

Accepted Manuscript

Title: 3D graphene oxide-cobalt oxide polyhedrons for highly sensitive non-enzymatic electrochemical determination of hydrogen peroxide

Authors: Kogularasu Sakthivel, Mani Govindasamy, Shen-Ming Chen, Akilarasan Muthumariappan, Veerappan Mani, Shanthi Selvaraj



PII: S0925-4005(17)31191-7
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2017.06.172>
Reference: SNB 22643

To appear in: *Sensors and Actuators B*

Received date: 2-4-2017
Revised date: 25-5-2017
Accepted date: 26-6-2017

Please cite this article as: Kogularasu Sakthivel, Mani Govindasamy, Shen-Ming Chen, Akilarasan Muthumariappan, Veerappan Mani, Shanthi Selvaraj, 3D graphene oxide-cobalt oxide polyhedrons for highly sensitive non-enzymatic electrochemical determination of hydrogen peroxide, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2017.06.172>

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.

3D graphene oxide-cobalt oxide polyhedrons for highly sensitive non-enzymatic electrochemical determination of hydrogen peroxide

Kogularasu Sakthivel,^a Mani Govindasamy,^a Shen-Ming Chen,^{*,a} Akilarasan Muthumariappan,^a
Veerappan Mani,^{*,a,b} Shanthi Selvaraj^{c,d}

^a*Department of Chemical Engineering and Biotechnology, National Taipei University of Technology, Taipei, Taiwan 106 (ROC)*

^b*Graduate Institute of Biomedical and Biochemical Engineering, National Taipei University of Technology, Taipei, Taiwan (ROC)*

^c *Research Institute of Electronics, Shizuoka University, Japan*

^d *Department of Physics and Nanotechnology, SRM University, India*

Corresponding Authors

*E-mail: smchen78@ms15.hinet.net (S.-M. Chen).

*E-mail: veera.678@gmail.com (V. Mani).

Download English Version:

<https://daneshyari.com/en/article/5009028>

Download Persian Version:

<https://daneshyari.com/article/5009028>

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