

Electrospun single crystalline NiO nanofibers as cathode materials of high performance asymmetric supercapacitors

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Electronic Supplementary information

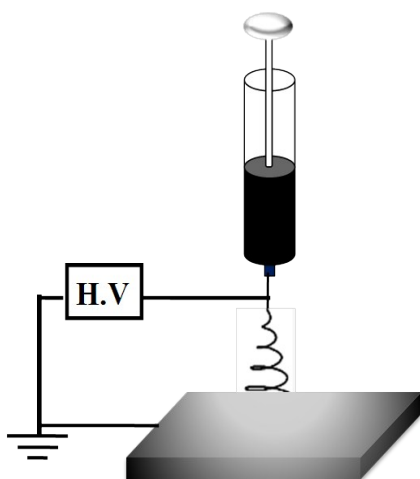


Fig S1. Schematic of electrospinning set up

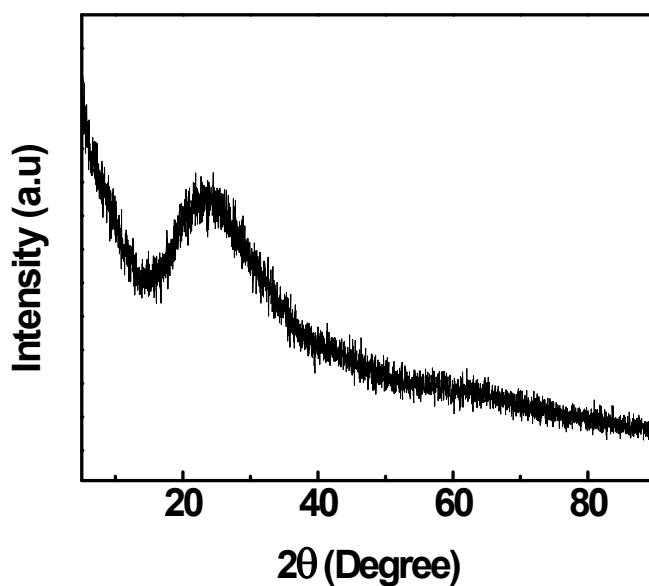


Fig. S2. XRD pattern of as-spun NiAc-PVP fibers

Table S1. Experimental details for NiAc-PVP solgel preparation

NiAc	Ethanol	DMF	PVP	Ethanol
0.5g	2 g	2 g	0.5 g	4 g

Table S2. Electrospinning parameters

Flow rate(mL/hr)	Working distance(cm)	Electric potential(kV)
1	15	20



Fig. S3. Photographic image of as-spun NiAc-PVP fibrous mat

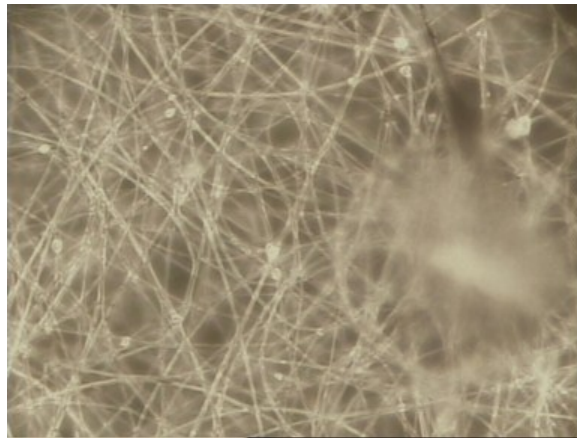


Fig. S4. Optical microscopic image of as-spun NiAc-PVP fibers

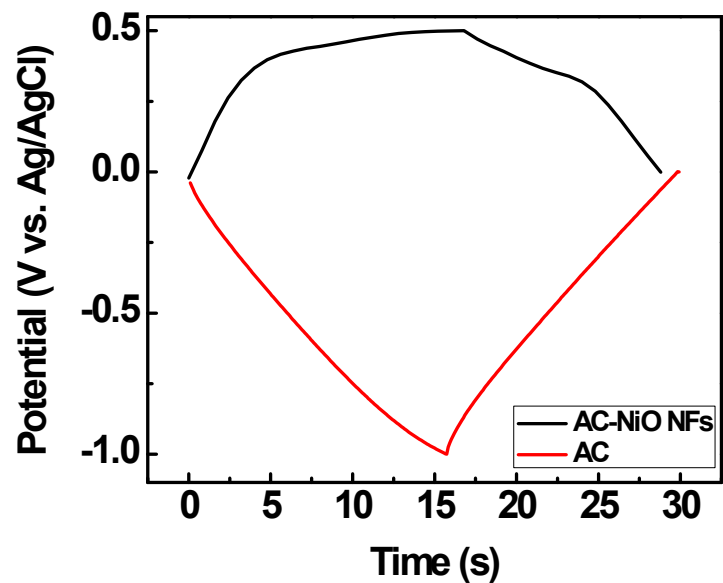


Fig. S5. Galvanostatic charging discharging curves of individual electrodes (AC and NiO NF-AC composite) plotted against Ag/AgCl electrode at a current density of 5 A/g

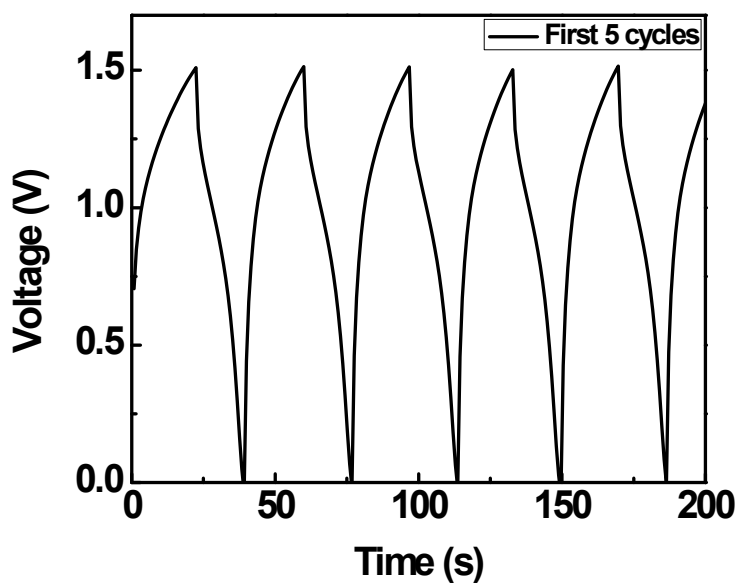


Fig. S6. First 5 cycles of 5000 galvanostatic charging discharging cycles performed at a current density of 10 A/g.