

## Accepted Manuscript

Title: A ratiometric fluorescence sensor for highly selective and sensitive detection of mercuric ion

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PII: S0925-4005(14)01490-7

DOI: <http://dx.doi.org/doi:10.1016/j.snb.2014.11.105>

Reference: SNB 17746

To appear in: *Sensors and Actuators B*

Received date: 1-9-2014

Revised date: 15-11-2014

Accepted date: 18-11-2014



Please cite this article as: F. Ma, M. Sun, K. Zhang, S. Wang, A ratiometric fluorescence sensor for highly selective and sensitive detection of mercuric ion, *Sensors and Actuators B: Chemical* (2014), <http://dx.doi.org/10.1016/j.snb.2014.11.105>

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1 Highlights

2 1. Visual fluorescence detection of  $\text{Hg}^{2+}$  which could be easily observed by the naked  
3 eyes.

4 2. High sensitivity and selectivity for  $\text{Hg}^{2+}$  detection.

5 3. An intermolecular charge transfer attributed for the fluorescence quenching.

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