

## Accepted Manuscript

Title: Synthesis of glycine-functionalized graphene quantum dots as highly sensitive and selective fluorescent sensor of ascorbic acid in human serum

Author: Rui Liu Ran Yang Chaojie Qu Haichen Mao Yue Hu  
Jianjun Li Lingbo Qu



PII: S0925-4005(16)31723-3  
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2016.10.096>  
Reference: SNB 21154

To appear in: *Sensors and Actuators B*

Received date: 20-6-2016  
Revised date: 4-10-2016  
Accepted date: 20-10-2016

Please cite this article as: Rui Liu, Ran Yang, Chaojie Qu, Haichen Mao, Yue Hu, Jianjun Li, Lingbo Qu, Synthesis of glycine-functionalized graphene quantum dots as highly sensitive and selective fluorescent sensor of ascorbic acid in human serum, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2016.10.096>

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.

# Synthesis of glycine-functionalized graphene quantum dots as highly sensitive and selective fluorescent sensor of ascorbic acid in human serum

Rui Liu<sup>1</sup>, Ran Yang<sup>1\*</sup>, Chaojie Qu<sup>1</sup>, Haichen Mao<sup>1</sup>, Yue Hu<sup>1</sup>, Jianjun Li<sup>1</sup>, Lingbo Qu<sup>1\*</sup>

<sup>1</sup>The College of Chemistry and Molecular Engineering, Zhengzhou University, Zhengzhou 450001, PR China

<sup>2</sup>School of Environmental Engineering and chemistry, Luoyang Institute of Science and Technology, Luoyang 471023, PR China

\* Corresponding author at: The College of Chemistry and Molecular Engineering, Zhengzhou University, Kexue Road, Zhengzhou 450001, PR China.

E-mail: [yangran@zzu.edu.cn](mailto:yangran@zzu.edu.cn); [qulingbo@zzu.edu.cn](mailto:qulingbo@zzu.edu.cn) (L. Qu)<sup>1</sup>

---

\* Ran Yang, E-mail:[yangran@zzu.edu.cn](mailto:yangran@zzu.edu.cn)

\*Lingbo Qu, E-mail:[qulingbo@zzu.edu.cn](mailto:qulingbo@zzu.edu.cn)

Download English Version:

<https://daneshyari.com/en/article/5010138>

Download Persian Version:

<https://daneshyari.com/article/5010138>

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