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Supporting information

Hierarchically Porous Carbon Architectures Embedded with Hollow Nanocapsules for High-performance Lithium Storage

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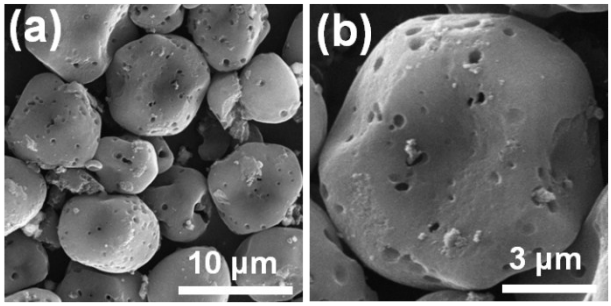

Figure S1. SEM images of the HNs-HPCS–A sample.

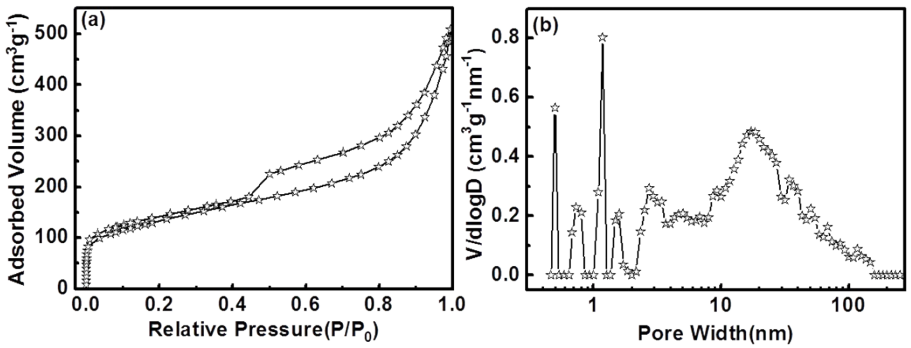

Figure S2. Nitrogen adsorption-desorption isotherms (a), DFT desorption pore-size distribution (b) of the HNs-HPCS–A sample.

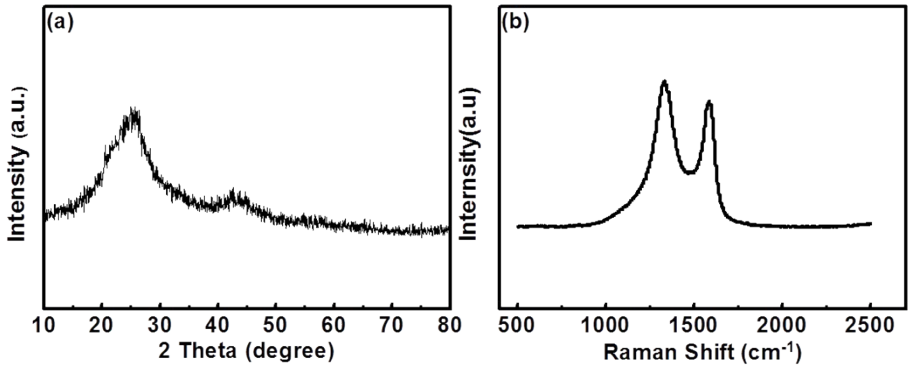

Figure S3. XRD pattern (a) and Raman spectrum (b) of the HNs-HPCS-A sample.

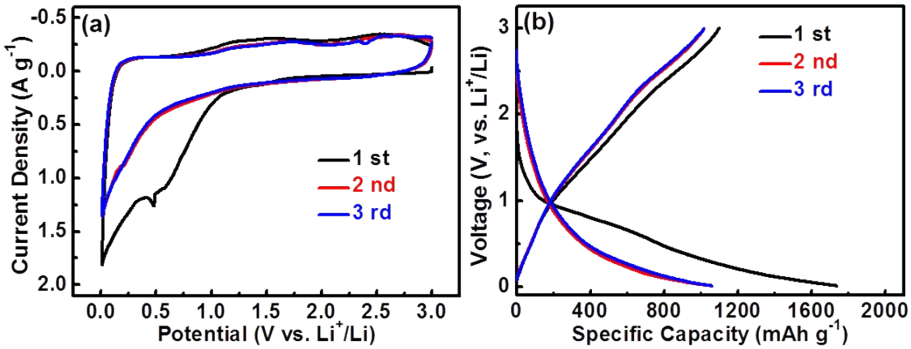

Figure S4. The CV plots in the first three cycles between 0.01 V and 3.0 V at a scanning rate of 0.1 mV s^{-1} (a), and the charge/discharge curves at a current density of 0.1 A g^{-1} (b) of the HNs-HPCS-A sample.

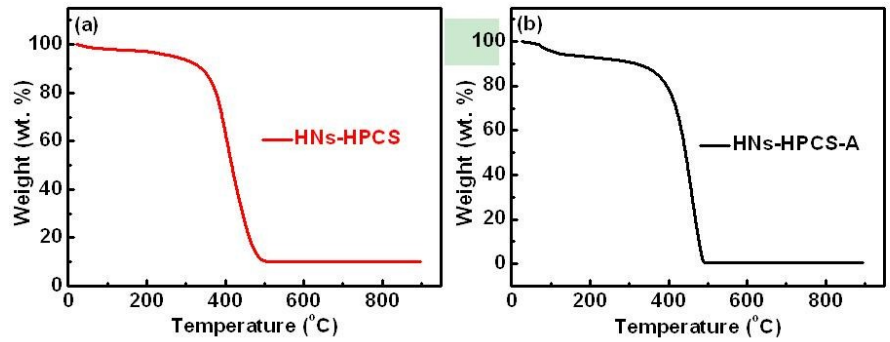

Figure S5. Thermogravimetric analysis curves of the HNs-HPCS (a) and HNs-HPCS-A (b) samples conducted in air with a ramp rate of 10 °C min^{-1}.