

Accepted Manuscript

Title: Sensitivity enhancement of ammonia gas sensor based on Ag/ZnO flower and nanoellipsoids at low temperature

Authors: R. Sankar Ganesh, M. Navaneethan, V.L. Patil, S. Ponnusamy, C. Muthamizhchelvan, S. Kawasaki, P.S. Patil, Y. Hayakawa



PII: S0925-4005(17)31437-5
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2017.08.015>
Reference: SNB 22882

To appear in: *Sensors and Actuators B*

Received date: 20-3-2017
Revised date: 28-7-2017
Accepted date: 2-8-2017

Please cite this article as: Sankar Ganesh R., Navaneethan M., V.L.Patil, Ponnusamy S., Muthamizhchelvan C., S.Kawasaki, P.S.Patil, Y.Hayakawa, Sensitivity enhancement of ammonia gas sensor based on Ag/ZnO flower and nanoellipsoids at low temperature, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2017.08.015>

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.

Sensitivity enhancement of ammonia gas sensor based on Ag/ZnO flower and nanoellipsoids at low temperature

R. Sankar Ganesh ^{a, b}, M. Navaneethan ^{b, c, *}, V.L. Patil ^d, S. Ponnusamy ^{b, *}, C. Muthamizhchelvan ^b, S. Kawasaki ^e P.S. Patil ^d, Y. Hayakawa ^{a, c, *}

^a Graduate School of Science and Technology, Shizuoka University, 3-5-1 Johoku, Naka-ku, Hamamatsu, Shizuoka 432-8011, Japan

^b Center for Materials Science and Nano Devices, Department of Physics and Nanotechnology, SRM University, Kattankulathur, Kancheepuram- 603203, Tamil Nadu, India.

^c Research Institute of Electronics, Shizuoka University, 3-5-1 Johoku, Naka-ku, Hamamatsu, Shizuoka 432-8011, Japan

^d Thin Film Materials Laboratory, Department of Physics, Shivaji University, Kolhapur, India.

^e Department of Materials Science and Engineering, Nagoya Institute of Technology, Gokiso-ku, Showa-ku, Nagoya 466-8555, Japan

*Corresponding authors.

E-mail address: suruponnus@gmail.com S. Ponnusamy), royhaya@ipc.shizuoka.ac.jp (Y. Hayakawa). mpnavaneethan@yahoo.co.in (M. Navaneethan)

Download English Version:

<https://daneshyari.com/en/article/7142026>

Download Persian Version:

<https://daneshyari.com/article/7142026>

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