### Accepted Manuscript

Regular Article

Peroxidase mimetic activity of Fe<sub>3</sub>O<sub>4</sub> nanoparticle prepared based on magnetic hydrogels for hydrogen peroxide and glucose detection

Shasha Song, Yang Liu, Aixin Song, Zengdian Zhao, Hongsheng Lu, Jingcheng Hao

PII: S0021-9797(17)30795-6

DOI: http://dx.doi.org/10.1016/j.jcis.2017.07.029

Reference: YJCIS 22558

To appear in: Journal of Colloid and Interface Science

Received Date: 27 March 2017 Revised Date: 5 July 2017 Accepted Date: 8 July 2017



Please cite this article as: S. Song, Y. Liu, A. Song, Z. Zhao, H. Lu, J. Hao, Peroxidase mimetic activity of Fe<sub>3</sub>O<sub>4</sub> nanoparticle prepared based on magnetic hydrogels for hydrogen peroxide and glucose detection, *Journal of Colloid and Interface Science* (2017), doi: http://dx.doi.org/10.1016/j.jcis.2017.07.029

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**

# Peroxidase mimetic activity of $Fe_3O_4$ nanoparticle prepared based on magnetic hydrogels for hydrogen peroxide and glucose detection

Shasha Song,\*<sup>a</sup> Yang Liu,<sup>a</sup> Aixin Song,<sup>b</sup> Zengdian Zhao,<sup>a</sup> Hongsheng Lu<sup>c</sup> and Jingcheng Hao<sup>b</sup>

<sup>a</sup>School of Chemical Engineering, Shandong University of Technology, Zibo, 255000,

P. R. China

R. China

<sup>b</sup>Key Laboratory of Colloid and Interface Chemistry & Key Laboratory of Special Aggregated Materials, Shandong University, Ministry of Education, Jinan, 250100, P.

<sup>c</sup>Oil & Gas Field Applied Chemistry Key Laboratory of Sichuan Province, Southwest Petroleum University, Chengdu, 610500, P. R. China

S.S., e-mail: songshasha@sdut.edu.cn.

<sup>\*</sup> To whom correspondence should be addressed.

#### Download English Version:

## https://daneshyari.com/en/article/4984582

Download Persian Version:

https://daneshyari.com/article/4984582

<u>Daneshyari.com</u>