

## Accepted Manuscript

Title: High sensitive simultaneously electrochemical detection of hydroquinone and catechol with a poly(crystal violet) functionalized graphene modified carbon ionic liquid electrode

Author: <ce:author id="aut0005" biographyid="vt0005"> Wei Sun<ce:author id="aut0010" biographyid="vt0010"> Yuhua Wang<ce:author id="aut0015" biographyid="vt0015"> Yongxi Lu<ce:author id="aut0020" biographyid="vt0020"> Anhui Hu<ce:author id="aut0025" biographyid="vt0025"> Fan Shi<ce:author id="aut0030" biographyid="vt0030"> Zhenfan Sun



PII: S0925-4005(13)00829-0  
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2013.07.032>  
Reference: SNB 15724

To appear in: *Sensors and Actuators B*

Received date: 20-3-2013  
Revised date: 18-6-2013  
Accepted date: 10-7-2013

Please cite this article as: W. Sun, Y. Wang, Y. Lu, A. Hu, F. Shi, Z. Sun, High sensitive simultaneously electrochemical detection of hydroquinone and catechol with a poly(crystal violet) functionalized graphene modified carbon ionic liquid electrode, *Sensors and Actuators B: Chemical* (2013), <http://dx.doi.org/10.1016/j.snb.2013.07.032>

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.

**High sensitive simultaneously electrochemical detection of  
hydroquinone and catechol with a poly(crystal violet)  
functionalized graphene modified carbon ionic liquid electrode**

Wei Sun<sup>1\*</sup>, Yuhua Wang<sup>2</sup>, Yongxi Lu<sup>2</sup>, Anhui Hu<sup>2</sup>, Fan Shi<sup>1</sup>, Zhenfan Sun<sup>1</sup>

1. Key Laboratory of Tropical Medicinal Plant Chemistry of Ministry of Education,  
College of Chemistry and Chemical Engineering, Hainan Normal University, Haikou  
571158, P. R. China

2. College of Chemistry and Molecular Engineering, Qingdao University of Science and  
Technology, Qingdao 266042, P. R. China

---

\*Corresponding author, Tel/Fax: +86-898-31381637, E-mail: swyy26@hotmail.com

Download English Version:

<https://daneshyari.com/en/article/7148581>

Download Persian Version:

<https://daneshyari.com/article/7148581>

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