

TING ZHOU

PhD candidate
Chemistry Department of UNT
Office room 254, Chemistry building
tingzhou@my.unt.edu

EDUCATION

PhD in Chemistry, expected December 2017

University of North Texas, Denton, Texas

Emphasis: Analytical Chemistry

GPA: 3.8/4.0

MS in Chemistry, December 2012

Texas A&M University-Commerce, Commerce, Texas

Thesis: Selective Hydrogenation of Acetylene over Pd on Ionic Liquid loaded SiO₂ Support

Emphasis: Physical Chemistry

GPA: 3.6/4.0

BS in Horticulture, June 2009

Agricultural University of Hebei, Hebei, P. R. China

Thesis: Isolation Requirements of Protoplasts from Wild Jujube Pollen

Emphasis: Protected Agricultural Science and Engineering

GPA: 3.4/4.0

PROFESSIONAL EXPERIENCE

Research Assistant

October 2013-Present University of North Texas, Department of Chemistry, Denton, TX.

June 2013-September 2013 University of North Texas, Department of Chemistry, Denton, TX.

June 2011-December 2012 Texas A&M University-Commerce, Department of Chemistry, Commerce, TX.

- Assisted Dr. Teresa Golden with the project of corrosion protection for stainless steels.
- Assisted Dr. Paul Marshall with the project of kinetic and modeling studies of gas phase reactions using laser flash photolysis techniques.
- Assisted Dr. Ben Jang with the project of selective hydrogenation of acetylene in ethylene.
- Mastered the use of XRD, SEM, AAS, XPS, GC, TGA, HPLC, DSC, FT-IR and AMI-200.
- Attained knowledge on how to write scientific papers.

Teaching Assistant

January 2013-Present University of North Texas, Department of Chemistry, Denton, TX.

January 2011-December 2012 Texas A&M University-Commerce, Department of Chemistry, Commerce, TX.

- Assisted in teaching 50+ students in developing laboratory skills.
- Graded and made comments on pre- and post-lab of undergraduate students.

Graduate Assistant

September 2013-May 2014 University of North Texas, Department of Chemistry, Denton, TX.
August 2010-December 2010 Texas A&M University-Commerce, Department of Chemistry, Commerce, TX.

- Assisted with the preparation for labs and operation of stock-room.
- Assisted with lab enrollments for undergraduate students.

Lab Instructor

August 2012-December 2012 Texas A&M University-Commerce, Department of Chemistry, Commerce, TX.

- Administered the lab instructions and explain important concepts to students.
- Directed TAs in teaching students and running labs.

Graduate Tutor

June 2014-December 2015 University of North Texas, Department of Chemistry, Denton, TX.

- Provided tutorial chemistry instruction to students enrolled in undergraduate chemistry courses.

PRESENTATIONS

- NACE Conference & Expo 2017, New Orleans, LA, Mar. 2017 (poster).
- 49th Annual Meeting-in-Miniature, Texas Woman's University, Denton, TX, April 2016 (oral).
- 10th Annual Pathways Student Research Symposium, Texas A&M University at Galveston, November 2012 (poster).
- 2012 ACS SouthWest Regional Meeting, Baton Rouge, LA, November 2012 (poster).
- 45th DFW Section Meeting-in-Miniature, University of Dallas, TX, April 2012 (oral).
- Graduate Research Assistant Symposium, Texas A&M University-Commerce, April 2012 (poster).
- Annual Research Symposium, Texas A&M University-Commerce, April 2012 (poster).
- 2011 ACS SouthWest Regional Meeting, Austin, TX, November 2011 (poster).

AWARDS

- NACE North Texas Scholarship, 2017-2018.
- NACE Foundation Travel Assistance, 2017.
- Ed and Julie Hodges Memorial Scholarship, Fall 2016, Spring 2017.
- Texas Public Education Grant (TPEG), Fall 2016, Spring 2017.
- Graduate Assistant Teaching Scholarship, Fall 2014, Spring 2015, Fall 2015, Spring 2016.
- Academic Achievement Scholarship, Fall 2013, Spring 2014, Fall 2014, Spring 2015.
- Graduate Student Travel Grant, Fall 2011, Fall 2012.
- Cash4College STEM Scholarship, Fall 2010, Spring 2011, Fall 2011, Spring 2012.

PROFESSIONAL ACTIVITIES, MEMBER

- National Association of Corrosion Engineers (NACE).
- Graduate Recruitment, University of North Texas, Department of Chemistry, Denton, TX.

PUBLICATIONS

- Teresa D. Golden, Yajuan Shang, Qi Wang and Ting Zhou. Electrochemical synthesis of rare earth ceramic oxide coatings. Chap. 4, *Advanced Ceramic Processing*, Adel Mohamed (ed.), InTech, European Union, **2015**. ISBN 978-953-51-2203-6.
- Heidi A. Conrad, Michael R. McGuire, Ting Zhou, M. Ibrahim Coskun, and Teresa D. Golden. Improved corrosion resistant properties of electrochemically deposited zinc-nickel alloys utilizing a borate electrolytic alkaline solution. *Surf. Coat. Technol.* **2015**, 272, 50-57.
- Ting Zhou, Kristine Jang, and Ben W.-L. Jang. Ionic liquid and plasma effects on SiO₂ supported Pd for selective hydrogenation of acetylene. *Catal. Today.* **2013**, 211, 147-155.