

Winnie Liu

Current Address

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Permanent Address

5327 Windsor Hills Dr.
Fairfax VA 22032

Education

Rutgers University, Ph. D. Candidate
School of Arts and Sciences, Geology Department
Advisor, Paul Falkowski
New Brunswick, NJ

University of Virginia, College of Arts and Sciences
B.S. Chemistry Specializing in Environmental Chemistry
Intermediate Honors, Dean's List, GPA 3.825
Charlottesville, VA
May 2015

Research Experience

Research under Prof. Falkowski
Photochemistry of minerals
Present

Research under Prof. Pu
Worked under Dr. Shan-yong Chen and Dr. Wencai Huang developing, optimizing, and testing the procedure for the enantioselective catalysis of propargylic alcohols
January 2014 – May 2015

Awards and Scholarships

Rodig Undergraduate Research Scholarship 2014
Frederick S. Richardson Award for Excellence in Chemistry 2015

Publications

Chen, S.; Liu, W.; Wu, X.; Ying, J.; Yu, X.; Pu, L. A Lewis acid activated reaction of Zn with EtI to promote highly enantioselective alkyne additions to aldehydes. *Chem. Commun.* **2015**.

Volunteer Work

VISAS Program | *Charlottesville, VA*
Spoke with international students to improve their conversational English
February 2013 – May 2015

Madison House | *Charlottesville, VA*
Tutored middle school students in mathematics
September – December 2013

HNL International Exchange Consulting | *Ashburn, VA*
Helped staff members manage several groups of 18 elementary-aged students
July 2013

Skills

- Comfortable with ChemDraw, experience with Wolfram Mathematica, MathCAD, and OriginPro
- Conversationally fluent in Chinese
- Comfortable with Adobe Photoshop, exposure to Adobe Dreamweaver