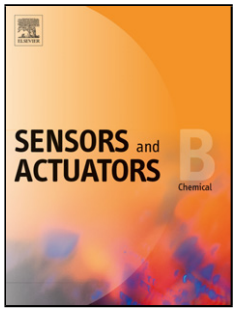

Title: Palladium Nanogap-based H_2 Sensors on a Patterned Elastomeric Substrate Using Nanoimprint Lithography

Author: Byungjin Jang Sungmee Cho Cheolmin Park Heon Lee Min-Jung Song Wooyoung Lee

PII: S0925-4005(15)30056-3
DOI: http://dx.doi.org/doi:10.1016/j.snb.2015.06.142
Reference: SNB 18719

To appear in: *Sensors and Actuators B*

Received date: 28-1-2015
Revised date: 1-6-2015
Accepted date: 30-6-2015

Please cite this article as: B. Jang, S. Cho, C. Park, H. Lee, M.-J. Song, W. Lee, Palladium Nanogap-based H_2 Sensors on a Patterned Elastomeric Substrate Using Nanoimprint Lithography, *Sensors and Actuators B: Chemical* (2015), http://dx.doi.org/10.1016/j.snb.2015.06.142

RESPONSE TO THE REVIEWER 2

Palladium Nanogap-based H_2 Sensors on a Patterned Elastomeric Substrate Using Nanoimprint Lithography

Byungjin Jang[a], Sungmee Cho[a], Cheolmin Park[a], Heon Lee[b], Min-Jung Song[c,*] and Wooyoung Lee[a,*]

[a]*Department of Materials Science and Engineering, Yonsei University, 262 Seongsanno, Seoul 120-749, Republic of Korea*

[b]*Department of Materials Science and Engineering, Korea University 5-1 Anam-dong, Sungbuk-gu, Seoul 136-701, Republic of Korea*

[c]*College of Liberal Art & Interdisciplinary Studies, Kyonggi University, 154-42 Gwanggyosan-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-760, Korea*

*Author to whom correspondence should be addressed: e-mail: wooyoung@yonsei.ac.kr, Phone: +82 2 2123 2834, Fax: +82 2 312 5375; e-mail: mjsong@kyonggi.ac.kr

We are grateful to the Reviewer 2 for a careful and thorough report, and for raising numerous issues that relate directly to the clarity of the manuscript and the interpretation of the data. After discussing his (her) report, we agree with the suggestion of the Reviewer 2 to submit the revised manuscript to *Sensors and Actuators B: Chemical*. We respond to the Reviewer's comments below, point by point, and describe the associated revisions to the manuscript.

1. **<u>The novelty of the sensors compared to ref [19] and [25].</u>**