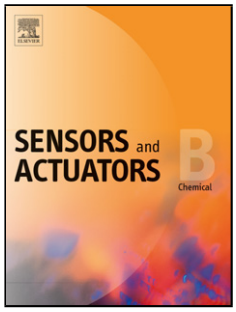

Title: A Novel Method for the Detection of Silver Ions with Carbon Dots: Excellent Selectivity, Fast Response, Low Detection Limit and Good Applicability

Authors: Jian-Cheng Jin, Bei-Bei Wang, Zi-Qiang Xu, Xiao-Hang He, Han-Feng Zou, Qi-Qi Yang, Feng-Lei Jiang, Yi Liu

PII: S0925-4005(18)30732-9
DOI: https://doi.org/10.1016/j.snb.2018.04.036
Reference: SNB 24511

To appear in: *Sensors and Actuators B*

Received date: 17-8-2017
Revised date: 4-4-2018
Accepted date: 6-4-2018

Please cite this article as: Jian-Cheng Jin, Bei-Bei Wang, Zi-Qiang Xu, Xiao-Hang He, Han-Feng Zou, Qi-Qi Yang, Feng-Lei Jiang, Yi Liu, A Novel Method for the Detection of Silver Ions with Carbon Dots: Excellent Selectivity, Fast Response, Low Detection Limit and Good Applicability, Sensors and Actuators B: Chemical https://doi.org/10.1016/j.snb.2018.04.036

A Novel Method for the Detection of Silver Ions with Carbon Dots: Excellent Selectivity, Fast Response, Low Detection Limit and Good Applicability

Jian-Cheng Jin[1], Bei-Bei Wang[1], Zi-Qiang Xu[1,4], Xiao-Hang He[5], Han-Feng Zou[1], Qi-Qi Yang[1], Feng-Lei Jiang[1,*], Yi Liu[1,2,3*]

[1] State Key Laboratory of Virology & Key Laboratory of Analytical Chemistry for Biology and Medicine (Ministry of Education), College of Chemistry and Molecular Sciences, Wuhan University, Wuhan 430072, P. R. China

[2] College of Chemistry and Chemical Engineering, Wuhan University of Science and Technology, Wuhan 430081, P. R. China

[3] College of Chemistry and Material Science, Guangxi Teachers Education University, Nanning, 530001, PR China

[4] Hubei Collaborative Innovation Center for Advanced Organic Chemical Materials, Ministry-of-Education Key Laboratory for the Green Preparation and Application of Functional Materials, Hubei Key Laboratory of Polymer Materials, School of Materials Science & Engineering, Hubei University, Wuhan 430062, China

[5] School of Chemistry, Chemical Engineering and Life Sciences, Wuhan University of Technology, Wuhan 430070, P. R. China

*Corresponding author: Tel: 86-27-68756667. Fax: 86-27-68754067. Email address: yiliuchem@whu.edu.cn (Y. Liu); fljiang@whu.edu.cn (F.-L. Jiang).

Graphical Abstract: