

## Accepted Manuscript

Title: Ultrasensitive Electrochemical Cancer Cells Sensor Based on Trimetallic Dendritic Au@PtPd Nanoparticles for Signal Amplification on Lab-on-Paper Device

Author: Shenguang Ge Yan Zhang Lina Zhang Linlin Liang Haiyun Liu Mei Yan Jiadong Huang Jinghua Yu



PII: S0925-4005(15)00770-4  
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2015.06.009>  
Reference: SNB 18572

To appear in: *Sensors and Actuators B*

Received date: 5-4-2015  
Revised date: 18-5-2015  
Accepted date: 1-6-2015

Please cite this article as: S. Ge, Y. Zhang, L. Zhang, L. Liang, H. Liu, M. Yan, J. Huang, J. Yu, Ultrasensitive Electrochemical Cancer Cells Sensor Based on Trimetallic Dendritic Au@PtPd Nanoparticles for Signal Amplification on Lab-on-Paper Device, *Sensors and Actuators B: Chemical* (2015), <http://dx.doi.org/10.1016/j.snb.2015.06.009>

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.

### Highlights

A trimetallic dendritic Au@PdPt NPs, possessed peroxidase-like activity, was fabricated by a simple method for signal amplification.

Folic acid attached to the surface of dendritic Au@PtPd NPs by click chemistry could selectively recognize the folate receptor of cell surface.

A sandwich sensor was designed and implemented on Lab-on-paper device for point-of-care testing.

Download English Version:

<https://daneshyari.com/en/article/7145759>

Download Persian Version:

<https://daneshyari.com/article/7145759>

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