### Author's Accepted Manuscript

One-pot synthesis of the CuNCs/ZIF-8 nanocomposites for sensitively detecting  $H_2O_2$  and screening of oxidase activity

Xue Hu, Xidong Liu, Xiaodan Zhang, Hongxiang Chai, Yuming Huang



www.elsevier.com/locate/bios

PII: S0956-5663(18)30025-3

DOI: https://doi.org/10.1016/j.bios.2018.01.019

Reference: BIOS10212

To appear in: Biosensors and Bioelectronic

Received date: 11 September 2017 Revised date: 3 January 2018 Accepted date: 9 January 2018

Cite this article as: Xue Hu, Xidong Liu, Xiaodan Zhang, Hongxiang Chai and Yuming Huang, One-pot synthesis of the CuNCs/ZIF-8 nanocomposites for sensitively detecting  $\rm H_2O_2$  and screening of oxidase activity, *Biosensors and Bioelectronic*, https://doi.org/10.1016/j.bios.2018.01.019

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 galley proof before it is published in its final citable 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**

# One-pot synthesis of the CuNCs/ZIF-8 nanocomposites for sensitively detecting $H_2O_2$ and screening of oxidase activity

Xue Hu<sup>a</sup>, Xidong Liu<sup>b</sup>, Xiaodan Zhang<sup>a</sup>, Hongxiang Chai<sup>c\*</sup>, Yuming Huang<sup>a\*</sup>

<sup>a</sup> The Key Laboratory of Luminescence and Real-time Analytical Chemistry, Ministry of Education,
College of Chemistry and Chemical Engineering, Southwest University, Chongqing 400715,
China.

<sup>b</sup> College of Materials and Chemical Engineering, Chongqing University of Arts and Sciences, Chongqing 402160, PR China

<sup>c</sup>Key Laboratory of Eco-environments in Three Gorges Reservoir Region (Ministry of Education),
School of Urban Construction and Environmental Engineering, Chongqing University, 400045,
China.

\*Corresponding authors. Tel./Fax: +86-23-65127226, +86-23-68254843, chaihx@cqu.edu.cn, yuminghuang2000@yahoo.com

#### Download English Version:

## https://daneshyari.com/en/article/7229712

Download Persian Version:

https://daneshyari.com/article/7229712

<u>Daneshyari.com</u>