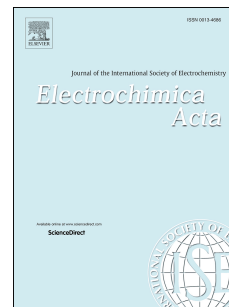


Accepted Manuscript

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PII: S0013-4686(18)31694-3

DOI: [10.1016/j.electacta.2018.07.176](https://doi.org/10.1016/j.electacta.2018.07.176)

Reference: EA 32373

To appear in: *Electrochimica Acta*

Received Date: 22 February 2018

Revised Date: 17 July 2018

Accepted Date: 23 July 2018

Please cite this article as: C. Yu, H. Li, J. Luo, M. Zheng, W. Zhong, W. Yang, Metal-organic coordination polymer/multi-walled carbon nanotubes composites to prepare N-doped hierarchical porous carbon for high performance supercapacitors, *Electrochimica Acta* (2018), doi: 10.1016/j.electacta.2018.07.176.

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Metal-organic coordination polymer/multi-walled carbon nanotubes composites to prepare N-doped hierarchical porous carbon for high performance supercapacitors

Chuying Yu,[†] Hao Li,[†] Jinwei Luo,[†] Mengke Zheng,[†] Wenbin Zhong,^{* †} Wantai Yang[‡]

[†] College of Materials Science and Engineering, Hunan University, Changsha, 410082, P. R. China.

[‡] Department of Polymer Science, Beijing University of Chemical Technology, Beijing, 100029, P. R. China.

*E-mail: wbzhong@hnu.edu.cn

Highlight

1. A novel strategy has been proposed to prepare N-doped porous carbon/multi-walled carbon nanotubes (NPCMT).
2. NPCMT possesses high N-doped contents (10.71 at.%) and hierarchical pore structure.
3. NPCMT exhibits both superior gravimetric and volumetric specific capacitances.
4. The energy density of NPCMT is up to 18.82 W h kg⁻¹.

Graphical abstract

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