

Conversion of Biological Waste into Porous Carbon with Hierarchical Porous Architecture for High-Performance Supercapacitors

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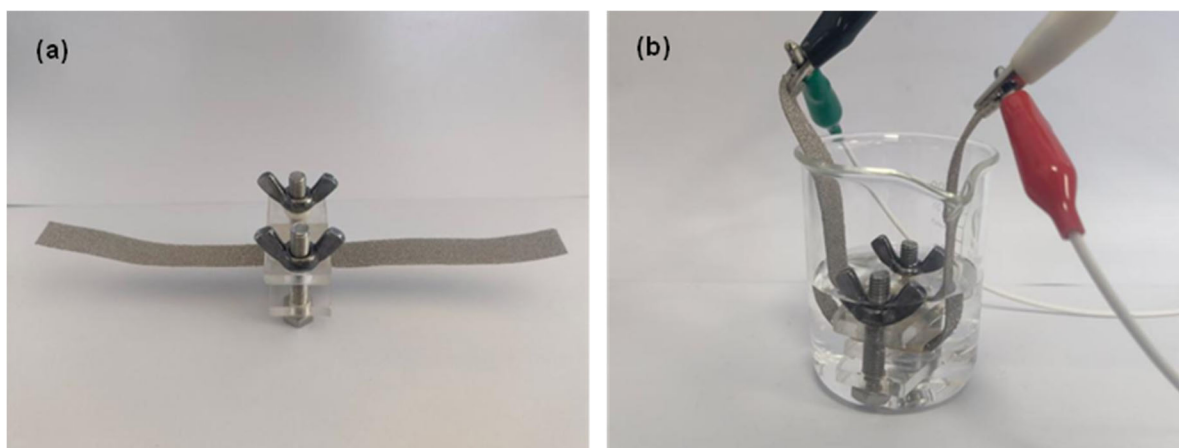


Figure S1. Assembly (a) and testing (b) of symmetrical capacitor.

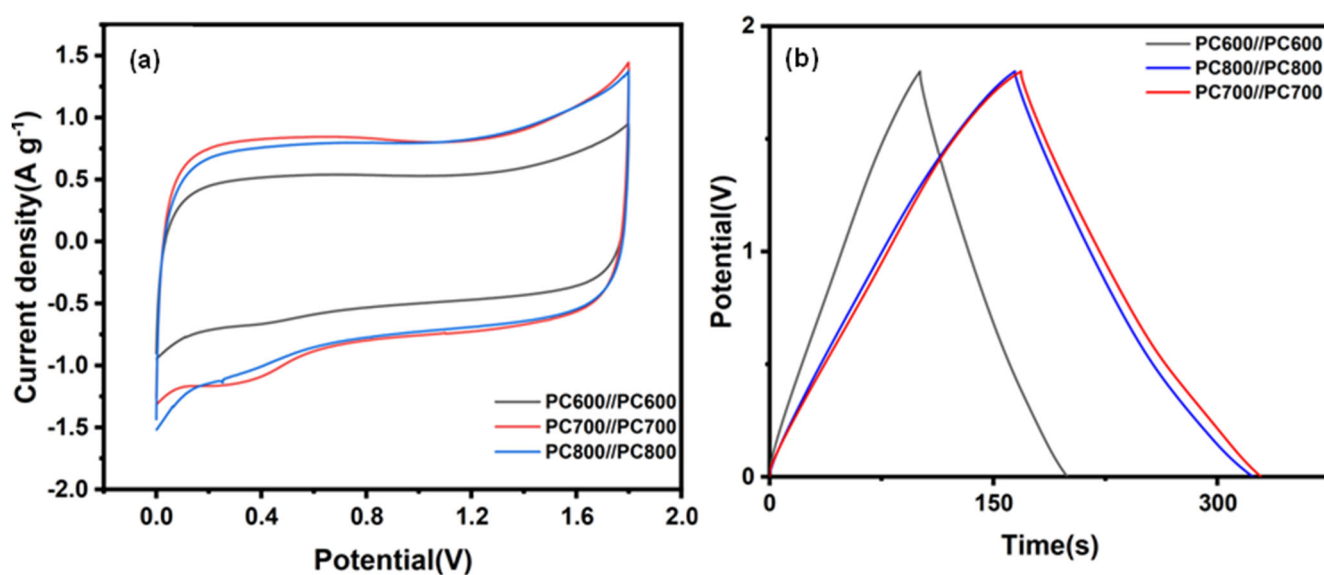


Figure S2. Electrochemical performance of electrodes fabricated at various carbonization temperatures: (a) CV curves at 20 mV s⁻¹; (b) galvanostatic charge - discharge curves at 0.5 A g⁻¹. The temperatures in the legends denote the carbonization temperatures, not the measurement temperatures.

Table S1. Comparison of resistances among the PC-600//PC-600, PC-700//PC-700, and PC-800//PC-800 supercapacitors.

Samples	R_s	R_{ct}
PC-600	1.49	1.826
PC-700	1.14	0.59
PC-800	1.27	1.61

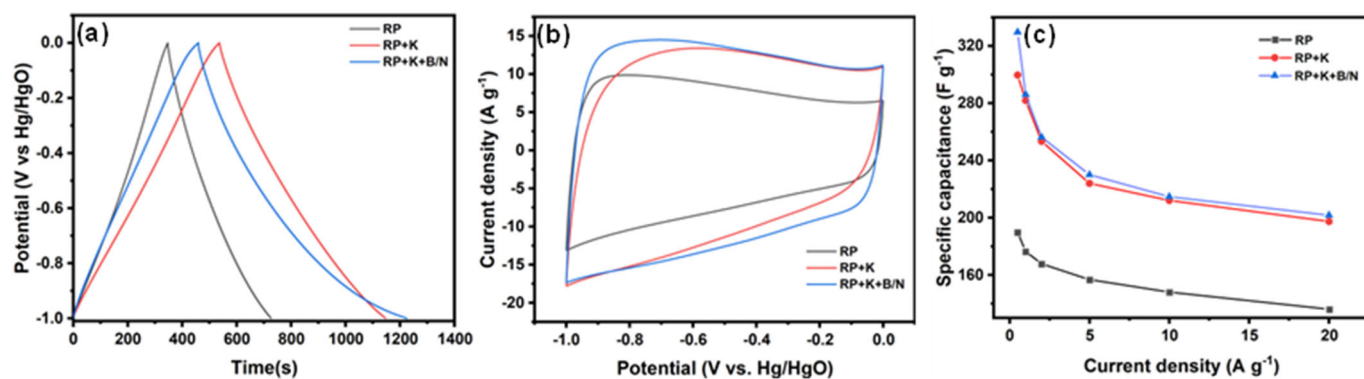


Figure S3. (a) CP curves of samples at 0.5 A g⁻¹; (b) CV curves of samples in different voltage ranges at 50 mV s⁻¹; (c) specific capacitance of PC samples.