Accepted Manuscript

Alginate derived Co₃O₄/Co nanoparticles decorated in N-doped porous carbon as an efficient bifunctional catalyst for oxygen evolution and reduction reactions

Tianrong Zhan, SiSi Lu, Xiaolin Liu, Hongni Teng, Wanguo Hou

PII: S0013-4686(18)30288-3

DOI: 10.1016/j.electacta.2018.02.006

Reference: EA 31201

To appear in: Electrochimica Acta

Received Date: 23 November 2017
Revised Date: 17 January 2018
Accepted Date: 2 February 2018

Please cite this article as: T. Zhan, S. Lu, X. Liu, H. Teng, W. Hou, Alginate derived Co₃O₄/Co nanoparticles decorated in N-doped porous carbon as an efficient bifunctional catalyst for oxygen evolution and reduction reactions, *Electrochimica Acta* (2018), doi: 10.1016/j.electacta.2018.02.006.

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.



ACCEPTED MANUSCRIPT

Alginate derived Co₃O₄/Co nanoparticles decorated in N-doped porous carbon as an efficient bifunctional catalyst for oxygen evolution and reduction reactions

Tianrong Zhan^{a*}, SiSi Lu^a, Xiaolin Liu^a, Hongni Teng^b, Wanguo Hou^a

^a State Key Laboratory Base of Eco-chemical Engineering, College of Chemistry and Molecular

Engineering, Qingdao University of Science and Technology, Qingdao 266042, China

^b Department of Applied Chemistry, College of Chemical and Environmental Engineering, Shandong

University of Science and Technology, Qingdao 266510, China

* Corresponding authors:

Dr. Tianrong Zhan

Email: trzhan@sdu.edu.cn; Tel & Fax: +86-532-84023927

* Corresponding author, Tel & Fax: +86-532-84023927

E-mail address: trzhan@sdu.edu.cn (T. Zhan).

-

Download English Version:

https://daneshyari.com/en/article/6604234

Download Persian Version:

https://daneshyari.com/article/6604234

<u>Daneshyari.com</u>