

Accepted Manuscript

Title: A highly sensitive gas-sensing platform based on a metal-oxide nanowire forest grown on a suspended carbon nanowire fabricated at a wafer level

Authors: Yeongjin Lim, Soosung Kim, Yeong Min Kwon, Jeong Min Baik, Heungjoo Shin



PII: S0925-4005(17)32503-0
DOI: <https://doi.org/10.1016/j.snb.2017.12.167>
Reference: SNB 23855

To appear in: *Sensors and Actuators B*

Received date: 6-9-2017
Revised date: 22-12-2017
Accepted date: 27-12-2017

Please cite this article as: Yeongjin Lim, Soosung Kim, Yeong Min Kwon, Jeong Min Baik, Heungjoo Shin, A highly sensitive gas-sensing platform based on a metal-oxide nanowire forest grown on a suspended carbon nanowire fabricated at a wafer level, *Sensors and Actuators B: Chemical* <https://doi.org/10.1016/j.snb.2017.12.167>

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 gas-sensing platform based on a metal-oxide nanowire forest grown on a suspended carbon nanowire fabricated at a wafer level

Yeongjin Lim¹, Soosung Kim², Yeong Min Kwon³, Jeong Min Baik³, Heungjoo Shin^{2,*}

¹School of Materials Science and Engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea

²Department of Mechanical engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea

³School of Materials Science and Engineering, KIST-UNIST-Ulsan Center for Convergent Materials, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea

E-mail: hjshin@unist.ac.kr

Phone: +82-52-217-2315

Address: 50 UNIST-gil, Eonyang-eup, Ulju-gun, Ulsan 44919, Republic of Korea

Download English Version:

<https://daneshyari.com/en/article/7140715>

Download Persian Version:

<https://daneshyari.com/article/7140715>

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