

Supplementary Information

Air-expansion induced hierarchically porous carbonaceous aerogels from biomass materials with superior lithium storage properties

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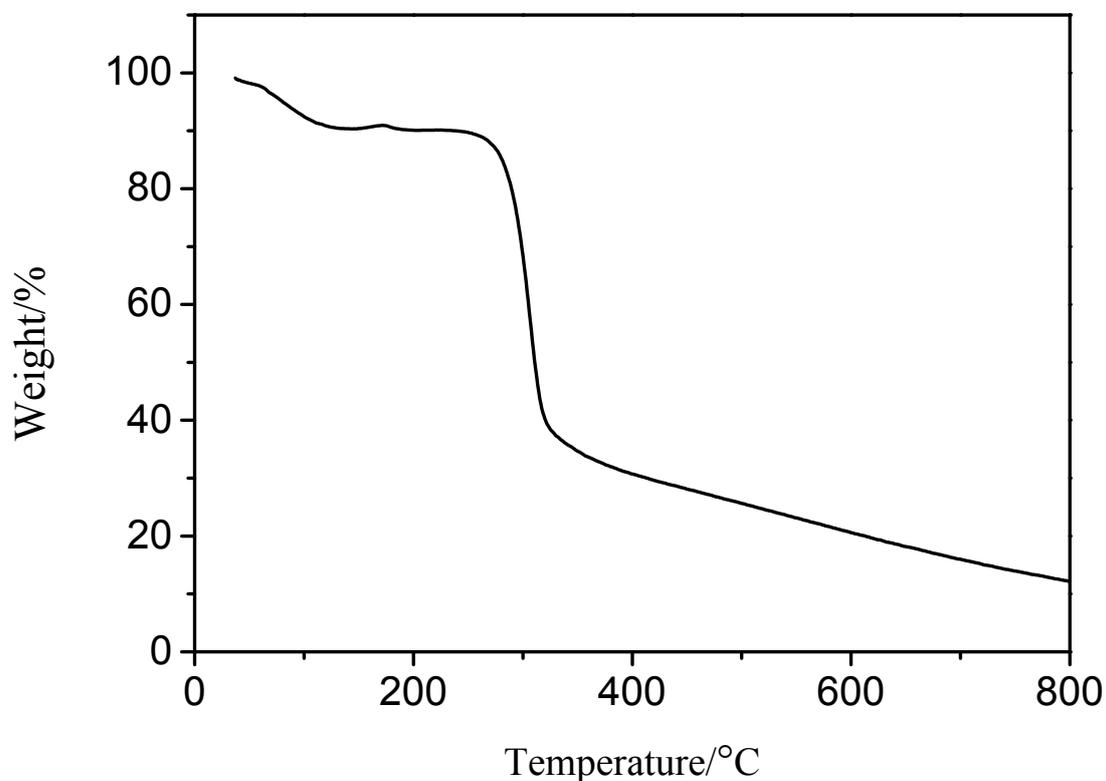


Fig S1. TGA curve of puffed rice under N₂ with a ramp of 10 °C min⁻¹.

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Table S1. Elemental analysis and contents of the N functionalities for the samples.

	Elemental analysis (wt%)			XPS(At%)		% of N1s		
	C	H	N	C	N	N-Q	N-5	N-6
PFC-500	82.72	3.06	2.295	87.04	1.33	35.08	34.71	30.2
PFC-600	86.87	2.26	2.295	88.43	1.3	35.5	28.94	35.56
PFC-700	87.65	1.51	2.105	85.37	0.89	37.07	27.55	35.38