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Electronic Supplementary Information

Waste Utilization of Crab Shell: 3D Hierarchically Porous Carbon Towards High-Performance Na/Li Storage

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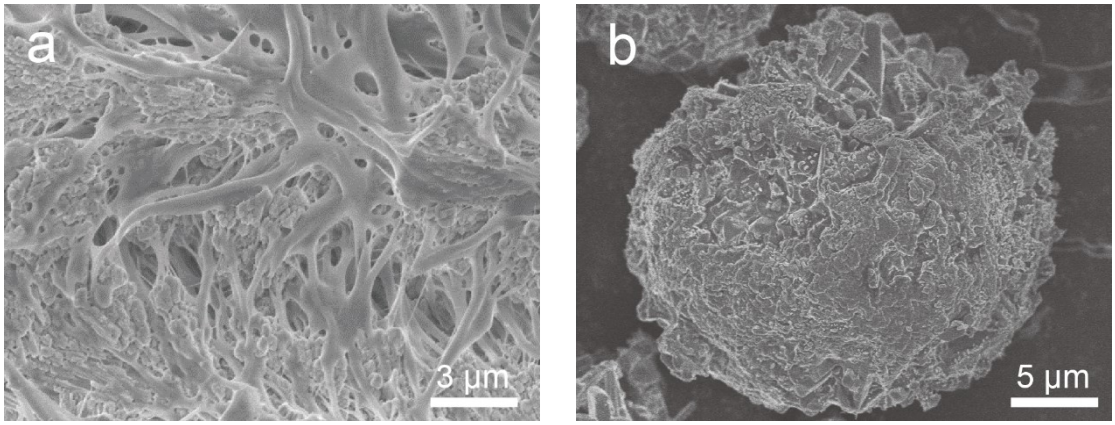

Figure S1. SEM images of (a) crab shell and (b) iron p-toluenesulfonate.

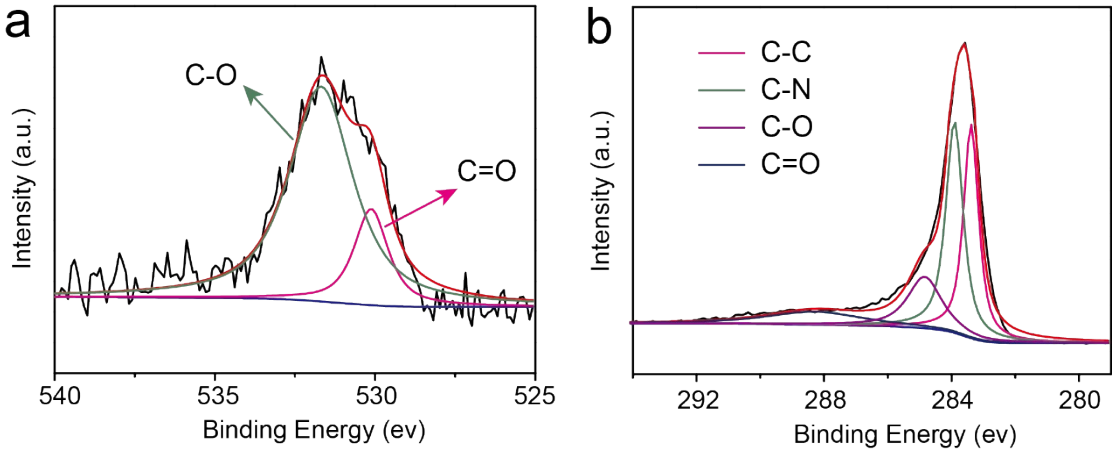

Figure S2. The XPS spectra of CF-x sample: a) O 1s core-level and b) C 1s core-level.

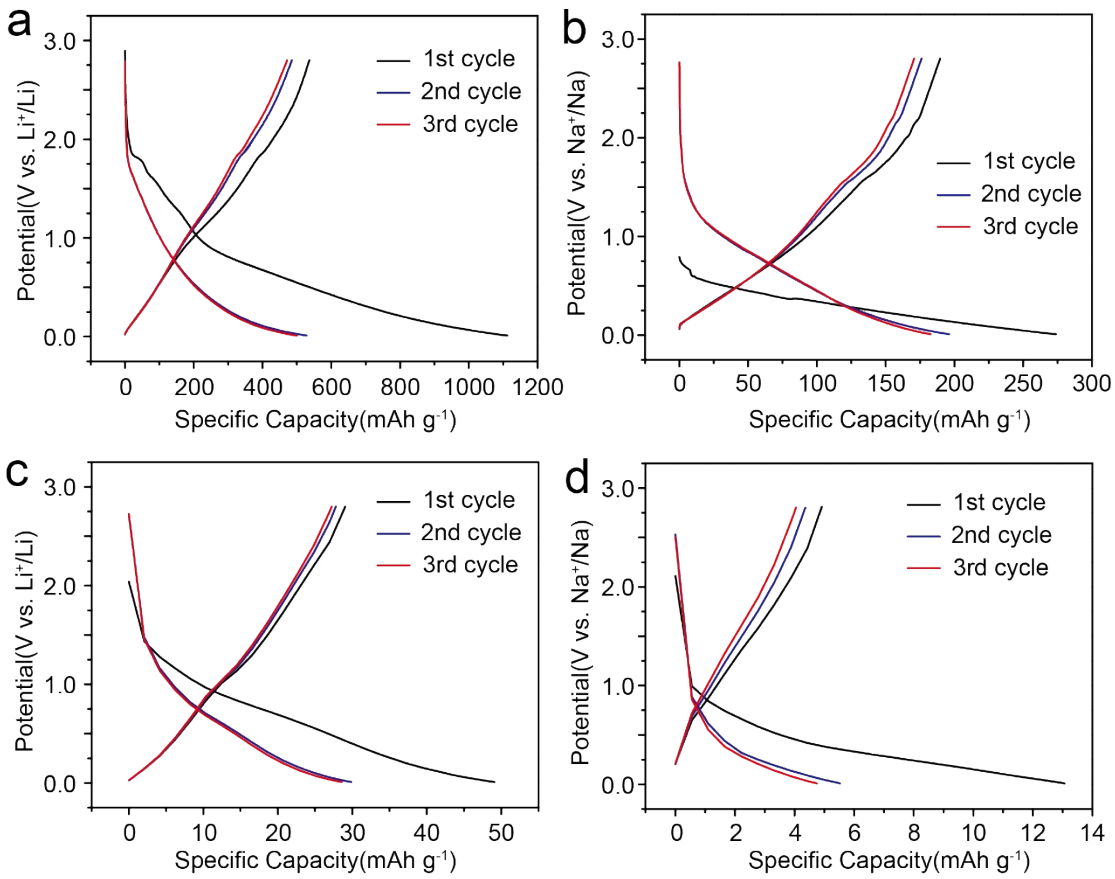

Figure S3. Galvanostatic charge-discharge profiles for the first three cycles at 50 mA g^{-1} for iron p-toluenesulfonate sample after carbonization at 800°C and acid treatment (a) in LIBs; (b) in SIBs; Galvanostatic charge-discharge profiles for the first three cycles at 50 mA g^{-1} for crab shell sample after carbonization at 800°C (a) in LIBs; (b) in SIBs.

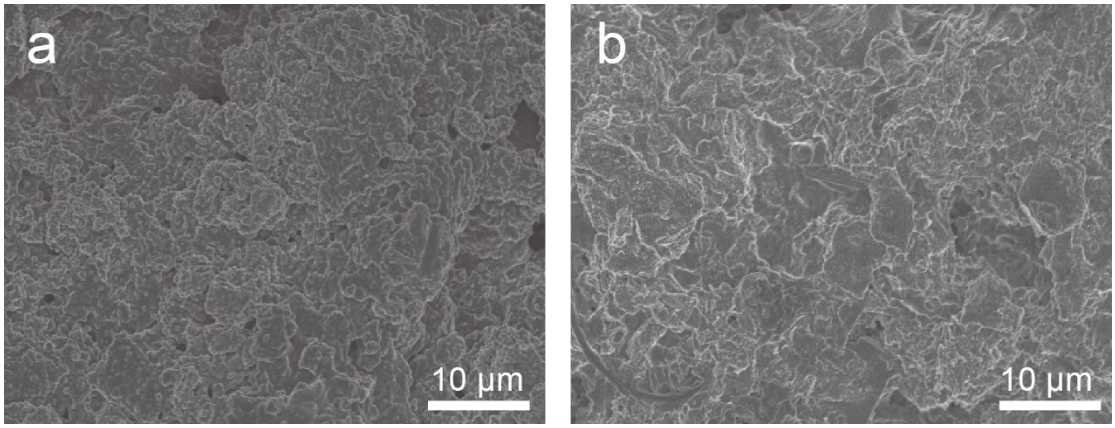

Figure S4. The SEM images of CF-800 cycled after 100 cycles (a) in LIBs; (b) in SIBs.

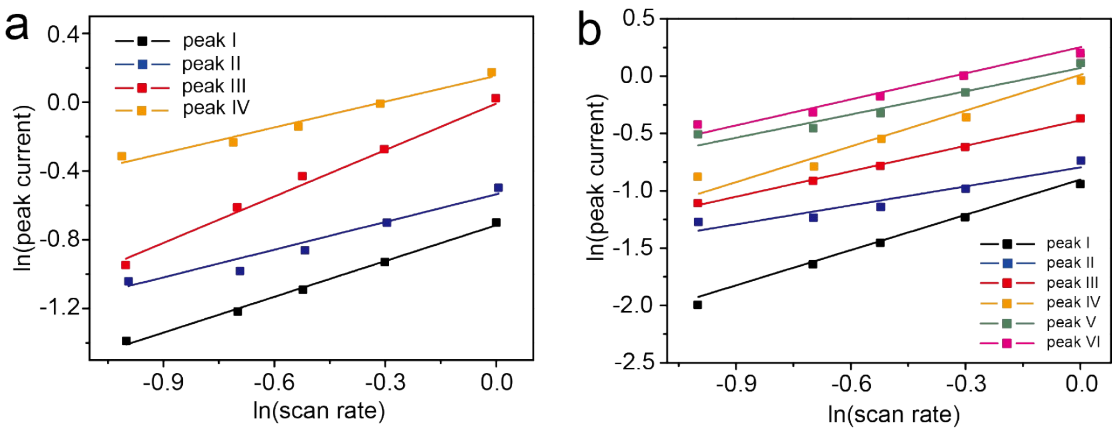

Figure S5. The value of b (slope) at different peak currents after linear fitting: (a) LIBs; (b) SIBs.