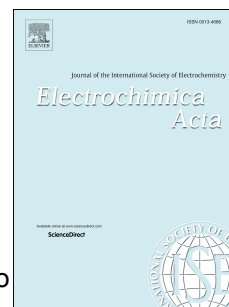


# Accepted Manuscript

Yolk-shell m-SiO<sub>2</sub>@Nitrogen doped carbon derived zeolitic imidazolate framework  
high efficient counter electrode for dye-sensitized solar cells

Abdelaal.S.A. Ahmed, Wanchun Xiang, Ziyang Li, Ibrahim Saana Amiinu, Xiujuan Zhao



PII: S0013-4686(18)32148-0

DOI: [10.1016/j.electacta.2018.09.150](https://doi.org/10.1016/j.electacta.2018.09.150)

Reference: EA 32740

To appear in: *Electrochimica Acta*

Received Date: 15 August 2018

Revised Date: 19 September 2018

Accepted Date: 22 September 2018

Please cite this article as: A.S.A. Ahmed, W. Xiang, Z. Li, I.S. Amiinu, X. Zhao, Yolk-shell m-SiO<sub>2</sub>@Nitrogen doped carbon derived zeolitic imidazolate framework high efficient counter electrode for dye-sensitized solar cells, *Electrochimica Acta* (2018), doi: <https://doi.org/10.1016/j.electacta.2018.09.150>.

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.

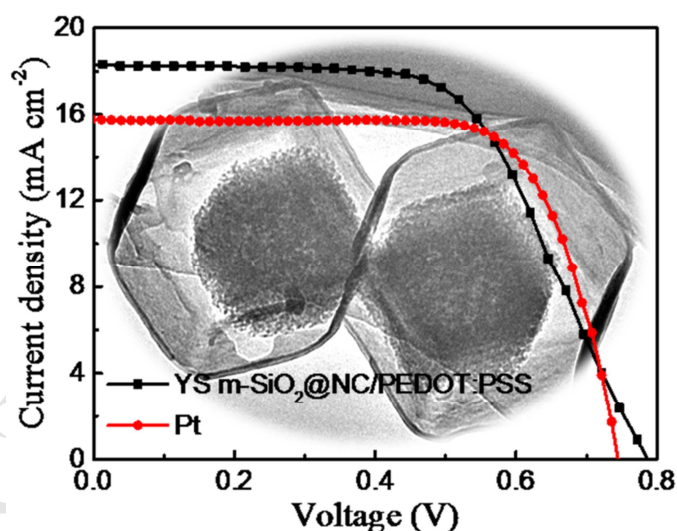
## Table of Content

# Yolk-Shell $m\text{-SiO}_2\text{@Nitrogen}$ doped carbon derived zeolitic imidazolate framework high efficient Counter Electrode for Dye-Sensitized Solar Cells

Abdelaal. S. A. Ahmed <sup>1</sup>, Wanchun Xiang <sup>1\*</sup>, Li Ziyang <sup>1</sup>, Ibrahim Saana Amiinu <sup>2</sup>,  
Xiujuan Zhao <sup>1\*</sup>

<sup>1</sup> State Key Laboratory of Silicate Materials for Architecture, Wuhan University of Technology, Luoshi Road, Wuhan 430070, P. R. China

<sup>2</sup> State Key Laboratory of Advanced Materials Synthesis and Processing, Wuhan University of Technology, Luoshi Road, Wuhan 430070, P. R. China



Download English Version:

<https://daneshyari.com/en/article/11001480>

Download Persian Version:

<https://daneshyari.com/article/11001480>

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