

Accepted Manuscript

Title: A nonenzymatic amperometric glucose sensor based on three dimensional nanostructure gold electrode

Author: Guang-Xian Zhong Wen-Xin Zhang Yi-Ming Sun
Yin-Qiu Wei Yun Lei Hua-Ping Peng Ai-Lin Liu Yuan-Zhong
Chen Xin-Hua Lin



PII: S0925-4005(15)00159-8
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2015.02.003>
Reference: SNB 18059

To appear in: *Sensors and Actuators B*

Received date: 5-11-2014
Revised date: 28-1-2015
Accepted date: 2-2-2015

Please cite this article as: G.-X. Zhong, W.-X. Zhang, Y.-M. Sun, Y.-Q. Wei, Y. Lei, H.-P. Peng, A.-L. Liu, Y.-Z. Chen, X.-H. Lin, A nonenzymatic amperometric glucose sensor based on three dimensional nanostructure gold electrode, *Sensors and Actuators B: Chemical* (2015), <http://dx.doi.org/10.1016/j.snb.2015.02.003>

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.

**A nonenzymatic amperometric glucose sensor based on three
dimensional nanostructure gold electrode**

Guang-Xian Zhong^{a,c,e}, Wen-Xin Zhang^{a,e}, Yi-Ming Sun^{a,e}, Yin-Qiu Wei^{a,d}, Yun Lei^{a,e},
Hua-Ping Peng^{a,e}, Ai-Lin Liu^{a,e*}, Yuan-Zhong Chen^{b,e*}, Xin-Hua Lin^{a,e*}

*a Department of Pharmaceutical Analysis, Faculty of Pharmacy, Fujian Medical University,
Fuzhou, 350004, P. R. China*

*b Fujian Key Lab of haematology, Fujian Institute of Hematology, Affiliated Union Hospital
of Fujian Medical University, Fuzhou 350000, China*

*c Department of Orthopaedics, the First Affiliated Hospital of Fujian Medical University,
Fuzhou 350004, P. R. China*

*d Department of Pharmacy, the First Affiliated Hospital of Xiamen University, Xiamen,
361003, China*

*e. Nano Medical Technology Research Institute, Fujian Medical University, Fuzhou,
350004, P. R. China*

*Corresponding author: Tel.&Fax: +86 591 22862016, E-mail address: xhl1963@sina.com (X. H. Lin);
chenyz@mail.fjmu.edu.cn (Y. Z. Chen); ailinliu@mail.fjmu.edu.cn (A. L. Liu).
Guang-Xian Zhong and Wen-Xin Zhang contributed equally to the present study.

Download English Version:

<https://daneshyari.com/en/article/7145860>

Download Persian Version:

<https://daneshyari.com/article/7145860>

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