

Supporting information

Constructing interconnected microporous structure in carbon by homogeneous activation as a sustainable electrode material for high-performance supercapacitors

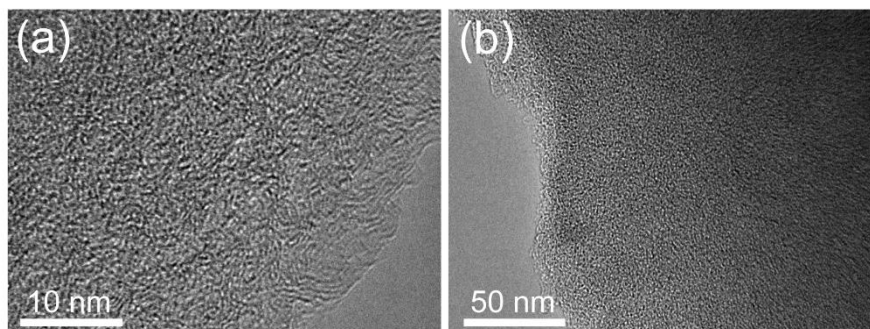


Figure S1. TEM images of XYC-2

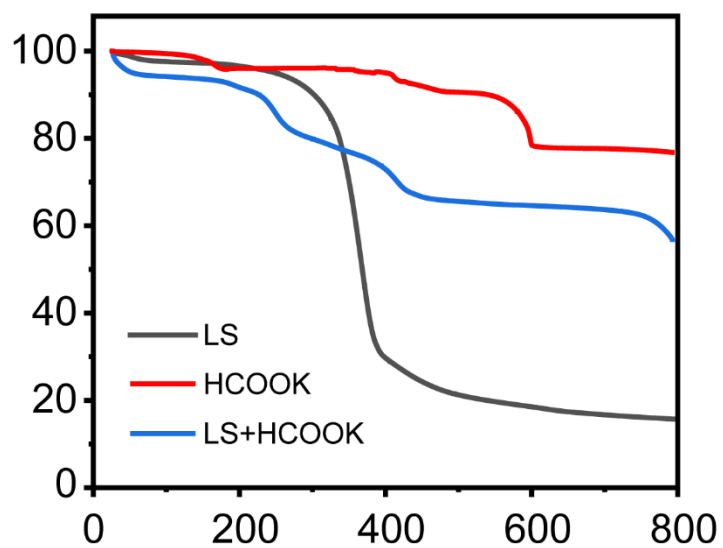


Figure S2. (a) TG curves of different samples

Table S1. Pore structure parameters of as-obtained samples.

sample	SSA (m ² g ⁻¹)			Pore volume (cm ³ g ⁻¹)		
	S _{BET}	S _{micro}	S _{micro} /S _{BET}	V _{total}	V _{Micro}	D _{aver} (nm)
XYC-1	1619	1366	0.84	0.66	0.53	1.66
XYC-2	1834	1480	0.81	0.86	0.59	1.71
XYC-3	1802	1383	0.77	0.68	0.56	1.75

S_{BET}: The specific surface area calculated by BET method;

S_{micro}: t-Plot Micropore Area;

V_{total}: Single point adsorption total pore volume at P/P_o = 0.995;

V_{micro}: t-Plot Micropore Area;

D_{aver}: Average pore width calculated by 4V_{total}/S_{BET}.

Table S2. Surface chemical compositions of the prepared samples

Sample	C	O	O-I	O-II	O-III
	(at%)	(at%)	(at%)	(at%)	(at%)
XYC-1	87.98	10.42	3.25	4.51	2.66
XYC-2	88.97	9.28	5.48	2.31	1.49
XYC-3	88.26	9.91	2.91	4.55	2.45