

Accepted Manuscript

Title: Highly sensitive detection of gallic acid based on organic electrochemical transistors with poly(diallyldimethylammonium chloride) and carbon nanomaterials nanocomposites functionalized gate electrodes

Authors: Can Xiong, Yang Wang, Hao Qu, Lijun Zhang, Longzhen Qiu, Wei Chen, Feng Yan, Lei Zheng

PII: S0925-4005(17)30245-9
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2017.02.025>
Reference: SNB 21756

To appear in: *Sensors and Actuators B*

Received date: 4-11-2016
Revised date: 17-1-2017
Accepted date: 2-2-2017

Please cite this article as: Can Xiong, Yang Wang, Hao Qu, Lijun Zhang, Longzhen Qiu, Wei Chen, Feng Yan, Lei Zheng, Highly sensitive detection of gallic acid based on organic electrochemical transistors with poly(diallyldimethylammonium chloride) and carbon nanomaterials nanocomposites functionalized gate electrodes, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2017.02.025>

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.



**Highly sensitive detection of gallic acid based on organic
electrochemical transistors with poly(diallyldimethylammonium
chloride) and carbon nanomaterials nanocomposites functionalized
gate electrodes**

Can Xiong^{a,‡}, Yang Wang^{b,‡}, Hao Qu^{b,*}, Lijun Zhang^c, Longzhen Qiu^c, Wei Chen^a,
Feng Yan^d, Lei Zheng^{a,*}

^aSchool of Food Science and Engineering, Hefei University of Technology, Hefei,
230009, China

^bSchool of Biological and Medical Engineering, Hefei University of Technology,
Hefei, 230009, China

^cAcademy of Opto-Electronic Technology, Hefei University of Technology, Hefei,
230009, China

^dDepartment of Applied Physics, The Hong Kong Polytechnic University, Hung Hom,
999077 Kowloon, Hong Kong

‡ These authors contribute equally to this work.

* Corresponding authors at:

School of Food Science and Engineering, Hefei University of Technology, Hefei,
230009, Anhui, P. R. China. Tel.: +86 551 62919398

School of Biological and Medical Engineering, Hefei University of Technology, Hefei,
230009, Anhui, P. R. China.

E-mail addresses: lei.zheng@aliyun.com (L. Zheng); quhao@hfut.edu.cn (H. Qu).

Download English Version:

<https://daneshyari.com/en/article/5009779>

Download Persian Version:

<https://daneshyari.com/article/5009779>

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