#### Accepted Manuscript

Research paper

Density functional theory based prediction of a new two-dimensional TeSe<sub>2</sub> Semiconductor: A case study on the electronic properties

Mosayeb Naseri, M.M. Abutalib, Majid Alkhambashi, Khaled Salehi, Ahmed Farouk

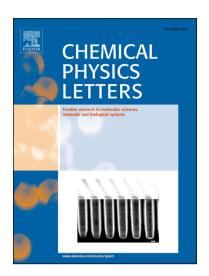
PII: S0009-2614(18)30595-5

DOI: https://doi.org/10.1016/j.cplett.2018.07.050

Reference: CPLETT 35814

To appear in: Chemical Physics Letters

Received Date: 20 June 2018 Revised Date: 18 July 2018 Accepted Date: 20 July 2018



Please cite this article as: M. Naseri, M.M. Abutalib, M. Alkhambashi, K. Salehi, A. Farouk, Density functional theory based prediction of a new two-dimensional TeSe<sub>2</sub> Semiconductor: A case study on the electronic properties, *Chemical Physics Letters* (2018), doi: https://doi.org/10.1016/j.cplett.2018.07.050

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.

### **ACCEPTED MANUSCRIPT**

## Density functional theory based prediction of a new twodimensional TeSe<sub>2</sub> Semiconductor: A case study on the electronic properties

Mosayeb Naseri, <sup>1,\*</sup>, M.M.Abutalib<sup>2,3</sup>, Majid Alkhambashi<sup>4</sup>, Khaled Salehi<sup>1</sup>, Ahmed Farouk<sup>5</sup>

<sup>1</sup>Department of Physics, Kermanshah Branch, Islamic Azad University, Kermanshah, Iran

<sup>2</sup>Department of Physics, Faculty of Science, University of Jeddah, Jeddah, Saudi Arabia

<sup>3</sup>Physics Department, Faculty of Science-AL Faisaliah Campus, King Abdul Aziz University, Jeddah, Saudi Arabia

<sup>⁴</sup>Information Technology Department, Al-Zahra College for Women, Muscat, Oman <sup>⁵</sup>Department of Physics and Computer Science, Wilfrid Laurier University, Waterloo, Canada

To whom correspondence should be addressed. Email: m.naseri@iauksh.ac.ir.

#### Download English Version:

# https://daneshyari.com/en/article/7837510

Download Persian Version:

https://daneshyari.com/article/7837510

<u>Daneshyari.com</u>