Accepted Manuscript

Title: Enhancement of gas sensing properties by the functionalization of ZnO-branched SnO₂ nanowires with Cr₂O₃ nanoparticles

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

PII: S0925-4005(17)30654-8

DOI: http://dx.doi.org/doi:10.1016/j.snb.2017.04.053

Reference: SNB 22139

To appear in: Sensors and Actuators B

Received date: 14-10-2016 Revised date: 3-4-2017 Accepted date: 8-4-2017

Please cite this article as: Yong Jung Kwon, Sung Yong Kang, Ali Mirzaei, Myung Sik Choi, Jae Hoon Bang, Sang Sub Kim, Hyoun Woo Kim, Enhancement of gas sensing properties by the functionalization of ZnO-branched SnO2 nanowires with Cr2O3 nanoparticles, Sensors and Actuators B: Chemicalhttp://dx.doi.org/10.1016/j.snb.2017.04.053

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

Enhancement of gas sensing properties by the

functionalization of ZnO-branched SnO2 nanowires with

Cr₂O₃ nanoparticles

Yong Jung Kwon^a, Sung Yong Kang^a, Ali Mirzaei^c, Myung Sik Choi^a, Jae

Hoon Bang^a, Sang Sub Kim^{b,*}, Hyoun Woo Kim^{a,c**}

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

Republic of Korea

^bDepartment of Materials Science and Engineering, Inha University, Incheon 402-751,

Republic of Korea

^cThe Research Institute of Industrial Science, Hanyang University, Seoul 133-791,

Republic of Korea

* Corresponding author at: 100 Inha-ro, Nam-gu, Incheon 402-751, Korea. Tel: +82 32 960 7546; fax: +82 32 862 5546.

** Corresponding author at: 222 Wangsimni-ro, Seongdong-gu, Seoul 133-791, Korea.
Tel: +82 2 2220 0382; fax: +82 2 2220 0389.

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

Download English Version:

https://daneshyari.com/en/article/5009325

Download Persian Version:

https://daneshyari.com/article/5009325

<u>Daneshyari.com</u>