

Mr. XIANG, YUANHUI

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Education Background

- 07/2007 – 07/2013 **Donghua University**, School of Chemistry, Chemical Engineering and Biochemistry
Major in Applied Chemistry
Bachelor of Science expected in June 2013
GPA(Overall): 3.34
- 08/2013 – 05/2014 **Case Western Reserve University**, School of art and science, Department of chemistry
Major in Chemistry
Master of Science
- 08/2014 – Present Case Western Reserve University, School of art and science, Department of chemistry
Major in Chemistry
Doctor of philosophy

Student Work & Community Activities

- 09/2009 – Now **Commissary responsible for Publicity Affairs for the Youth League in university**
- 09/2009 – 09/2010 **Member of Recreation Department of The University Student Union,**
Secretary in charge of Planning and Executing
- Participating planning the whole process of Welcome Ceremony for freshmen
- Performed a live chemistry experiment show "*The Magic Chemistry in Life*"

Teaching Assistant Experience

- 09/2011 – 06/2012 **Teaching Assistant for Basic Organic Chemistry**
- Responsible for correcting homework of the other students and responding with feedback summary
- Collect the problems of the homework and report to the professor and help to solve them

Project Experience

- 02/2010 – 02/2011 **The Synthetic of New Steroid with Biological Activity**
- Belong to National Student Innovative Experiment Project.
- Responsible for synthesizing the intermediate 16-DPA
- Fix the synthesizing route with another team member
- Mastered basic experimentation skills, learned how to use TLC to supervise the process of experiment.
- 06/2012 – 06/2013 **A novel way for Acridinium bromide**
- A way to synthesize Acridinium bromide starts from 3-quinuclidione, a cheaper reactant, and avoids the high temperature needed while conducting the esterification reported in previous reference
- 09/2013 – present **Radical polymerization for conjugated polymers**

Publications

- 26/2012 Synthesis and characterization of new phenyl esters derived from 16-dehydropregnenolone acetate was accepted in Research on Chemical intermediates

Volunteer Experience

- 07/2010 **Support the Education in Xiji, Ningxia Province**
Xiji County has an obvious economic gap between the rich area in China. The highest education level of the teachers in Datan Primary School is high school graduation. I joined a group consisting of university students from Shanghai and I was responsible for the 15-day's teaching of Chinese and Mathematics. Our group was highly acknowledged and our performance was reported onto the local newspaper *Ningxia's Daily*.

Scholarships & Awards

- 10/2009 Fukuda FXCM Scholarship
- 10/2009 – 10/2010 Academic Excellence Award- Ranked to the 8th in the Class of 63 Students
- 09/2009 Third-Class Scholarship of Dynamical Chemical Incorporated
- 03/2010 Class 2 of Computer Language C

10/2010 – 10/2011 Academic Excellence Award- Ranked to the 7th in the Class of 63 Students
06/2012 Third Prize of the Shanghai College Students' Chemistry Experiment Competition
06/2012 Scholarship Award for the Individual Event of Scientific Contest

Hobbies & Specialties

Class-Nine for Electronic Organ Proficiency, had a personal show in nine years old.

Enjoy Chinese Classic Music; be skilled at playing the Chinese Flute.