

# Accepted Manuscript

Efficient N-Doping of hollow core-mesoporous shelled carbon spheres *via* hydrothermal treatment in ammonia solution for the electrocatalytic oxygen reduction reaction

Tingsheng Zhou, Ruguang Ma, Yao Zhou, Ruohao Xing, Qian Liu, Yufang Zhu, Jiacheng Wang

PII: S1387-1811(17)30712-6

DOI: [10.1016/j.micromeso.2017.10.050](https://doi.org/10.1016/j.micromeso.2017.10.050)

Reference: MICMAT 8626

To appear in: *Microporous and Mesoporous Materials*

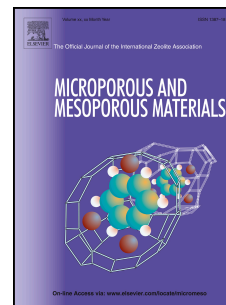
Received Date: 10 April 2017

Revised Date: 16 October 2017

Accepted Date: 27 October 2017

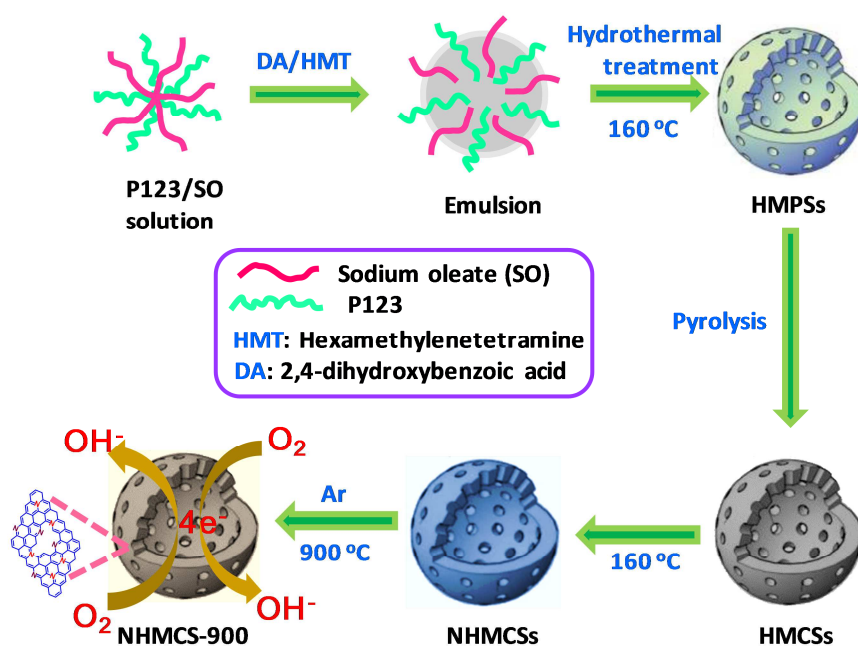
Please cite this article as: T. Zhou, R. Ma, Y. Zhou, R. Xing, Q. Liu, Y. Zhu, J. Wang, Efficient N-Doping of hollow core-mesoporous shelled carbon spheres *via* hydrothermal treatment in ammonia solution for the electrocatalytic oxygen reduction reaction, *Microporous and Mesoporous Materials* (2017), doi: [10.1016/j.micromeso.2017.10.050](https://doi.org/10.1016/j.micromeso.2017.10.050).

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## Graphical abstract:

Nitrogen-doped hollow macroporous core-mesoporous shelled carbon nanospheres were successfully synthesized using a controllable synthetic strategy, showing the superior activity for electrocatalytic oxygen reduction reaction with a close four-electron pathway.



Download English Version:

<https://daneshyari.com/en/article/6532284>

Download Persian Version:

<https://daneshyari.com/article/6532284>

[Daneshyari.com](https://daneshyari.com)