Accepted Manuscript

Title: A colorimetric Pb²⁺ chemosensor: rapid naked-eye detection, high selectivity, theoretical insights, and applications

Authors: Yu-Tong Wang, Song Hu, Yuan Zhang, Hong Gong,

Ran Sun, Wei Mao, De-Hui Wang, Yong Chen

PII: \$1010-6030(17)30888-2

DOI: https://doi.org/10.1016/j.jphotochem.2017.10.027

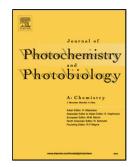
Reference: JPC 10952

To appear in: Journal of Photochemistry and Photobiology A: Chemistry

Received date: 27-6-2017 Revised date: 13-9-2017 Accepted date: 15-10-2017

Please cite this article as: Yu-Tong Wang, Song Hu, Yuan Zhang, Hong Gong, Ran Sun, Wei Mao, De-Hui Wang, Yong Chen, A colorimetric Pb2+ chemosensor: rapid naked-eye detection, high selectivity, theoretical insights, and applications, Journal of Photochemistry and Photobiology A: Chemistry https://doi.org/10.1016/j.jphotochem.2017.10.027

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

A colorimetric Pb^{2+} chemosensor: rapid naked-eye detection, high selectivity, theoretical insights, and applications

 $Yu\text{-}Tong\ Wang^{a,1}, Song\ Hu^{a,c,1},\ Yuan\ Zhang^{a,c},\ Hong\ Gong^{a},\ Ran\ Sun^{a},$

Wei Mao^a, De-Hui Wang^{a,*}, Yong Chen^{b,**}

^a College of Chemistry, Chemical Engineering and Environmental Engineering,

Liaoning Shihua University, Fushun, 113001, China

 $^{\mathrm{b}}$ Key Laboratory of Photochemical Conversion and Optoelectronic Materials and HKU-CAS

Joint Laboratory on New Materials, Technical Institute of Physics and Chemistry, Chinese

Academy of Sciences, Beijing, 100190, China

^c Liaoning Institute for Food Control, Shenyang, 110015, China

¹ Y.-T. Wang and S. Hu contributed equally to this work.

* Corresponding author. *E-mail*: dhuiwang@aliyun.com (D.-H. Wang),

** Corresponding author. *E-mail*: chenyong@mail.ipc.ac.cn (Y. Chen)

Graphical abstract

Download English Version:

https://daneshyari.com/en/article/6492725

Download Persian Version:

https://daneshyari.com/article/6492725

<u>Daneshyari.com</u>