

# Accepted Manuscript

Full Length Article

High performance photodiodes based on chemically processed Cu doped SnS<sub>2</sub> nanoflakes

G. Mohan Kumar, Fu Xiao, P. Ilanchezhian, Sh. Yuldashev, A. Madhan Kumar, H.D. Cho, D.J. Lee, T.W. Kang

PII: S0169-4332(18)31517-4  
DOI: <https://doi.org/10.1016/j.apsusc.2018.05.197>  
Reference: APSUSC 39473

To appear in: *Applied Surface Science*

Received Date: 22 March 2018  
Revised Date: 17 May 2018  
Accepted Date: 25 May 2018

Please cite this article as: G. Mohan Kumar, F. Xiao, P. Ilanchezhian, Sh. Yuldashev, A. Madhan Kumar, H.D. Cho, D.J. Lee, T.W. Kang, High performance photodiodes based on chemically processed Cu doped SnS<sub>2</sub> nanoflakes, *Applied Surface Science* (2018), doi: <https://doi.org/10.1016/j.apsusc.2018.05.197>

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.



# High performance photodiodes based on chemically processed Cu doped SnS<sub>2</sub> nanoflakes

G. Mohan Kumar<sup>a</sup>, Fu Xiao<sup>a</sup>, P. Ilanchezhiyan<sup>a\*</sup>, Sh. Yuldashev<sup>a</sup>, A. Madhan Kumar<sup>b</sup>,

H. D. Cho<sup>c</sup>, D. J. Lee<sup>c</sup> and T. W. Kang<sup>a</sup>

<sup>a</sup> Nano-Information Technology Academy (NITA), Dongguk University,  
Seoul, Republic of Korea.

<sup>b</sup> Center of Research Excellence in Corrosion, King Fahd University of Petroleum & Minerals,  
Saudi Arabia

<sup>c</sup> Quantum-Functional Semiconductor Research Center, Dongguk University,  
Seoul, Republic of Korea

Corresponding author: [ilancheziyan@dongguk.edu](mailto:ilancheziyan@dongguk.edu)

Download English Version:

<https://daneshyari.com/en/article/7833194>

Download Persian Version:

<https://daneshyari.com/article/7833194>

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