

Supporting Information Section for Chemical Engineering Journal

The adsorption mechanisms of ClO_4^- onto highly graphited and hydrophobic porous carbonaceous material from Biomass

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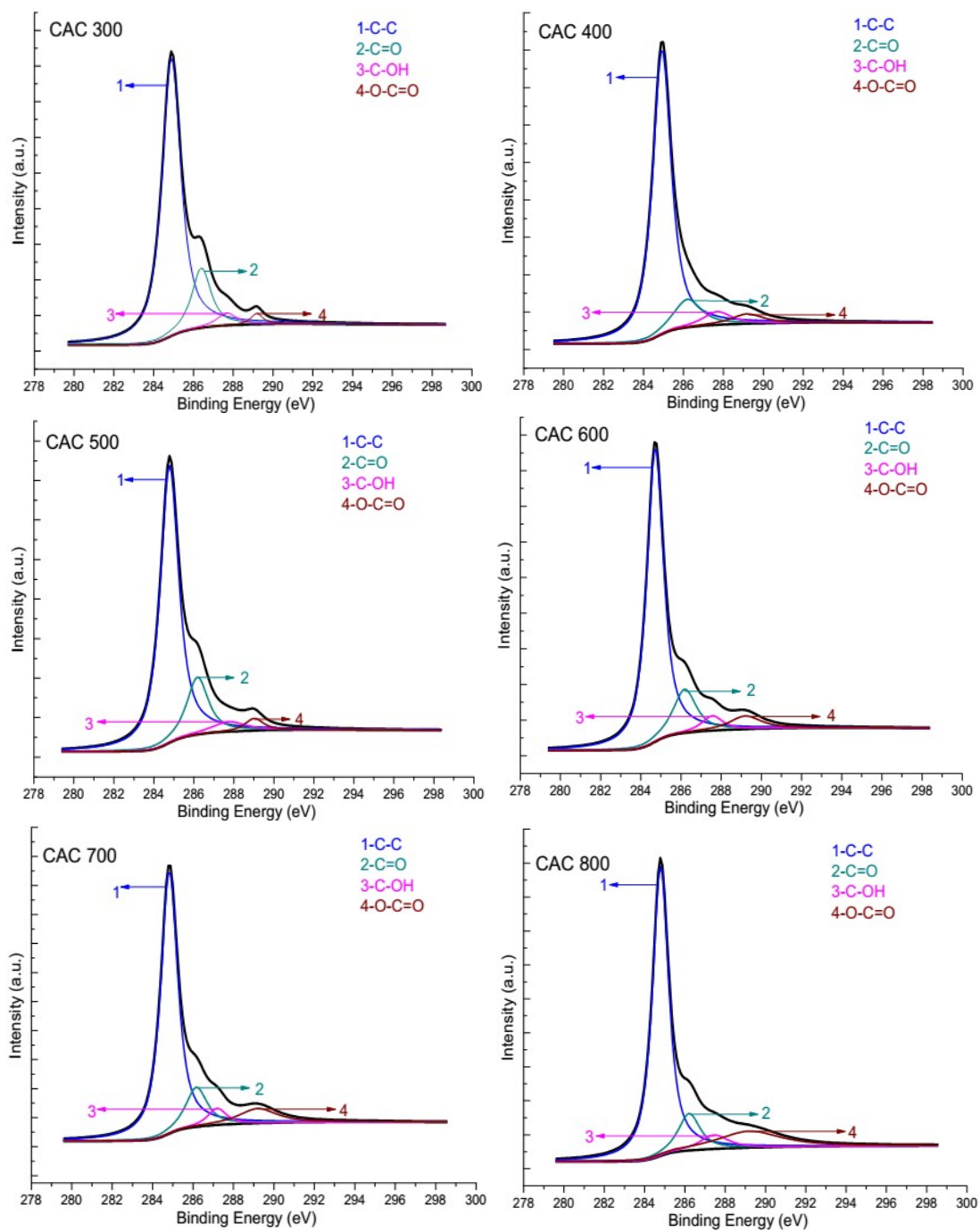


Figure S-1. C 1s high-resolution XPS spectra of CACs.

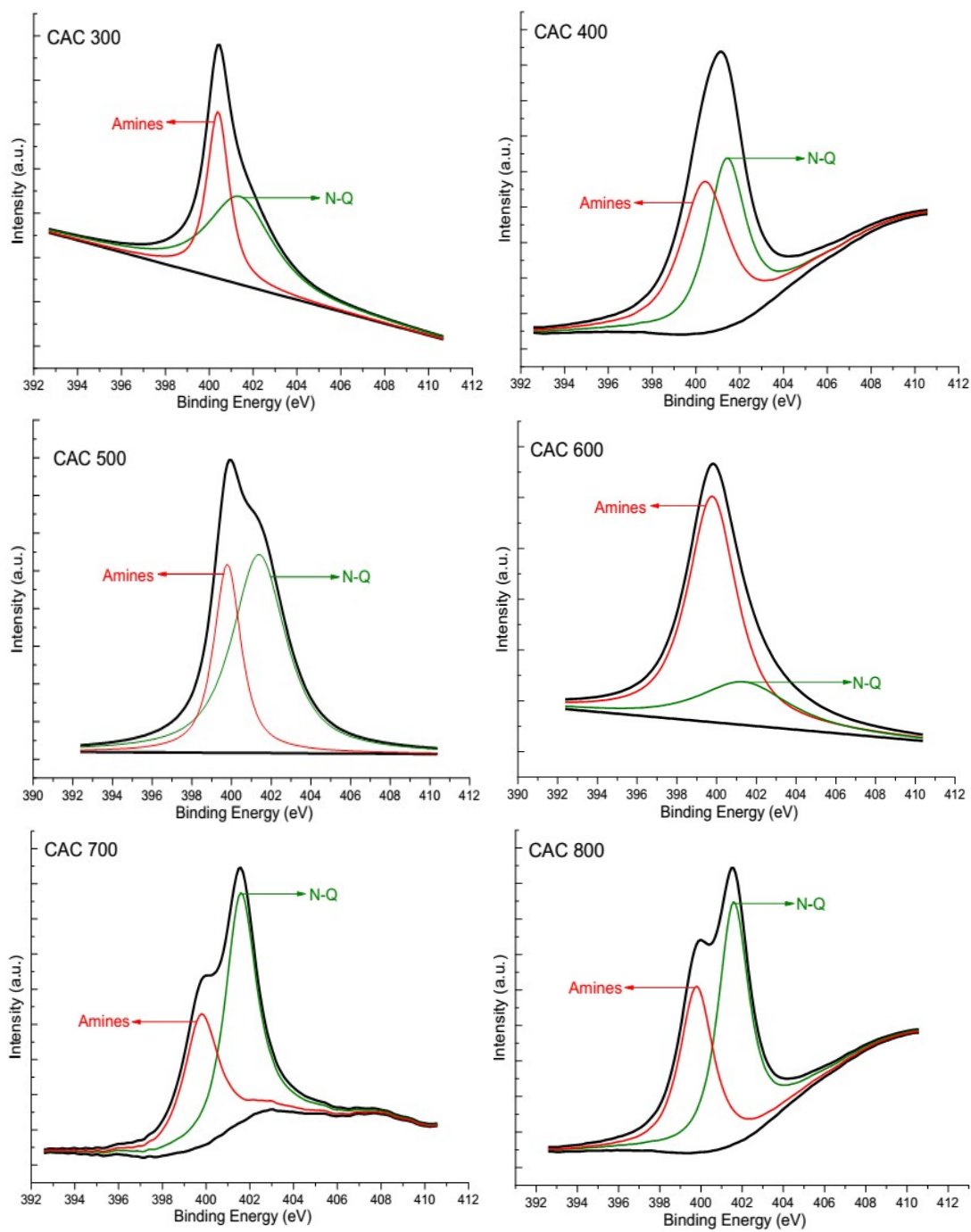


Figure S-2. N 1s high-resolution XPS spectra of CACs.

Table S-1. The maximum adsorption capacity correlation between surface area, N, the ratio of O/C, the content of -COH and -COOH and the ratio of I_D/I_G.

		Surface area	N	O/C	The content of -COH and -COOH	The ratio of I _D /I _G
The maximum adsorption capacity	Pearson Correlation	0.877*	0.700	-0.988**	0.876*	-0.980**
	Sig. (2-tailed)	0.022	0.121	0.000	0.022	0.001

* Correlation is Significant at the level 0.05 (2-tailed).

** Correlation is Significant at the level 0.01 (2-tailed).