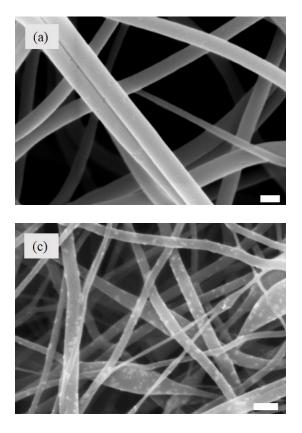
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## **Electronic Supplementary Information**

## Using Common Salt to Impart Pseudocapacitive Functionalities to Carbon Nanofibers

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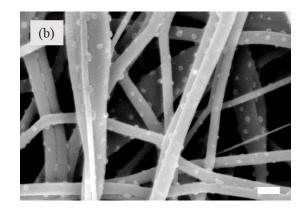


Fig. S1. SEM images of carbonized (a) CNF-0, (b) CNF-4, and (c) CNF-7 nanofibers. Scale bar is 200 nm.

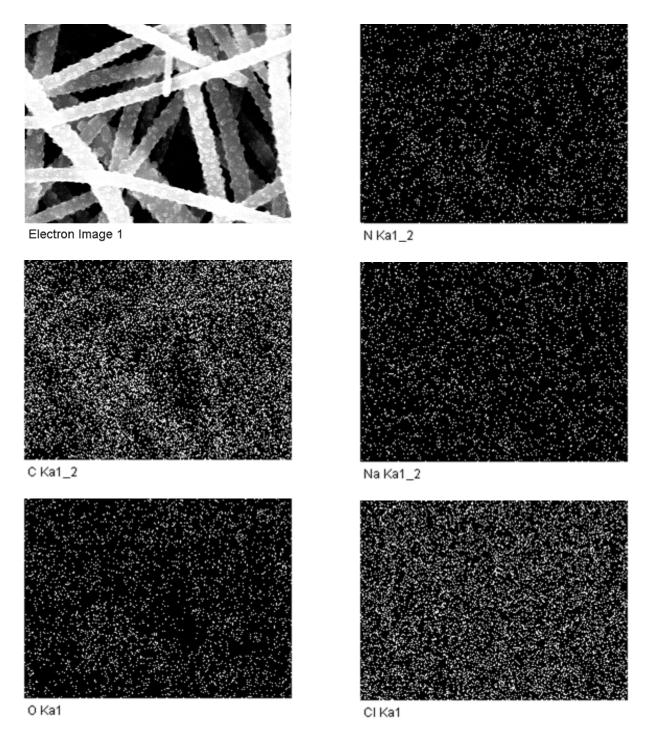


Fig. S2. EDS mapping of carbonized CNF-13 nanofibers showing uniform distribution of sodium and chlorine on the surface of nanofibers.

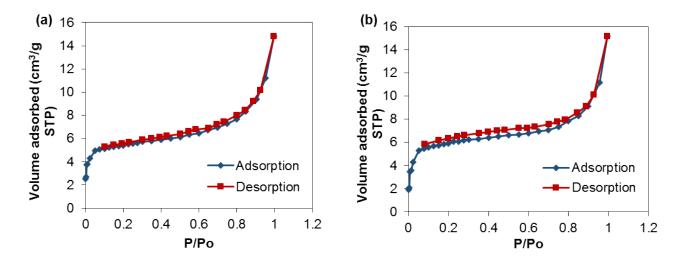
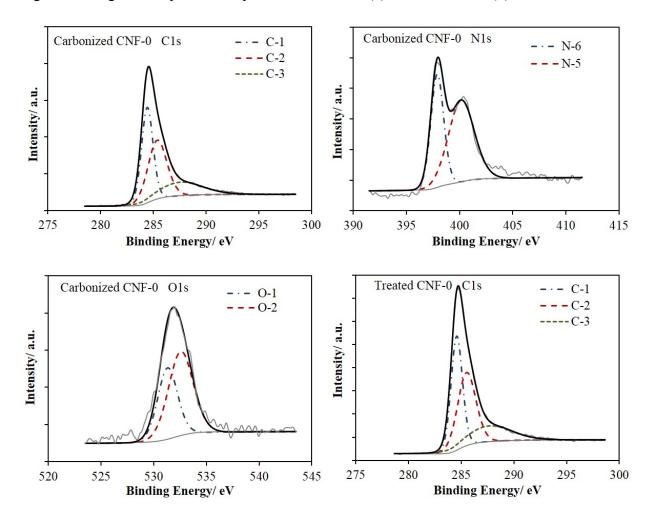


Fig. S3. Nitrogen adsorption-desorption isotherms for (a) carbonized and (b) treated CNF-13.



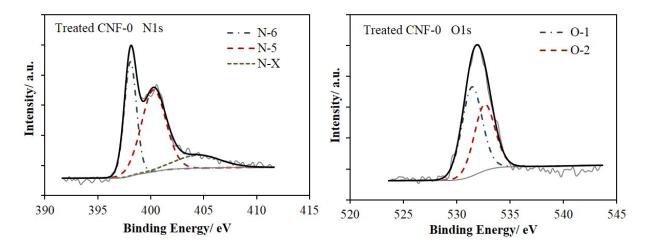


Fig. S4. Deconvoluted C1s, N1s, and O1s XPS peaks for carbonized and treated CNF-0 samples.

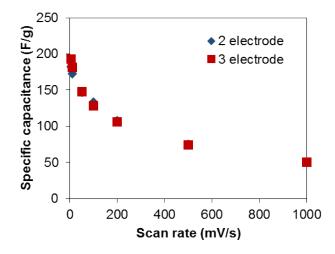
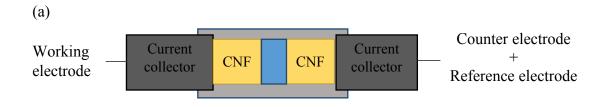


Fig. S5. Comparison of specific capacitance data of treated CNF-13 with 2-electrode and 3-electrode test cells at different scan rates in  $1 \text{ M H}_2\text{SO}_4$ .



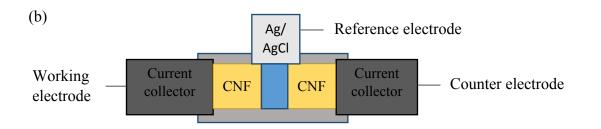


Fig. S6. Schematic of (a) 2-electrode and (b) 3-electrode setup.