

Nitrogen-doped electrospun reduced graphene oxide-carbon nanofibers composite for capacitive deionization

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Table S1 Comparison of electrosorption capacity among different CNFs-based electrode materials from the literatures.

	Applied voltage (V)	Initial concentration (mg l ⁻¹)	Electrosorption capacity (mg g ⁻¹)	Ref
CNFs	1.2	60	3.2	1
CNTs-CNFs	1.2	~50	3.32	2, 3
CNF-GO	1.2	100	7.8	4
	1.2	450	13.2	4
Hollow CNFs	1.2	~45	1.91	5
CNFs-RGO	1.2	400	7.2	6
CNFs-CNTs	1.2	390	6.4	7
NG-CNFs	1.2	100	5.71	This work
	1.2	200	8.30	This work
	1.2	500	11.55	This work
	1.2	1000	14.79	This work

References:

1. M. Wang, Z. Huang, L. Wang, M. Wang, F. Kang and H. Hou, *New J. Chem.*, 2010, **34**, 1843-1845.
2. H. B. Li, L. K. Pan, C. Y. Nie and Z. Sun, *J. Nanosci. Lett.*, 2012, **2**, 9.
3. X. Z. Wang, M. G. Li, Y. W. Chen, R. M. Cheng, S. M. Huang, L. K. Pan and Z. Sun, *Appl. Phys. Lett.*, 2006, **89**, 053127.
4. Y. Bai, Z.-H. Huang, X.-L. Yu and F. Kang, *Colloids Surf. A*, 2014, **444**, 153-158.
5. A. G. El-Deen, N. A. Barakat, K. A. Khalil and H. Y. Kim, *New J. Chem.*, 2014, **38**, 198-205.
6. Q. Dong, G. Wang, B. Qian, C. Hu, Y. Wang and J. Qiu, *Electrochim. Acta*, 2014, **137**, 388-394.
7. Q. Dong, G. Wang, T. Wu, S. Peng and J. Qiu, *J. Colloid Interface Sci.*, 2014, **446**, 373-378.