

Journal Pre-proof

A novel photoelectrochemical sensor based on g-C₃N₄@CdS QDs for sensitive detection of Hg²⁺

Zhongping Li, Wenxia Dong, Xiaoyu Du, Guangming Wen, Xiujun Fan



PII: S0026-265X(19)31575-9

DOI: <https://doi.org/10.1016/j.microc.2019.104259>

Reference: MICROC 104259

To appear in: *Microchemical Journal*

Received date: 26 July 2019

Revised date: 8 September 2019

Accepted date: 11 September 2019

Please cite this article as: Z. Li, W. Dong, X. Du, et al., A novel photoelectrochemical sensor based on g-C₃N₄@CdS QDs for sensitive detection of Hg²⁺, *Microchemical Journal*(2019), <https://doi.org/10.1016/j.microc.2019.104259>

This is a PDF file of an article that has undergone enhancements after acceptance, such as the addition of a cover page and metadata, and formatting for readability, but it is not yet the definitive version of record. This version will undergo additional copyediting, typesetting and review before it is published in its final form, but we are providing this version to give early visibility of the article. 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.

© 2019 Published by Elsevier.

A novel photoelectrochemical sensor based on g-C₃N₄@CdS QDs for sensitive detection of Hg²⁺

Zhongping Li,^{a,*} Wenxia Dong,^a Xiaoyu Du,^a Guangming Wen^{a,b,*} and Xiujun Fan^c

^a*Institute of Environmental Science and School of Chemistry and Chemical Engineering, Shanxi University, Taiyuan 030006, People's Republic of China*

^b*School of Chemistry and Chemical Engineering, Jinzhong University, Jinzhong, 030619, China.*

^c*Institute of Crystalline Materials, Shanxi University, Taiyuan 030006, People's Republic of China*

*Corresponding authors. Tel./fax.: +86-351-3985596

E-mail addresses: zl104@sxu.edu.cn (Z. Li), wgm@sxu.edu.cn (G. Wen).

Download English Version:

<https://daneshyari.com/en/article/13473317>

Download Persian Version:

<https://daneshyari.com/article/13473317>

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