

Supporting information for:

Cellulose-derived carbon bearing -Cl and -SO₃H groups as a highly selective catalyst for hydrolysis of cellulose to glucose

by

Qi Pang, Liqing Wang, Hui Yang, Lishan Jia,* Xinwei Pan and Chenchao Qiu

Department of Chemical and Biochemical Engineering, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen 361005, Fujian, China.

*Tel: 086-592-2188283. Fax: 086-592-2184822. E-mail: jials@xmu.edu.cn.

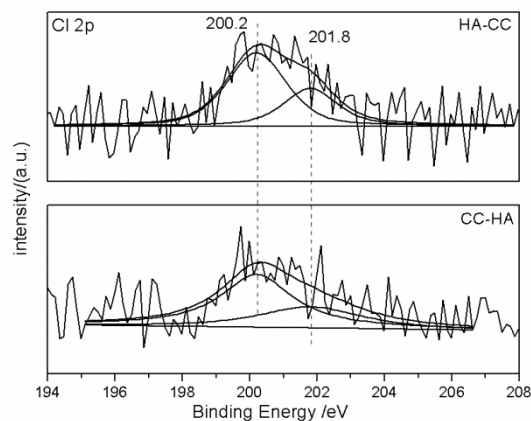


Fig.S1 The XPS Cl 2p spectra of HA-CC and CC-HA.

Table S1 BET results of catalysts.

Sample	BET surface area (m ² /g)	Total pore volume (cm ³ /g)	Average pore radius (nm)
HA-CC-SO ₃ H	47	0.044	1.02
CC-HA-SO ₃ H	15.3	0.014	1.76

Table S2 XPS analysis results of catalysts.

Sample	Surface atomic concentration (%)			
	C	O	Cl	S
HA-CC-SO ₃ H	88.15	11.44	0.14	0.27
CC-HA-SO ₃ H	72.96	25.77	0.01	1.26