

Electrochemical fabrication and evaluation of self-standing carbon nanotube/carbon fiber composite electrode for lithium-ion batteries
(Electronic Supplementary Information)

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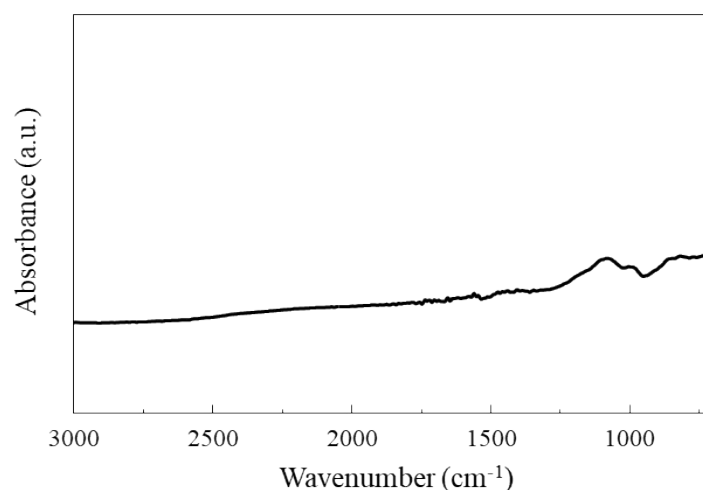


Fig. S1 FT-IR spectrum of CNT/CF composite prepared by electrophoretic deposition.

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Table S1. Summary of the best fitting results for the impedance spectra of CF and CNT/CF electrodes. (Frequency range: 0.1 MHz to 0.1 Hz)

Element	CF	CNT/CF
R_s	3.189	12.47
R_{int}	2638	Unused
C_{int}	0.014	
R_{SEI}	3605	58.34
$CPE_{\text{SEI-T}}$	6.12×10^{-4}	8.44×10^{-6}
$CPE_{\text{SEI-P}}$	0.705	0.824
R_{ct}	6.041	44.72
C_{ct}	4.91×10^{-7}	1.80×10^{-5}
$W\text{-R}$	228.6	263.6
$W\text{-T}$	1.86×10^{-3}	2.978
$W\text{-P}$	0.455	0.440