

Accepted Manuscript

Title: A Highly Selective and Sensitive “on-off-on”
Fluorescent Probe for Detecting Hg(II) Based on Au/N-doped
Carbon Quantum Dots

Authors: Alan Meng, Qin Hai Xu, Kun Zhao, Zhenjiang Li, Jun
Liang, Qingdang Li



PII: S0925-4005(17)31450-8
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2017.08.028>
Reference: SNB 22895

To appear in: *Sensors and Actuators B*

Received date: 18-1-2017
Revised date: 26-6-2017
Accepted date: 3-8-2017

Please cite this article as: Alan Meng, Qin Hai Xu, Kun Zhao, Zhenjiang Li, Jun Liang, Qingdang Li, A Highly Selective and Sensitive “on-off-on” Fluorescent Probe for Detecting Hg(II) Based on Au/N-doped Carbon Quantum Dots, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2017.08.028>

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 Highly Selective and Sensitive “on-off-on” Fluorescent Probe
for Detecting Hg(II) Based on Au/N-doped Carbon Quantum
Dots**

Alan Meng ^a, Qin Hai Xu ^a, Kun Zhao ^a, Zhenjiang Li ^{a,b,*}, Jun Liang ^c, Qingdang Li ^d

^a State Key Laboratory Base of Eco-chemical Engineering, College of Chemistry and Molecular Engineering, Qingdao University of Science and Technology, Qingdao 266042, Shandong, P. R. China.

^b Key Laboratory of Polymer Material Advanced Manufacturing Technology of Shandong Provincial, College of Electromechanical Engineering, College of Sino-German Science and Technology, Qingdao University of Science and Technology, Qingdao 266061, Shandong, P. R. China.

^c Laboratory of Functional and Biological Nanomaterials, College of Materials Science and Engineering, Qingdao University of Science and Technology, Qingdao, Shandong 266061, China

^d College of Sino-German Science and Technology, Qingdao University of Science and Technology, Qingdao 266061, P.R.China.

* Corresponding author, E-mail address: zhenjiangli@qust.edu.cn

Fax: +86 532 88956228. Tel.: +86 532 88956228.

Download English Version:

<https://daneshyari.com/en/article/7142018>

Download Persian Version:

<https://daneshyari.com/article/7142018>

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