

## Accepted Manuscript

Title: Ultra-sensitive fluorescent and colorimetric detection of  $\text{UO}_2^{2+}$  based on dual enzyme-free amplification strategies

Authors: Wen Yun, Hong Wu, Xingyan Liu, Haixia Zhong, Min Fu, Lizhu Yang, Yu Huang



PII: S0925-4005(17)31616-7  
DOI: <http://dx.doi.org/10.1016/j.snb.2017.08.205>  
Reference: SNB 23072

To appear in: *Sensors and Actuators B*

Received date: 9-6-2017  
Revised date: 21-8-2017  
Accepted date: 24-8-2017

Please cite this article as: Wen Yun, Hong Wu, Xingyan Liu, Haixia Zhong, Min Fu, Lizhu Yang, Yu Huang, Ultra-sensitive fluorescent and colorimetric detection of  $\text{UO}_2^{2+}$  based on dual enzyme-free amplification strategies, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2017.08.205>

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.

# Ultra-sensitive fluorescent and colorimetric detection of $\text{UO}_2^{2+}$ based on dual enzyme-free amplification strategies

Wen Yun <sup>a\*</sup>, Hong Wu <sup>a</sup>, Xingyan Liu <sup>a</sup>, Haixia Zhong <sup>a</sup>, Min Fu <sup>a</sup>, Lizhu Yang <sup>b,\*</sup>, Yu Huang <sup>c</sup>

<sup>a</sup> *Chongqing Key Laboratory of Catalysis and Functional Organic Molecules, College of Environment and Resources, Chongqing Technology and Business University, Chongqing, 400067, China.*

<sup>b</sup> *School of Pharmaceutical Sciences, Wenzhou Medical University, Wenzhou, Zhejiang 325035, China*

<sup>c</sup> *Key Laboratory of Reservoir Aquatic Environment of CAS, Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences, Chongqing 400714, China.*

## \* Corresponding author:

Wen Yun, E-mail: yunwenyunwen@126.com Tel:+86-816-3620185. Fax: +86-816-3620185.

Lizhu Yang, E-mail: yanglz3000@aliyun.com Tel:+86-577-86689984 Fax: +86-577- 86689981.

Download English Version:

<https://daneshyari.com/en/article/7142088>

Download Persian Version:

<https://daneshyari.com/article/7142088>

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