

Accepted Manuscript

Title: A highly sensitive non-enzymatic glucose sensor based on Cu/Cu₂O/CuO ternary composite hollow spheres prepared in a furnace aerosol reactor

Authors: Liang-Yi Lin, Bedia Begum Karakocak, Shalinee Kavadiya, Thiagarajan Soundappan, Pratim Biswas



PII: S0925-4005(17)32361-4
DOI: <https://doi.org/10.1016/j.snb.2017.12.035>
Reference: SNB 23723

To appear in: *Sensors and Actuators B*

Received date: 26-6-2017
Revised date: 1-12-2017
Accepted date: 7-12-2017

Please cite this article as: Liang-Yi Lin, Bedia Begum Karakocak, Shalinee Kavadiya, Thiagarajan Soundappan, Pratim Biswas, A highly sensitive non-enzymatic glucose sensor based on Cu/Cu₂O/CuO ternary composite hollow spheres prepared in a furnace aerosol reactor, *Sensors and Actuators B: Chemical* <https://doi.org/10.1016/j.snb.2017.12.035>

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 highly sensitive non-enzymatic glucose sensor based on Cu/Cu₂O/CuO ternary composite hollow spheres prepared in a furnace aerosol reactor

Liang-Yi Lin^{a†}, Bedia Begum Karakocak^{a†}, Shalinee Kavadiya^a, Thiagarajan Soundappan^{a,b} and Pratim Biswas^{a*}

^aAerosol and Air Quality Research Laboratory

Department of Energy, Environmental and Chemical Engineering, Washington University in St. Louis, St. Louis, MO 63130, USA

^bDepartment of Chemistry, School of Science

Navajo Technical University, Crownpoint, NM 87312, USA

Marked Revision

Submitted to

Sensors and Actuators B: Chemical

[†]Equal contribution

*To whom correspondence should be addressed:

Tel: +1-314-935-5548; Fax: +1-314-935-5464

E-mail address: pbiswas@wustl.edu

Download English Version:

<https://daneshyari.com/en/article/7141134>

Download Persian Version:

<https://daneshyari.com/article/7141134>

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