

Electronic Supplementary Material (ESI) for RSC Advances.
This journal is © The Royal Society of Chemistry 2016

Electronic Supplementary Information (ESI)

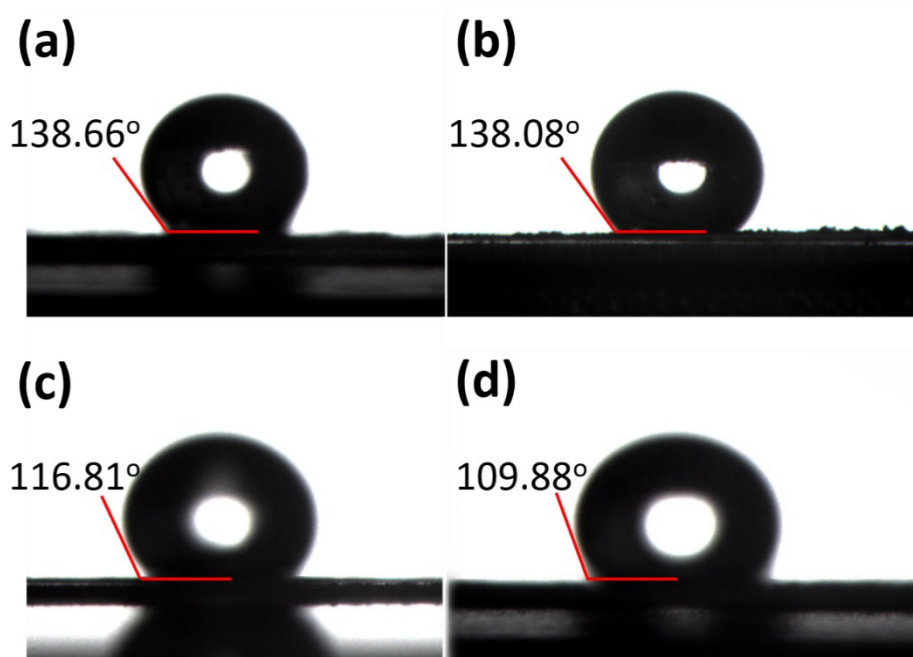


Figure S1. Wetting angles of four carbon samples, (a) PCN, (b) PCN/G, (c) NPCN, (d) NPCN/G.

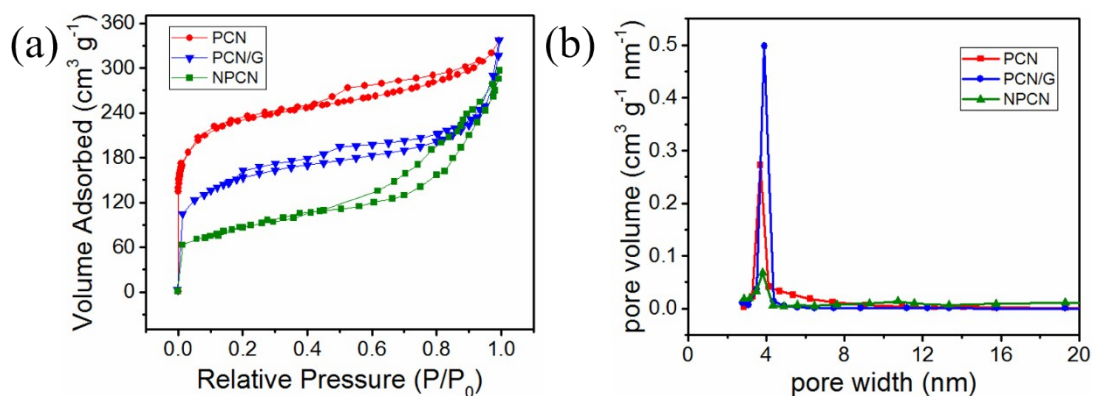


Figure S2. N₂ adsorption-desorption isotherms and pore size distribution of three samples (PCN, PCN/G and NPCN).

Table S1. Specific capacitance of various MOF-derived carbons.

Sample	Electrolyte	Current density (A g ⁻¹)	Scan rate (mV s ⁻¹)	Specific capacitance (F g ⁻¹)	Reference
MOF-derived porous carbon					
NPCN/G	6 M KOH	0.5	—	270	Present work
		—	10	307	
NPCN	6 M KOH	0.5	—	193.5	Present work
C-S700	6 M KOH	—	2	182	1
			20	163	
MC-Al	6 M KOH	0.5	—	182	2
Carbon-700	6 M KOH	—	10	218	3
Carbon-ZS	6 M KOH	0.5	—	216.8	4
N-doped carbon materials					
CTNC	6 M KOH	0.5	—	125	5
Carbon nanotube	6 M KOH	0.5	—	140	6
Porous carbon	6 M KOH	0.5	—	160	7
Nitrogen-rich hollow carbon nanofibers	6 M KOH	0.2	—	293	8

Supplementary References

1. P. Su, L. Jiang, J. Zhao, J. Yan, C. Li and Q. Yang, *Chemical Communications*, 2012, **48**, 8769-8771.
2. X. Yan, X. Li, Z. Yan and S. Komarneni, *Applied Surface Science*, 2014, **308**, 306-310.
3. Z. J. Zhang, P. Cui, C. Chen, X. Y. Chen and J. W. Liu, *J. Solid State Electrochem.* , 2013, **18**, 59-67.
4. S. Zhong, C. Zhan and D. Cao, *Carbon*, 2015, **85**, 51-59.
5. M. Zhong, E. K. Kim, J. P. McGann, S. E. Chun, J. F. Whitacre, M. Jaroniec, K. Matyjaszewski and T. Kowalewski, *Journal of the American Chemical Society*, 2012, **134**, 14846-14857.
6. M. Yang, B. Cheng, H. Song and X. Chen, *Electrochim. Acta* 2010, **55**, 7021-7027.
7. X. Y. Chen, C. Chen, Z. J. Zhang, D. H. Xie, X. Deng and J. W. Liu, *Journal of Power Sources*, 2013, **230**, 50-58.
8. C. Zhan, Q. Xu, X. Yu, Q. Liang, Y. Bai, Z.-H. Huang and F. Kang, *RSC Adv.*, 2016, **6**, 41473-41476.