

## Associate Professor XIA Weiwei

College	College of Physical Science and Technology
Current Position	Associate Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	1) 2013.6-2009.9: Department of Physics, Zhejiang University. Doctor 2) 2008.6-2005.9: College of Physics Science and Technology, Yangzhou University .Master 3) 2005.6-2001.9: College of Physics Science and Technology, Yangzhou University. Bachelor
Research Interests	1) Photoelectric properties of wide band gap semiconductor 2) Anode nanomaterials for Lithium Ion Batteries
Selected Publications	1) Weiwei Xia, Haoyu Qian, Xianghua Zeng*, Jing Dong, Juan Wang, Qin Xu, Visible-light Self-powered Photodetector and Recoverable Photocatalyst Fabricated from Vertically Aligned Sn3O4 Nanoflakes on Carbon Paper. J. Phys. Chem. C, 2017, DOI: 10.1021/acs.jpcc.7b05520. 2) Weiwei Xia, Wanrong Li, Xianghua Zeng*, Dan Shan, Junfeng Lu, Guoqing Wu, Jing Dong, Min Zhou, Interconnected SnO2 Microsphere Films and their Improved Ultraviolet Photodetector Properties. Journal of Electronic Materials, 2017, DOI: 10.1007/s11664-017-5711-6. 3) Weiwei Xia, Chao Mei, Xianghua Zeng*, Shuai Chang, Guoqing Wu, Xiaoshuang Shen, Mesoporous Multi-shelled ZnO Microspheres for the Scattering Layer of Dye Sensitized Solar Cell with a High Efficiency, Appl. Phys. Lett., 2016, 108, 113902. (cite: 3) 4) Weiwei Xia, Chao Mei, Guokang Fan, Xianghua Zeng, Junfeng Lu, Xiangdong Meng, Xiaoshuang Shen, Nanoplate-built ZnO Hollow Microspheres Decorated with Au Nanoparticles and their Enhanced Photocatalytic and Gas Sensing Properties, ACS Applied Materials & Interfaces. 2015, 7, 11824-11832. (cite: 26) 5) Weiwei Xia*, Haibo Wang, Xianghua Zeng* Jie Han, Jun Zhu, Min Zhou and Shudong Wu, High Efficient Photocatalytic Activity of Type-II SnO/Sn3O4 Heterostructures via Interfacial Charge Transfer, CrystEngComm, 2014, 16, 6841-6847. (cite: 24)

	<p>6) Weiwei Xia*, Jun Zhu, Haibo Wang, Xianghua Zeng*, Effect of Catalyst Shape on Etching Orientation in Metal-assisted Chemical Etching of Silicon, CrystEngComm, 2014,16, 4289-4297.</p> <p>7) Weiwei Xia, Jian Sha, Yanjun Fang, Ren Lu, Yafei Luo, and Yewu Wang, Gold Nanoparticles Assembling on Smooth Silver Spheres for Surface-Enhanced Raman Spectroscopy, Langmuir, 2012, 28, 5444-5449. (cite: 18)</p> <p>8) Weiwei Xia, Yewu Wang, Yafei Luo, Jiayun Li, Yanjun Fang, Lin Gu, Jiajian Peng, Jian Sha, Facile approach to synthesize SnO<sub>2</sub> nanoparticles@carbon nanofibers as anode materials for lithium-ion battery, Journal of Power Sources, 2012, 217, 351-357. (cite: 18)</p>
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