Accepted Manuscript

Title: Synthesis of zinc oxide semiconductors-graphene nanocomposites by microwave irradiation for application to gas sensors

Author: Hyoun Woo Kim Yong Jung Kwon Ali Mirzaei Sung Yong Kang Myung Sik Choi Jae Hoon Bang Sang Sub Kim



PII:	S0925-4005(17)30576-2
DOI:	http://dx.doi.org/doi:10.1016/j.snb.2017.03.149
Reference:	SNB 22061
To appear in:	Sensors and Actuators B
Received date:	14-10-2016
Revised date:	17-3-2017
Accepted date:	28-3-2017

Please cite this article as: H.W. Kim, Y.J. Kwon, A. Mirzaei, S.Y. Kang, M.S. Choi, J.H. Bang, S.S. Kim, Synthesis of zinc oxide semiconductors-graphene nanocomposites by microwave irradiation for application to gas sensors, *Sensors and Actuators B: Chemical* (2017), http://dx.doi.org/10.1016/j.snb.2017.03.149

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.

ACCEPTED MANUSCRIPT

Synthesis of zinc oxide semiconductors-graphene nanocomposites by microwave irradiation for application to gas sensors

Hyoun Woo Kim^{a,b,*}, Yong Jung Kwon^a, Ali Mirzaei^b, Sung Yong Kang^a, Myung Sik Choi^a, Jae Hoon Bang^a, Sang Sub Kim^{c,**}

^aDivision of Materials Science and Engineering, Hanyang University, Seoul 133-791, Republic of Korea

^bThe Research Institute of Industrial Science, Hanyang University, Seoul 133-791, Republic of Korea

^cDepartment of Materials Science and Engineering, Inha University, Incheon 402-751, Republic of Korea

Key words: Microwave irradiation, Gas sensor, ZnO, Graphene, Nanocomposite.

* Corresponding author at: 222 Wangsimni-ro, Seongdong-gu, Seoul 133-791, Korea. Tel: +82 10 8428 0883; fax: +82 2 2220 0389.

** Corresponding author at: 100 Inha-ro, Nam-gu, Incheon 402-751, Korea. Tel: +82 32 860 7546; fax: +82 32 862 5546

E-mail: hyounwoo@hanyang.ac.kr (H.W. Kim), sangsub@inha.ac.kr(S.S. Kim).

Download English Version:

https://daneshyari.com/en/article/5009318

Download Persian Version:

https://daneshyari.com/article/5009318

Daneshyari.com