

Supporting Information

High performance N-doped porous activated carbon based on chicken feather for supercapacitor

Zijian Zhao, Yong Wang, Min Li, Ru Yang*

State Key Laboratory of Chemical Resource Engineering, Beijing Key Laboratory of Electrochemical Process and Technology for Materials, Beijing University of Chemical Technology, Beijing, P. R. China. Fax: +86 10 64436736; Tel: +86 10 64436736; E-mail: ruyang@mail.buct.edu.cn

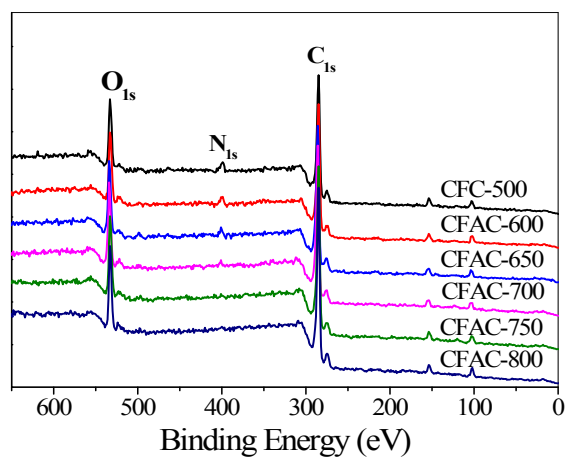


Figure S1 XPS spectra of CFC-500 and the activated at samples.

Table S1 Bulk elementary composition of the chicken feather and the as-prepared carbonized and activated samples.

Sample	C (wt%)	N (wt%)	H (wt%)	S (wt%)
CF	48.58	15.44	7.10	2.20
CFC-250	60.97	15.22	5.31	0.66
CFC-300	63.94	14.76	5.38	0.68
CFC-400	64.38	14.45	3.92	0.52
CFC-500	66.46	13.69	2.12	0.49
CFC-600	72.29	12.83	1.96	0.44
CFAC-600-4K	72.20	7.10	1.63	0.13
CFAC-650-4K	80.26	5.25	0.81	0.11
CFAC-700-4K	80.81	1.67	0.66	0.12
CFAC-750-4K	90.80	1.25	0.37	0.18
CFAC-800-4K	91.53	1.07	0.35	0.29
CFAC-800-3K	87.38	2.08	0.47	0.17
CFAC-800-5.5K	91.52	1.33	0.39	0.21