

Accepted Manuscript

Title: Adsorption sensitivity of metal atom decorated bilayer graphene toward toxic gas molecules (CO, NO, SO₂ and HCN)

Author: Yanan Tang Zhiyong Liu Zigang Shen Weiguang Chen Dongwei Ma Xianqi Dai



PII: S0925-4005(16)31074-7
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2016.07.039>
Reference: SNB 20537

To appear in: *Sensors and Actuators B*

Received date: 7-4-2016
Revised date: 19-6-2016
Accepted date: 11-7-2016

Please cite this article as: Yanan Tang, Zhiyong Liu, Zigang Shen, Weiguang Chen, Dongwei Ma, Xianqi Dai, Adsorption sensitivity of metal atom decorated bilayer graphene toward toxic gas molecules (CO, NO, SO₂ and HCN), Sensors and Actuators B: Chemical <http://dx.doi.org/10.1016/j.snb.2016.07.039>

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.

*****All the revision are shown in BLUE in the revised manuscript *****

Adsorption sensitivity of metal atom decorated bilayer graphene toward toxic gas molecules (CO, NO, SO₂ and HCN)

Yanan Tang ^{a,b*}, Zhiyong Liu ^{b*}, Zigang Shen ^a, Weiguang Chen ^a Dongwei Ma ^c and

Xianqi Dai ^{a,b*}

^a College of Physics and Electronic Engineering, Quantum Materials Research
Center, Zhengzhou Normal University, Zhengzhou Henan, 450044, China

^b College of Physics and Electronic Engineering, Henan Normal University, Xinxing
Henan, 453007, China

^c School of Physics, Anyang Normal University, Anyang 455000, China

Graphical abstract

*Corresponding author. Tel.:Fax: +86 371 65502273. E-mail address: yntang2010@163.com (Y. Tang), 021168@htu.cn (Z. Liu), xqdaizs@163.com (X. Dai).

Download English Version:

<https://daneshyari.com/en/article/7142482>

Download Persian Version:

<https://daneshyari.com/article/7142482>

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