

Tianyue Qian

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Education

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| 2013.9-now | Zhiyuan College, Shanghai Jiao Tong University (SJTU),
Major: Chemistry |
| 2010.9-2013.6 | High School Affiliated to Shanghai Jiao Tong University |
| 2006.9-2010.6 | No.2 Middle School Affiliated to SJTU |

Research Experience

- University of Michigan, Department of Chemistry

Visiting Undergraduate Student

Supervisor: Prof. Stephen Maldonado

2016.9-now	Air-stable synthesis of lead-halide perovskite solar cells
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- Shanghai Jiaotong University, Department of Chemistry

Undergraduate Research Fellow

Supervisor: Dr. Jiantao Zai

2016.6-2016.9	MoS ₂ materials for Li-ion batteries
2015.2-2016.5	Ag ₂ S and Ag ₈ GeS ₆ for counter electrodes in Dye sensitized solar cells(DSSCs)
2014.3-2015.3	Metal Selenides for counter electrodes in DSSCs

- Shanghai Jiaotong University, Department of Chemistry

Undergraduate Research Rotation

Supervisor: Prof. Shun'ai Che

2013.10-2014.1	Porous Materials
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- Shanghai Jiaotong University, Department of Polymers Science and Engineering

High school Research internship

Supervisor: Prof. Xinling Wang

2010.5-2012.5 Biodegradable polymer materials

Awards and Honors

- Second-class scholarship of Shanghai Jiao Tong University 2014
- The best group presentation in Cambridge Academic Development Seminar 2015
- Second-class scholarship of Shanghai Jiao Tong University 2015
- First-class scholarship of Shanghai Jiao Tong University 2016

Publication

1. Qingquan He, **Tianyue Qian**, Jiantao Zai,* Qiquan Qiao, Shoushuang Huang, Yiran Li and Min Wang, Efficient Ag_8GeS_6 counter electrode prepared from nanocrystal ink for dye-sensitized solar cells, *J. Mater. Chem. A*, 3(40): 20359-20365, 2015
2. Wenlong Chen, Min Wang, **Tianyue Qian**, Hongliang Cao, Shoushuang Huang, Qingquan He, Na Liang, Cheng Wang, Jiantao Zai*, Rational design and fabrication of skeletal Cu_7S_4 nanocages for efficient counter electrode in quantum dot-sensitized solar cells, *Nano Energy* (2015) 12, 186–196
3. Inventors: RR Qi, **TY Qian**, G Li, DD Ye, J Zhu, FS Chen. Biodegradable raw material of toothbrush handle and preparation method thereof, Patent number: ZL201110315834.8, Application date: 2011-10-18, Date of publication and mention of the grant of the patent: 2013-04-17.
4. Inventors: Y Lu, **TY Qian**, RR Qi, XL Hu, JQ Lu, XL Wang. Preparation method for anti-radiation ethylene-vinyl acetate copolymer composite material, Patent number: ZL201210027893.X, Application date: 2012-02-08, Date of publication and mention of the grant of the patent: 2013-11-20
5. Dandan Ye, Jiaqi Lu, **Tianyue Qian**, Rongrong Qi*, Zhusheng Cao, Research on Poly (lactic acid)/ Poly (butylenes succinate) Blends, *China Plastics*, Vol.26, No.3, 23-27, Mar. 2012