

## Author's Accepted Manuscript

Ultrasensitive photoelectrochemical immunosensor of cardiac troponin I detection based on dual inhibition effect of Ag@Cu<sub>2</sub>O core-shell submicron-particles on CdS QDs sensitized TiO<sub>2</sub> nanosheets

Jie Chen, Ling Kong, Xiaokai Sun, Jinhui Feng, Zhiwei Chen, Dawei Fan, Qin Wei



PII: S0956-5663(18)30391-9  
DOI: <https://doi.org/10.1016/j.bios.2018.05.037>  
Reference: BIOS10495

To appear in: *Biosensors and Bioelectronic*

Received date: 13 March 2018  
Revised date: 22 May 2018  
Accepted date: 22 May 2018

Cite this article as: Jie Chen, Ling Kong, Xiaokai Sun, Jinhui Feng, Zhiwei Chen, Dawei Fan and Qin Wei, Ultrasensitive photoelectrochemical immunosensor of cardiac troponin I detection based on dual inhibition effect of Ag@Cu<sub>2</sub>O core-shell submicron-particles on CdS QDs sensitized TiO<sub>2</sub> nanosheets, *Biosensors and Bioelectronic*, <https://doi.org/10.1016/j.bios.2018.05.037>

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.

**Ultrasensitive photoelectrochemical immunosensor of cardiac troponin I detection based on dual inhibition effect of Ag@Cu<sub>2</sub>O core-shell submicron-particles on CdS QDs sensitized TiO<sub>2</sub> nanosheets**

Jie Chen<sup>a</sup>, Ling Kong<sup>a\*</sup>, Xiaokai Sun<sup>a</sup>, Jinhui Feng<sup>a</sup>, Zhiwei Chen<sup>a\*</sup>,  
Dawei Fan<sup>b\*</sup>, Qin Wei<sup>b</sup>

a. School of Life Sciences, Shandong University of Technology, Zibo, 255049, P.R. China

b. Key Laboratory of Interfacial Reaction & Sensing Analysis in Universities of Shandong, School of Chemistry and Chemical Engineering, University of Jinan, Jinan 250022, PR China

**Corresponding author:**

\*Email addresses: chen@sdut.edu.cn (Z. Chen);

\*Email addresses: konglingsdut@163.com (L. Kong);

\*E-mail addresses: jndxfandawei@126.com (D. Fan);

Tel: +86-0533-2786556; +86-0531-82760510

Download English Version:

<https://daneshyari.com/en/article/7229041>

Download Persian Version:

<https://daneshyari.com/article/7229041>

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