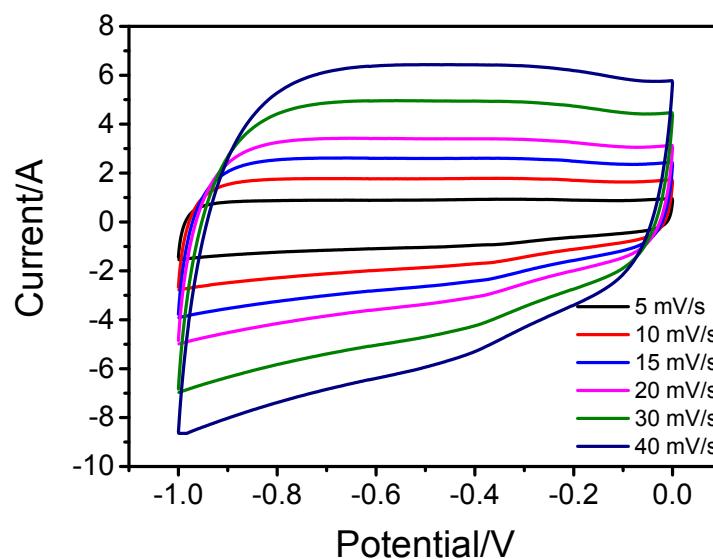


Fig. S12. CV curves of N-S-FHCF (CR) at different scan rates.

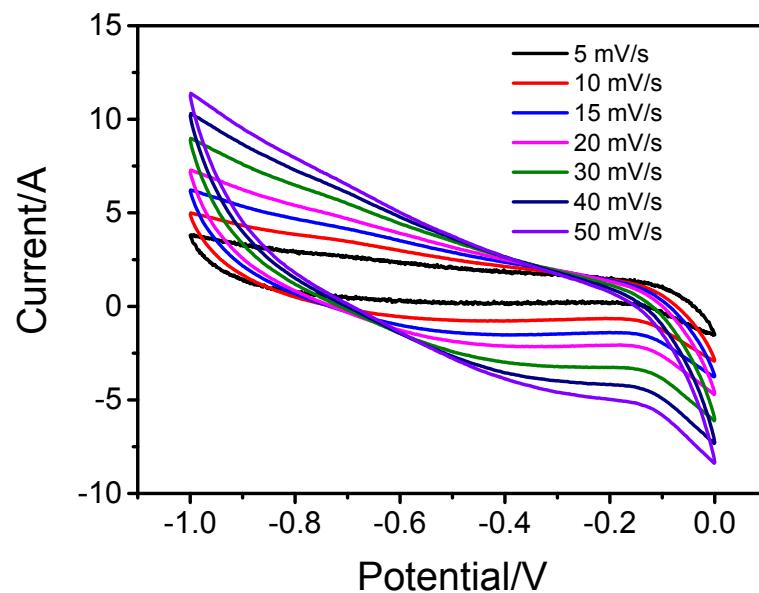


Fig. S13. CV curves of N-S-FHCF (AF) at different scan rates.

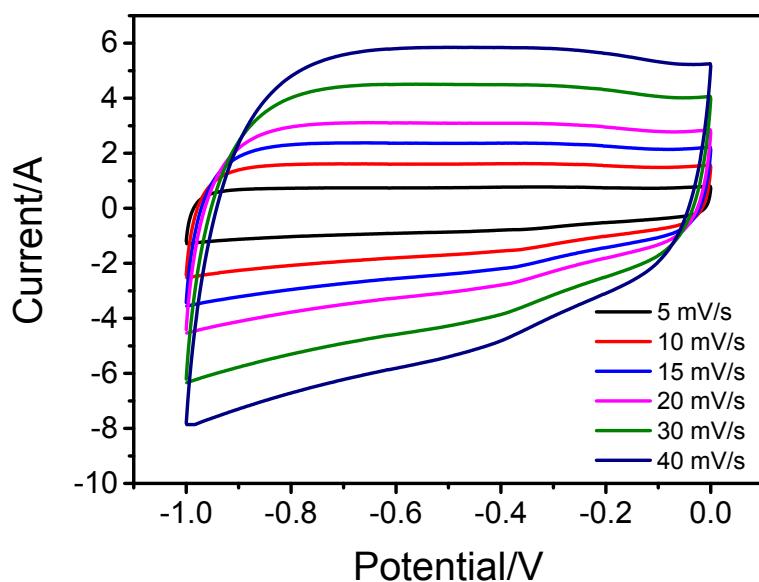


Fig. S14. CV curves of N-S-FHCF (MV) at different scan rates.

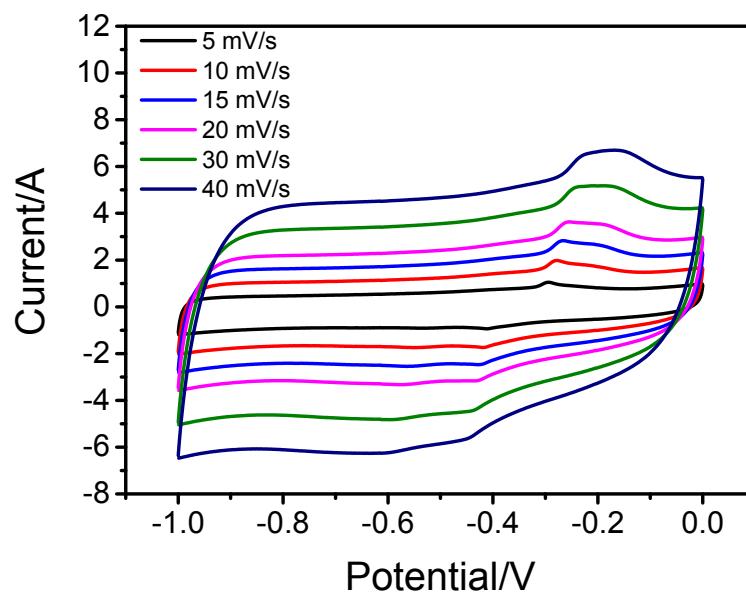


Fig. S15. CV curves of N-S-FHCF (RB) at different scan rates.

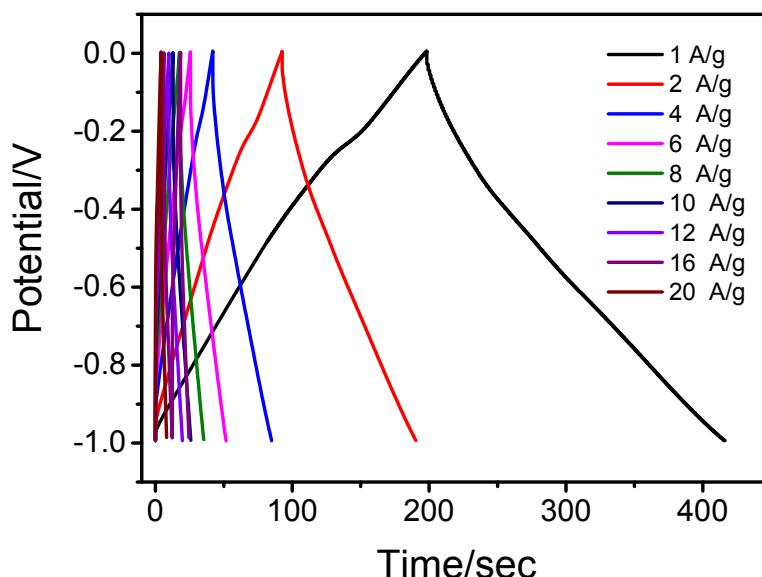


Table S16. GCD profiles of N-S-FHCF (MO) at various current densities.

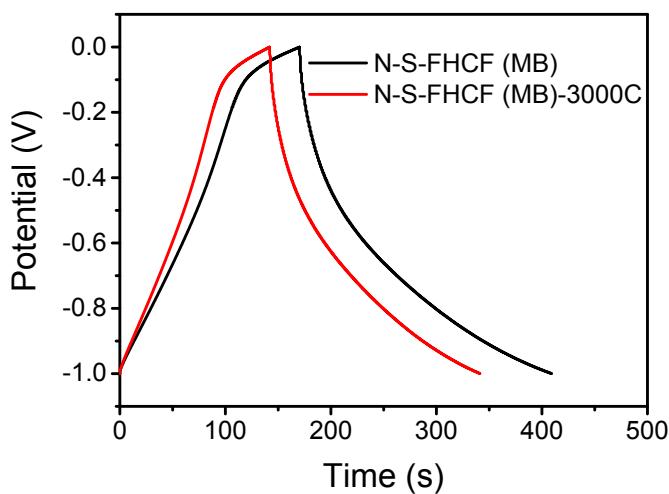


Table S17. 1st and 3000st GCD profiles of N-S-FHCF (MB) at 1 A/g.

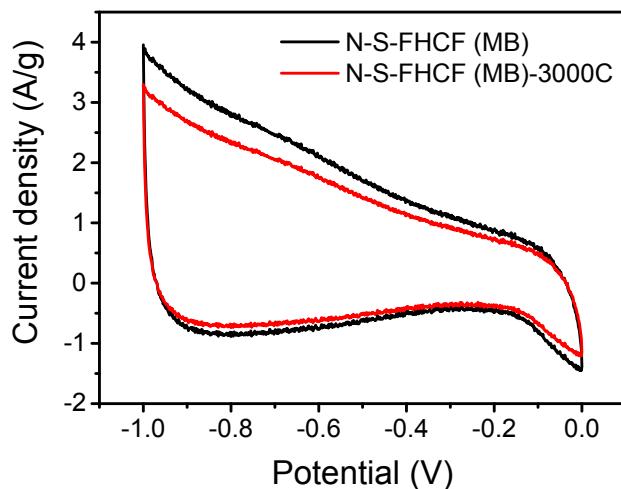


Table S18. 1st and 3000st CV curves of N-S-FHCF (MB) at scan rate of 5 mV/s.

Table S1. EIS fitting results of FHCF and N-S-FHCF (MB) electrodes.

	R_s	R_{ct}
FHCF	0.75Ω	3.59Ω
N-S-FHCF (MB)	0.34Ω	1.13Ω