

Electronic Supplementary Information

Capacitive deionization of NaCl Solutions with ambient pressure

dried carbon aerogel microspheres electrodes

Xueping Quan^{a,b}, Zhibing Fu^b, Lei Yuan^b, Minglong Zhong^b, Rui Mi^b, Xi Yang^b, Yong Yi^{a,*}, and Chaoyang Wang^{b,*}

^aSchool of Materials Science and Engineering, Southwest University of Science and Technology, Mianyang (Sichuan) 621000, China.

^bResearch Center of Laser Fusion, China Academy of Engineering Physics, Mianyang 621900, China.

*correspondence to:

Author Yong Yi, E-mail: yiyong@swust.edu.cn;

Author Chaoyang Wang, E-mail: wangchy807@caep.cn;

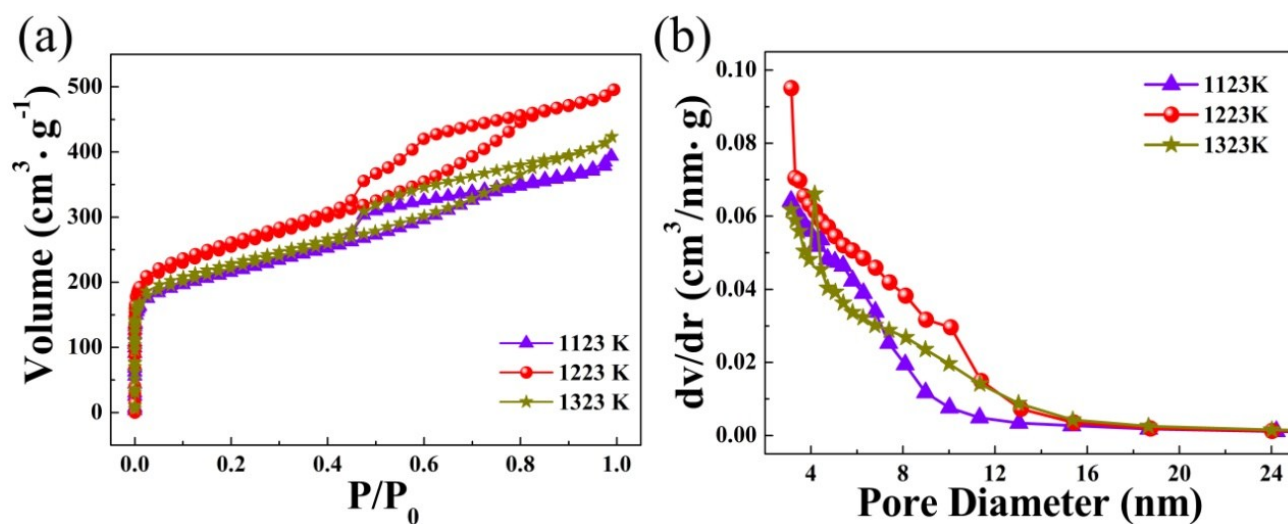


Fig.S1.(a) Adsorption isotherms at 77 K and (b) PSD of CA microspheres under different carbonized temperatures.

Table S1 Surface area characteristic of CA microspheres under different carbonized temperatures.

Carbonization temperature (K)	S _{BET} ^a (m ² /g)	S _{meso} ^b (m ² /g)	V _{tot} ^c (cm ³ /g)	V _{meso} ^d (cm ³ /g)	Average pore diameter (nm)
1123	775	352	0.61	0.46	3.14
1223	910	398	0.77	0.60	3.38
1323	794	366	0.65	0.49	3.3

^a BET specific surface area.

^b Mesoporous surface area derived from the t-plot method.

^c Total volume of pores.

^d Volume of mesopores.