

Accepted Manuscript

Interface modification of titanium dioxide nanoparticles by titanium-substituted polyoxometalate doping for improvement of photoconductivity and gas sensing applications

Hongyu Shi, Na Li, Zhixia Sun, Tianqi Wang, Lin Xu

PII: S0022-3697(18)30247-6

DOI: [10.1016/j.jpcs.2018.04.014](https://doi.org/10.1016/j.jpcs.2018.04.014)

Reference: PCS 8530

To appear in: *Journal of Physics and Chemistry of Solids*

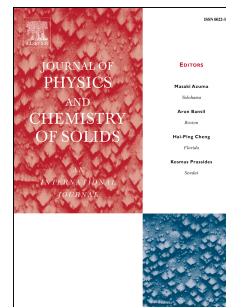
Received Date: 31 January 2018

Revised Date: 7 April 2018

Accepted Date: 15 April 2018

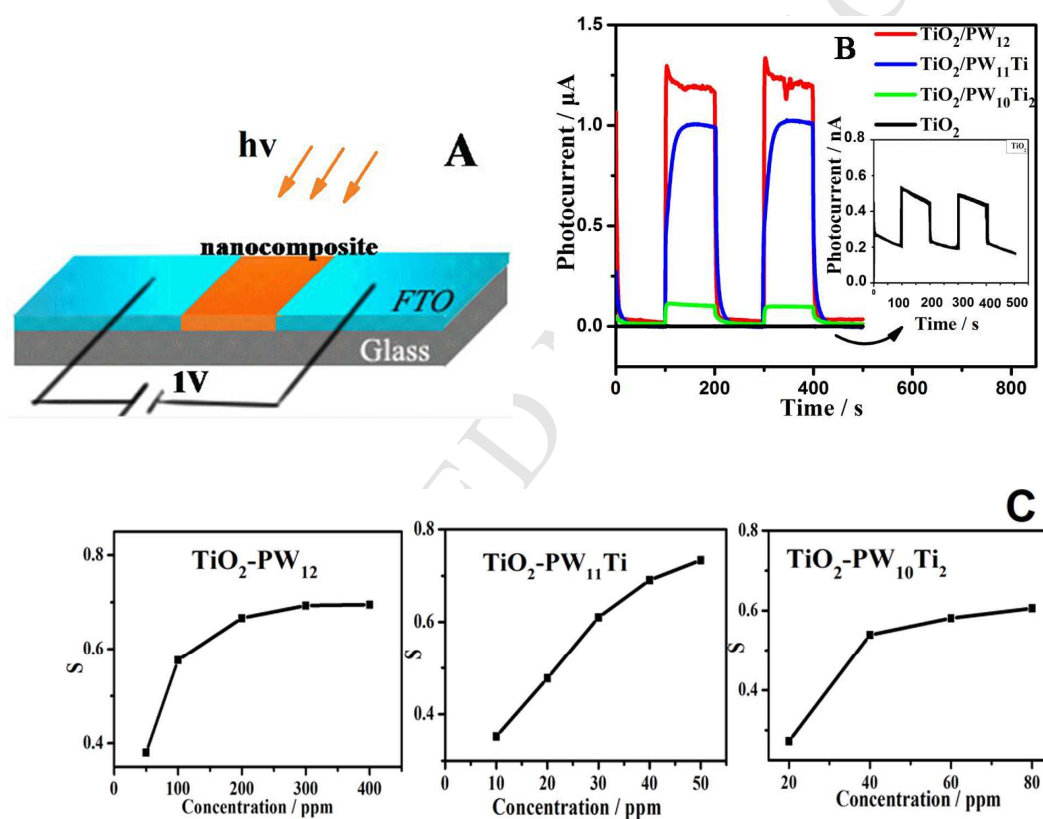
Please cite this article as: H. Shi, N. Li, Z. Sun, T. Wang, L. Xu, Interface modification of titanium dioxide nanoparticles by titanium-substituted polyoxometalate doping for improvement of photoconductivity and gas sensing applications, *Journal of Physics and Chemistry of Solids* (2018), doi: 10.1016/j.jpcs.2018.04.014.

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.



Graphical Abstract

New photoconductive nanocomposites of TiO_2 /polyoxometalates are prepared to demonstrate both the photoconductivity improvement and the gas sensing performance for acetone gas.



Download English Version:

<https://daneshyari.com/en/article/7919951>

Download Persian Version:

<https://daneshyari.com/article/7919951>

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