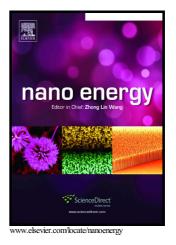
## Author's Accepted Manuscript

Electric-field Control of Li-Doping Induced Phase Transition in  $VO_2$  Film with Crystal Facet-Dependence

Yuliang Chen, Zhaowu Wang, Shi Chen, Hui Ren, Bowen Li, Wensheng Yan, Guobin Zhang, Jun Jiang, Chongwen Zou



PII:	S2211-2855(18)30465-8
DOI:	https://doi.org/10.1016/j.nanoen.2018.06.070
Reference:	NANOEN2851

To appear in: Nano Energy

Received date: 2 May 2018 Revised date: 6 June 2018 Accepted date: 20 June 2018

Cite this article as: Yuliang Chen, Zhaowu Wang, Shi Chen, Hui Ren, Bowen Li, Wensheng Yan, Guobin Zhang, Jun Jiang and Chongwen Zou, Electric-field Control of Li-Doping Induced Phase Transition in VO<sub>2</sub> Film with Crystal Facet-Dependence, *Nano Energy*, https://doi.org/10.1016/j.nanoen.2018.06.070

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 galley proof before it is published in its final citable 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.

## Electric-field Control of Li-Doping Induced Phase Transition in VO<sub>2</sub> Film with Crystal Facet-Dependence

Yuliang Chen<sup>1,3+</sup>, Zhaowu Wang<sup>2, 4+</sup>, Shi Chen<sup>1</sup>, Hui Ren<sup>1</sup>, Bowen Li<sup>1</sup>, Wensheng Yan<sup>1</sup>, Guobin Zhang<sup>1</sup>, Jun Jiang<sup>2</sup>, Chongwen Zou<sup>1</sup>\*

<sup>1</sup>National Synchrotron Radiation Laboratory, University of Science and Technology of China, Hefei, 230026, China

<sup>2</sup>Hefei National Laboratory for Physical Sciences at the Microscale, iChEM (Collaborative Innovation Center of Chemistry for Energy Materials), CAS Center for Excellence in Nanoscience, and School of Chemistry and Materials Science, University of Science and Technology of China, Hefei, 230026, China

<sup>3</sup>School of Materials Science and Engineering, Georgia Institute of Technology, Atlanta, Georgia 30332–0245, United States

<sup>4</sup>School of Physics and Engineering, Henan University of Science and Technology, Henan Key Laboratory of Photoelectric Energy Storage Materials and Applications, Luoyang, Henan 471023, China Download English Version:

## https://daneshyari.com/en/article/7952322

Download Persian Version:

https://daneshyari.com/article/7952322

Daneshyari.com