

Supporting Information

**3D interconnected networks of ternary hierarchical carbon  
nanofiber/MnO<sub>2</sub>/Ni(OH)<sub>2</sub> architecture as integrated electrodes for all-  
solid-state supercapacitors**

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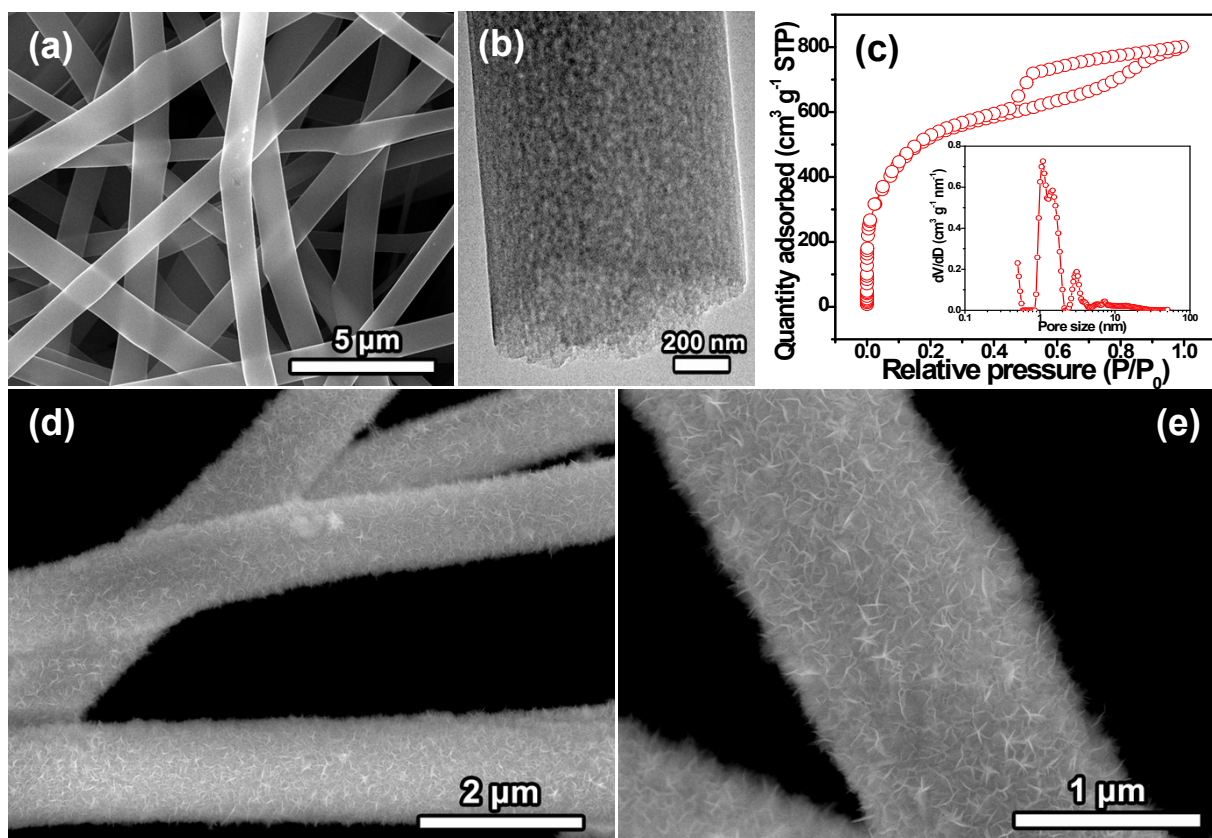
*Harbin 150025, P. R. China*

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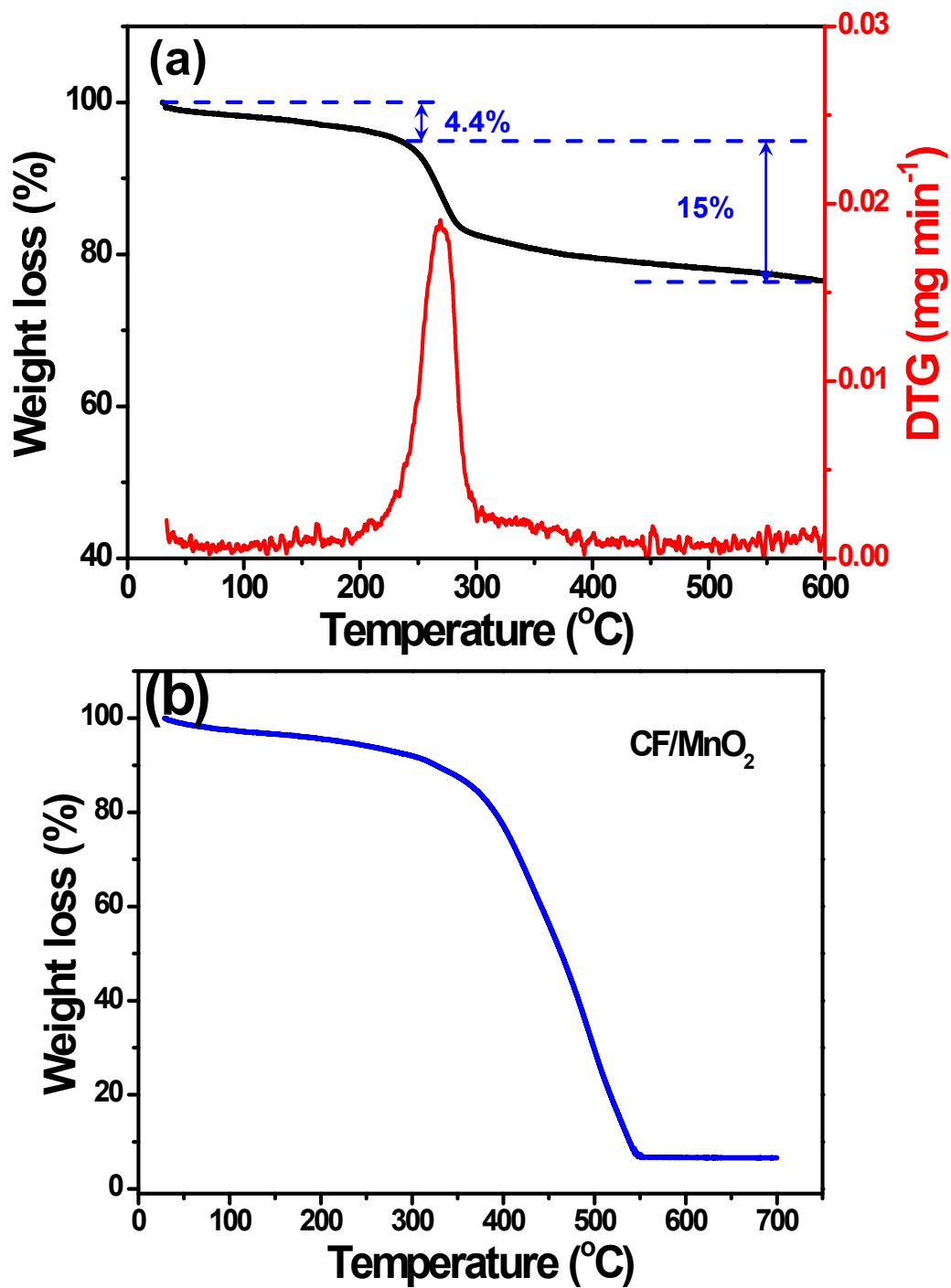
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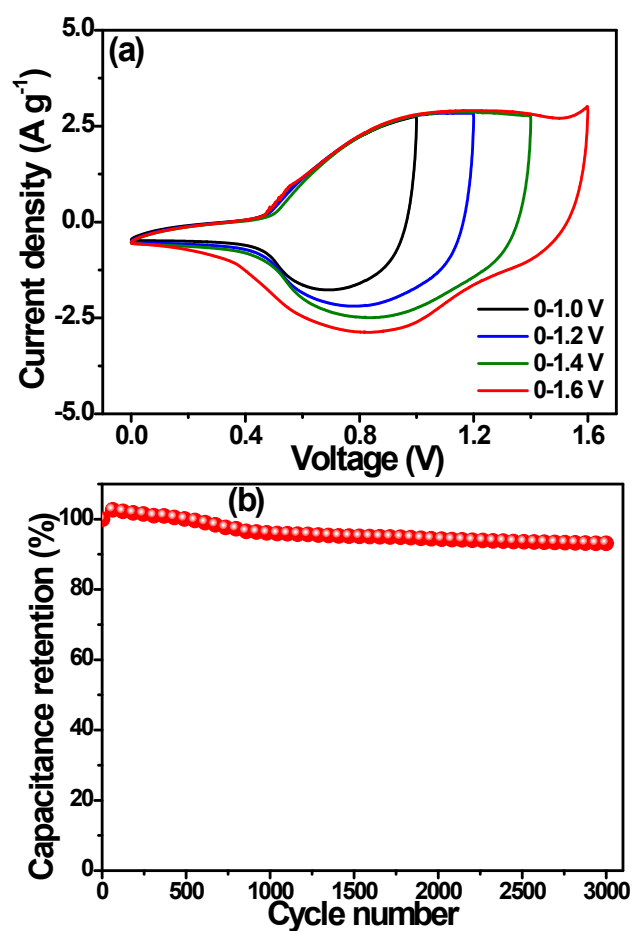
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**Fig. S1.** (a) SEM and (b) TEM images of the prepared CF substrate. (c) Nitrogen adsorption-desorption isotherm of the CFs (Inset: the corresponding pore size distribution curve). (d and e) SEM images of CF@Ni(OH)<sub>2</sub> hybrid without the presence of MnO<sub>2</sub> layer.



**Fig. S2.** (a) TGA and DTG curves of the as-prepared CF@MnO<sub>2</sub>@Ni(OH)<sub>2</sub> and (b) CF@MnO<sub>2</sub>.



**Fig. S3.** (a) CV curves of the CFs//CF@MnO<sub>2</sub>@Ni(OH)<sub>2</sub> all-solid-state ASC device measured at different voltage windows with PVA/KOH gel electrolyte. (b) Cycling performance of the all-solid-state ASC device measured at 50 mV s<sup>-1</sup> over 3000 cycles.