Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.
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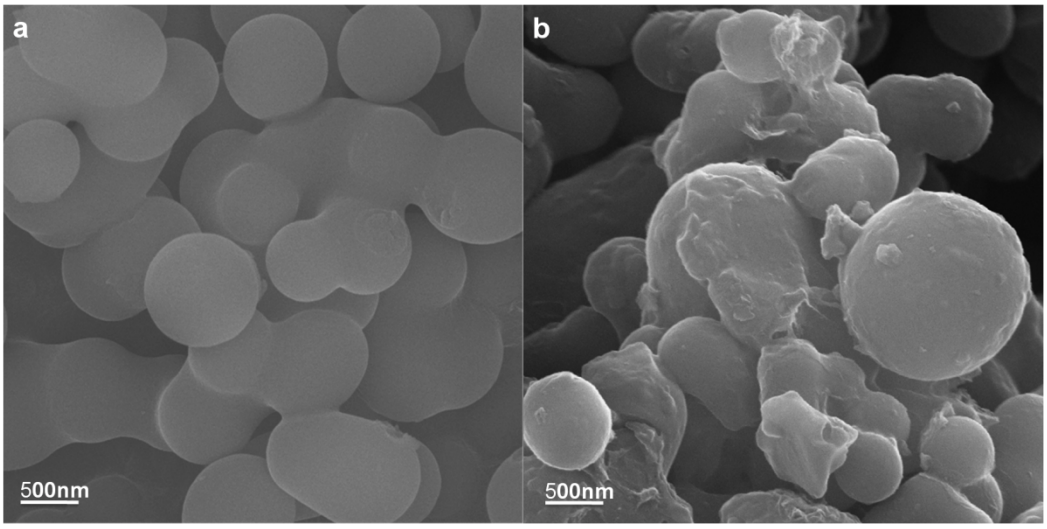

Figure S1 SEM images of (a) Glu/EDA and (b) Glu/RGO.

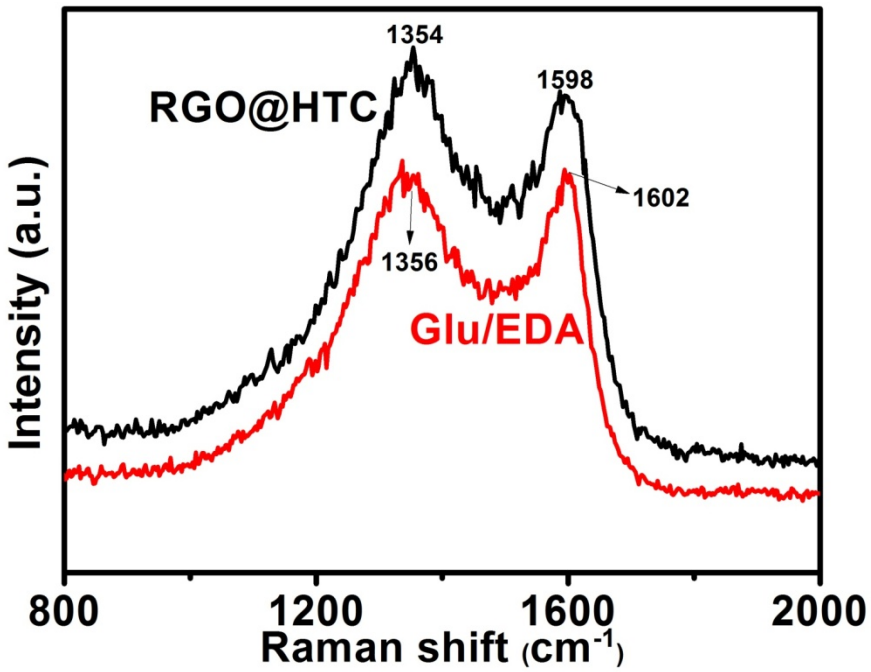

Figure S2 Raman spectra of RGO@HTC and Glu/EDA.

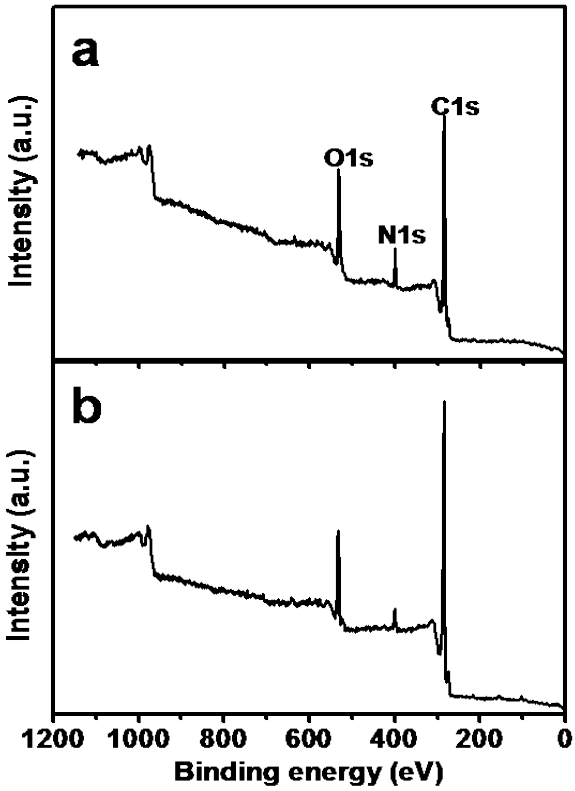

Figure S3 Entire XPS spectra of (a) Glu/EDA and (b) RGO@HTC.

Table S1 Mass evolutions of RGO@HTC and pure GO.

Reactants	Product mass after hydrothermal	Product mass after KOH activation	GO mass percents in the products
4 g Glucose, 1 mL EDA, 40 mg GO	0.45 g	0.14 g	3.6%
200 mg GO	0.1 g	0.025 g	100%

Table S2 Specific surface areas and pore properties of the carbonaceous composites activated at different Carbon/KOH mass ratios.

Carbon/KOH weight ratio	S_{BET} /m^2 g^{-1}	Pore volume /cm^3 g^{-1}	Average pore size /nm
1:2	2745	0.350	0.67
1:1	1886	0.164	0.61
2:1	1749	0.405	0.65
3:1	1796	0.177	0.61
4:1	1240	0.115	0.62

Table S3 Characteristics of N1s peaks in XPS spectra of RGO@HTC and Glu/EDA.

Attribution	Glu/EDA		RGO@HTC	
	Position (eV)	**Atomic percent (%)**	**Position (eV)**	**Atomic percent (%)**
Pyridine-N	398.5	11.8	399.0	34.7
Pyrrolic-N	400.1	57.0	399.9	37.9
Quaternary-N	401.1	31.2	400.8	27.4

Table S4 Characteristics of C1s peaks in XPS spectra of RGO@HTC and Glu/EDA.

Attribution	Glu/EDA		RGO@HTC	
	Position (eV)	**Atomic percent (%)**	**Position (eV)**	**Atomic percent (%)**
C-C	284.8	62.2	284.7	66.0
C-N	285.9	10.5	285.7	24.0
C-O	286.5	11.5	286.5	7.2
C=O	287.8	15.8	287.8	2.8