

Supporting Information

Micro-sized Porous Carbon Spheres with Ultra-High Rate Capability for Lithium Storage

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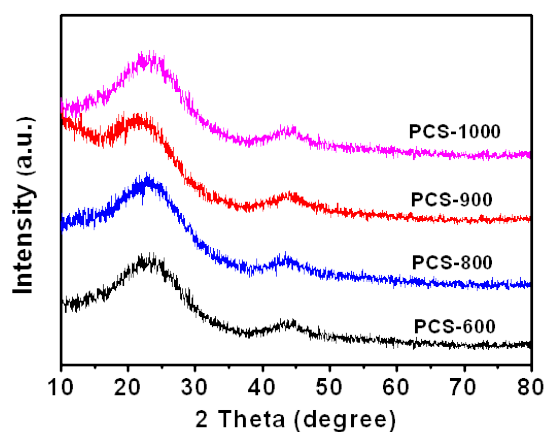


Figure S1. XRD patterns of the PCS samples obtained at different carbonization temperatures.

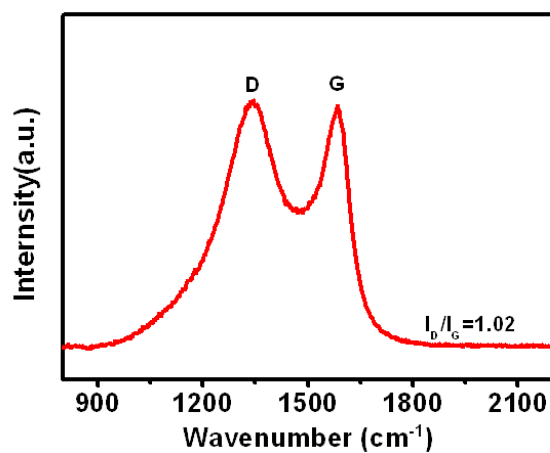


Figure S2. Raman spectrum of the PCS-900 sample.

Table S1. Pore structure parameters of the as-prepared samples.

Sample	S_{BET}	S_{mic}	S_{meso}	V_{t}	V_{mic}
	($\text{m}^2 \text{g}^{-1}$)	($\text{m}^2 \text{g}^{-1}$)	($\text{m}^2 \text{g}^{-1}$)	($\text{cm}^3 \text{g}^{-1}$)	($\text{cm}^3 \text{g}^{-1}$)
PCS-600	364	321	43	0.182	0.125
PCS-800	432	396	46	0.185	0.156
PCS-900	559	490	69	0.239	0.192
PCS-1000	90	67	23	0.049	0.026

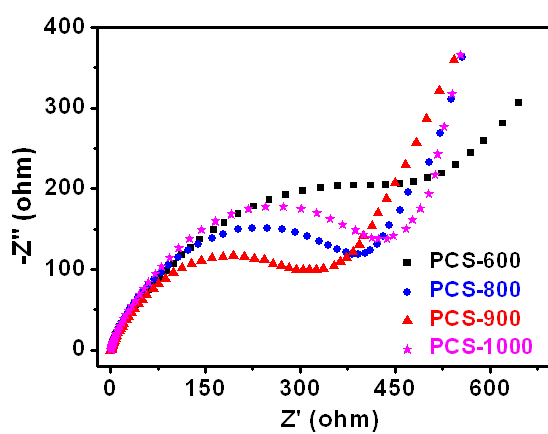


Figure S3. Nyquist plots of the PCS electrodes obtained by applying a sine wave with amplitude of 5.0 mV over the frequency range 100 kHz-0.005 Hz.

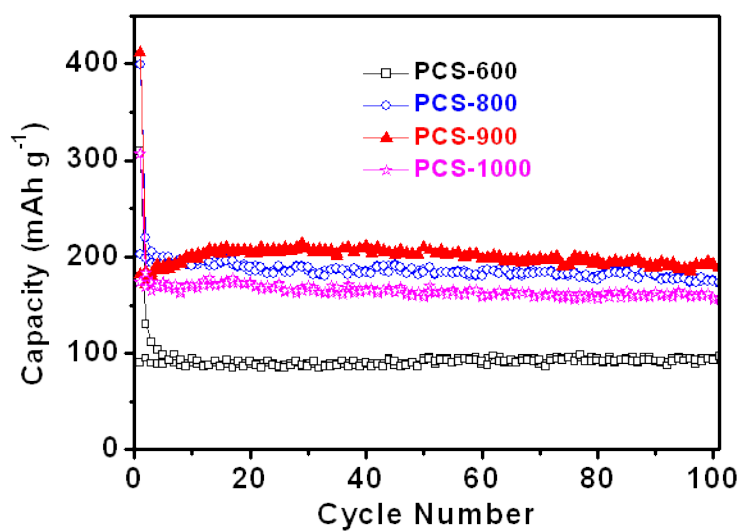


Figure S4. Cycling performance of the PCS samples at a large current density of 10 A g^{-1} .

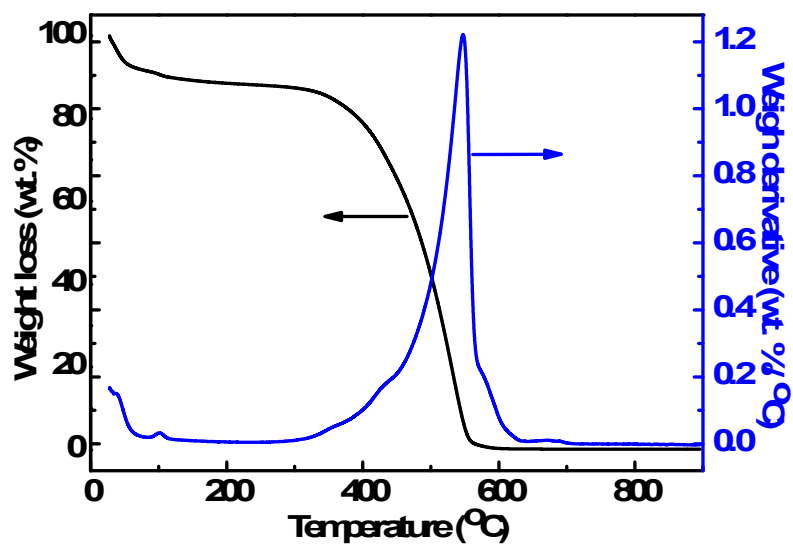


Figure S5. TG and DTG curves of the PCS-900, indicative of very low ash content.