


Information				
Name	YAN Shuang	Gender	Female	
Professional Title	Lecturer	Education	Ph.D	
Telephone	0411-86323708	Emai	yanye150@outlook.com	
Address	No. 1st Qinggongyuan, Ganjingzi, Dalian	Postcode	116034	

Introduction

Dr. Yan Shuang received a bachelor degree in Chemistry & Chemical Engineering from Chongqing University in 2010 and a Ph. D degree in School of Chemical Science and Engineering from Tongji University in 2015. She joined School of Textile and Material Engineering at Dalian Polytechnic University in 2016.

Research Area

Synthesis and functionalization of inorganic nanomaterials.

- (1) Controllable synthesis and functional modification of metal oxide semiconductors;
- (2) Development of gas sensors;
- (3) Design and construction of carbon-based flexible materials.

Publication:

[1] Shuang Yan, Guangtao Zan and Qingsheng Wu. An ultrahigh-sensitivity and selective sensing material for ethanol: α - γ - Fe_2O_3 mixed-phase mesoporous nanofibers, *Nano Research*, Vol.8(11): 3673-3686,2015. IF: 7.01

[2] Shuang Yan, Qingsheng Wu. A novel structure for enhancing the sensitivity of gas sensors – α - Fe_2O_3 nanoropes containing a large amount of grain boundaries and their excellent ethanol sensing performance, *Journal of Materials Chemistry A*, Vol. 3: 5982–5990, 2015. IF: 7.443

[3] Shuang Yan, Qingsheng Wu. Micropored Sn-SnO₂/carbon heterostructure nanofibers and their highly sensitive and selective C₂H₅OH gas sensing performance, *Sensors and Actuators B*, Vol.205: 329–337, 2014. IF: 4.097