## Accepted Manuscript

Title: Electrochemical Sensor for Detecting Pain Reliever/Fever Reducer Drug Acetaminophen Based on Electrospun  $CeBiO_x$  Nanofibers Modified Screen-Printed Electrode

Authors: Fei Cao, Qiuchen Dong, Caolong Li, Jun Chen, Xiaoyu Ma, Yikun Huang, Donghui Song, Chenhui Ji, Yu Lei

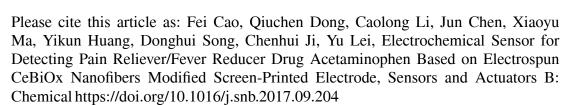
PII: S0925-4005(17)31870-1

DOI: https://doi.org/10.1016/j.snb.2017.09.204

Reference: SNB 23295

To appear in: Sensors and Actuators B

Received date: 26-6-2017 Revised date: 26-9-2017 Accepted date: 28-9-2017



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

#### **Electrochemical Sensor for Detecting Pain Reliever/Fever Reducer**

### **Drug Acetaminophen Based on Electrospun CeBiO**<sub>x</sub> Nanofibers

#### **Modified Screen-Printed Electrode**

Fei Cao<sup>a,b\*</sup>, Qiuchen Dong<sup>c</sup>, Caolong Li<sup>a</sup>, Jun Chen<sup>c</sup>, Xiaoyu Ma<sup>c</sup>, Yikun Huang<sup>c</sup>, Donghui Song<sup>c</sup>, Chenhui Ji<sup>d</sup>, Yu Lei<sup>b,c\*\*</sup>

<sup>a</sup>Key Laboratory of Biomedical Functional Materials, School of Sciences, China Pharmaceutical University, Nanjing 211198, China.

<sup>b</sup>Department of Chemical and Biomolecular Engineering, University of Connecticut, Storrs, CT 06269, USA

<sup>c</sup>Department of Biomedical Engineering, University of Connecticut, Storrs, CT 06269, USA

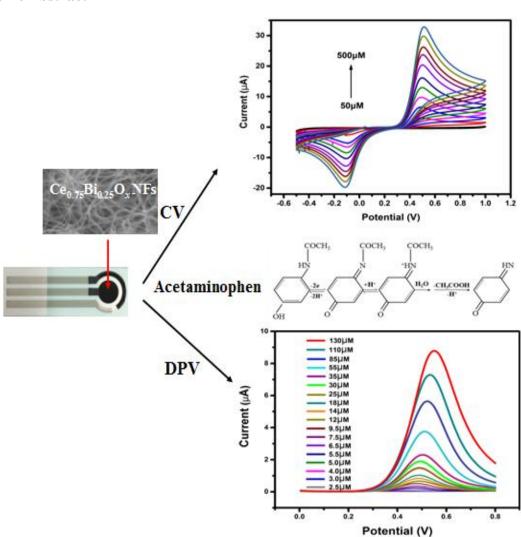
<sup>d</sup> Key Laboratory of Biorheological Science and Technology, Ministry of Education, Bioengineering College, Chongqing University, Chongqing 400030, China

\*Corresponding author. Tel.: +86 025 8618 5163; fax: +86 025 8618 5170.

\*\*Corresponding author. Tel.: +1 860 486 4554; fax: +1 860 486 2959.

Email adresses: caofei@cpu.edu.cn (F. Cao); yu.lei@uconn.edu (Y. Lei)

#### **Graphic Abstract**



#### Download English Version:

# https://daneshyari.com/en/article/7141323

Download Persian Version:

https://daneshyari.com/article/7141323

<u>Daneshyari.com</u>