

Supporting Information for

Green synthesis of nitrogen-doped porous carbon derived from rice straw
for high-performance supercapacitor application

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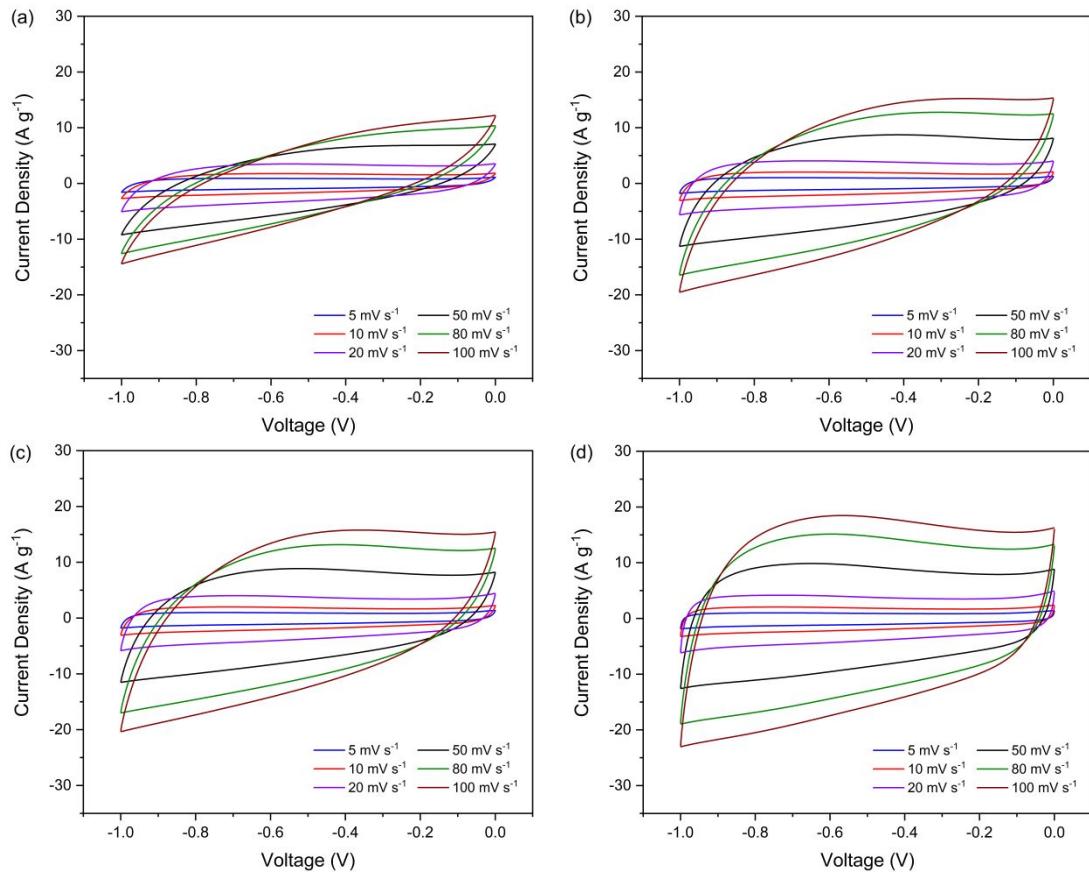


Fig. S1. CV curves of the porous carbons measured in the three-electrode system at various scan rates. (a) AC-KB-2; (b) AC-KB-4; (c) AC-KB-6 and (d) AC-KOH.

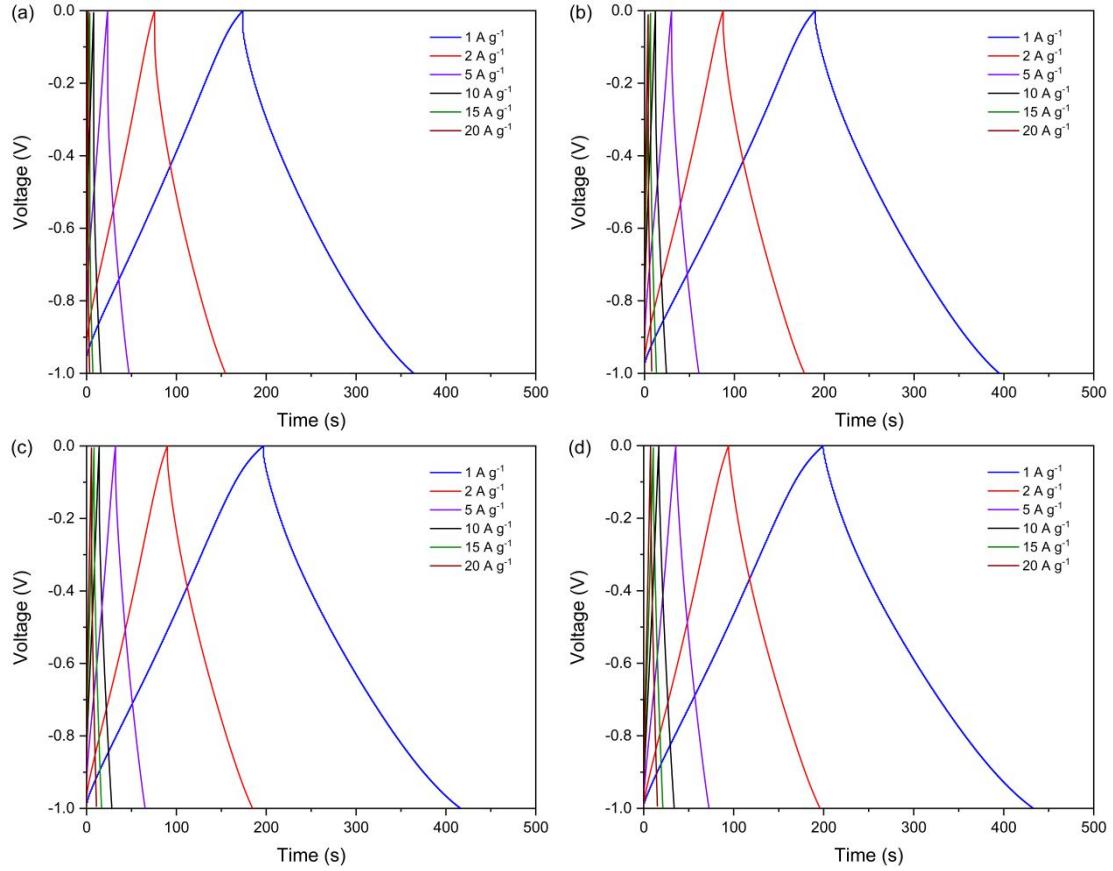


Fig. S2. GCD curves of the porous carbons measured in the three-electrode system at different current densities. (a) AC-KB-2; (b) AC-KB-4; (c) AC-KB-6 and (d) AC-KOH.

Table S1 Comparison of reported PCs derived from different bio-sources materials for SCs.

Carbon precursors	Activation agent	Specific capacitance (F g^{-1})	Electrolyte	Current density	Reference
Glucose	KOH	281	6 M KOH	1.0 A g^{-1}	[1]
Tobacco rods	KOH	287	6 M KOH	0.5 A g^{-1}	[2]
Prawn shell	KOH	315	6 M KOH	0.2 A g^{-1}	[3]
Willow catkin	KOH	242	6 M KOH	1.0 A g^{-1}	[4]
Shiitake mushroom	KOH	306	6 M KOH	1.0 A g^{-1}	[5]
Bamboo byproduct	KOH	301	6 M KOH	1.0 A g^{-1}	[6]
Corncobs	KOH	297.7	6 M KOH	1.0 A g^{-1}	[7]
Carageenan	KOH	261	6 M KOH	0.5 A g^{-1}	[8]
Rice straw	KHCO_3	317	6 M KOH	1.0 A g^{-1}	This work

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