

Accepted Manuscript

A dual colorimetric and SERS detection of Hg^{2+} based on the stimulus of intrinsic oxidase-like catalytic activity of Ag-CoFe₂O₄/reduced graphene oxide nanocomposites

Yue Guo, Yanchun Tao, Xiaowei Ma, Jing Jin, Sisi Wen, Wei Ji, Wei Song, Bing Zhao, Yukihiro Ozaki

PII: S1385-8947(18)30949-5
DOI: <https://doi.org/10.1016/j.cej.2018.05.135>
Reference: CEJ 19151

To appear in: *Chemical Engineering Journal*

Received Date: 16 March 2018
Revised Date: 8 May 2018
Accepted Date: 22 May 2018

Please cite this article as: Y. Guo, Y. Tao, X. Ma, J. Jin, S. Wen, W. Ji, W. Song, B. Zhao, Y. Ozaki, A dual colorimetric and SERS detection of Hg^{2+} based on the stimulus of intrinsic oxidase-like catalytic activity of Ag-CoFe₂O₄/reduced graphene oxide nanocomposites, *Chemical Engineering Journal* (2018), doi: <https://doi.org/10.1016/j.cej.2018.05.135>

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.



**A dual colorimetric and SERS detection of Hg^{2+} based on the stimulus of intrinsic
oxidase-like catalytic activity of Ag- CoFe_2O_4 /reduced graphene oxide
nanocomposites**

Yue Guo,^a Yanchun Tao,^a Xiaowei Ma,^a Jing Jin,^a Sisi Wen,^a Wei Ji,^b Wei Song,^{*a} Bing
Zhao^a and Yukihiro Ozaki^c

^a State Key Laboratory of Supramolecular Structure and Materials, Jilin University,
Changchun 130012, P.R. China. *E-mail: weisong@jlu.edu.cn

^b School of Chemistry, Dalian University of Technology, Dalian 116023, P. R. China

^c School of Science and Technology, Kwansei Gakuin University, 2-1 Gakuen, Sanda,
Hyogo 660-1337, Japan

Download English Version:

<https://daneshyari.com/en/article/6578499>

Download Persian Version:

<https://daneshyari.com/article/6578499>

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