

Supplementary Materials for
Growth of SnO₂ nanowire arrays by ultrasonic spray
pyrolysis and their gas sensing performance

Jianbo Sun¹, Peng Sun², Dalin Zhang², Jing Xu², Xishuang Liang², Fengmin Liu^{2},*

Geyu Lu^{2}*

1. Key Laboratory for Photonic and Electronic Bandgap Materials, Ministry of Education, School of Physics and Electronic Engineering, Harbin Normal University, Harbin 150025, P. R. China.

2. State Key Laboratory on Integrated Optoelectronics Jilin University Region; College of Electronic Science and Engineering, Jilin University, 2699 Qianjin Street, Changchun 130012, P. R. China

Corresponding author. Tel.: +86-431-85167808; Fax: +86-431-85167808.

E-mail Address: liufm@jlu.edu.cn

luy@jlu.edu.cn

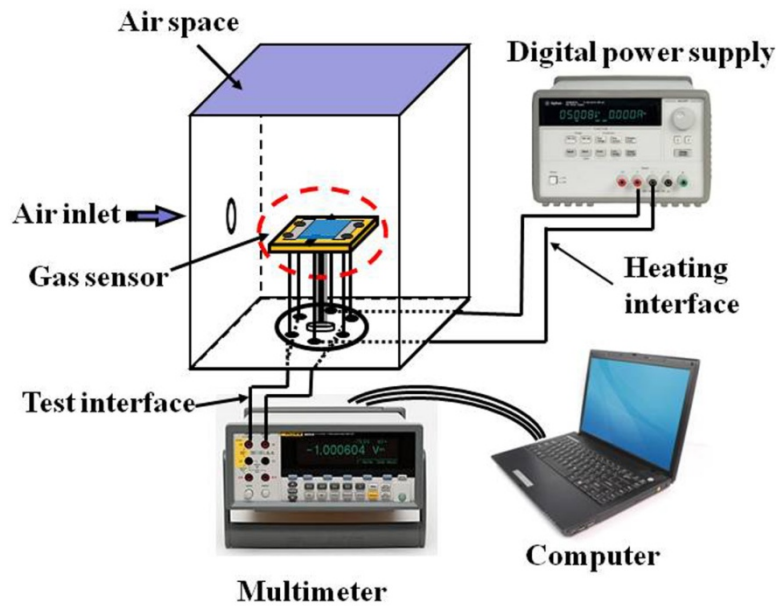


Figure S1. Static gas sensor test system

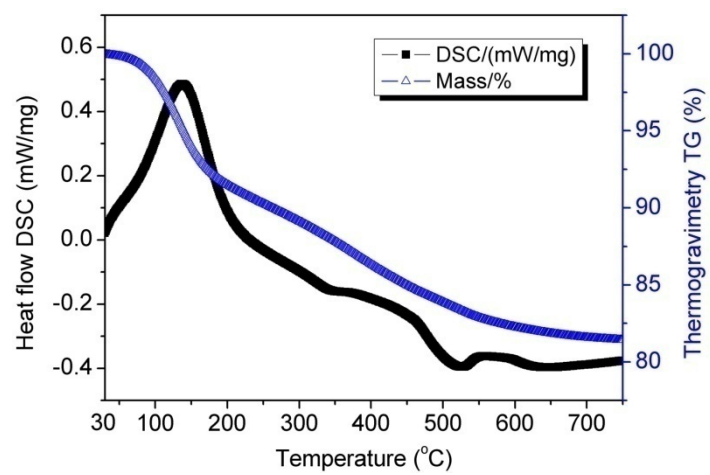


Figure S2 TG–DSC curve of Sn(OH)₄

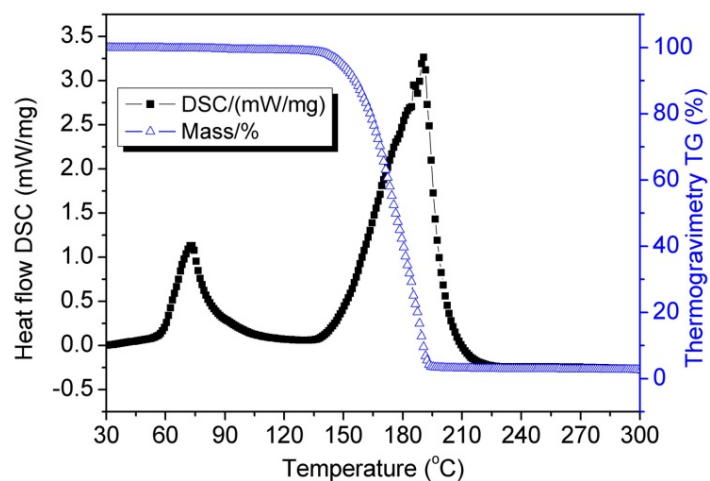
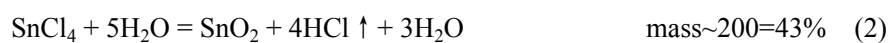


Figure S3 TG–DSC curve of SnCl₄·5H₂O.

The relative reaction equation and mass loss were given in the equation (1) and (2).



186.7 150.7 18



260.5 18 150.7