

CURRICULUM VITAE

PEIRAN WEI

June 12th 2015

Business Address:

Case Western Reserve University
Department of Chemistry
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Education

- 8.2014-present *Case Western Reserve University, Cleveland, Ohio*
PhD Student in Chemistry Department GPA: 3.654
Advisor: Dr. Emily Pentzer
- 9.2013-8.2014 *Case Western Reserve University, Cleveland, Ohio*
M.S. Student in Chemistry Department
Advisor: Dr. Emily Pentzer
- 9.2009-6.2013 *Wuhan Institute of Technology, Wuhan, Hubei, China*
B.S. Chemistry GPA: 3.33

Research Experience

- 12.2013-present *Case Western Reserve University, Graduate research*
- Research on organic semiconductor materials, self-assembly polymers, and novel ATRP initiator synthesis.
Advisor: Dr. Emily Pentzer
- 1.2013-6.2013 *Wuhan Institute of Technology, Undergraduate research*
- Research on organic chemistry. Thesis title: *Synthesis of silicotungstic acid anchored in Schiff base manganese complex and the investigation of its esterification catalytic performance*
Advisor: Assistant professors Qingrong Chen
 - Research on organic chemistry. Work focused on metal Schiff base complex synthesis and crystal growth
Advisor: Prof. Hong Zhou
- 10.2011-4.2012 *Wuhan Institute of Technology, Research Assistant*
- Research on *Cu-catalyzed cascade synthesis of 5-amino-[1, 2, 3] triazolo [5, 1-a] isoquinolines*

Advisor: Dr. Yunfeng Chen

- 6.2011-9.2011 *Wuhan Institute of Technology, Undergraduate research*
- Learning basic skills of organic synthesis.
Advisor: Dr. Yunfeng Chen
- 10.2009-12.2009 *Wuhan Institute of Technology, Team Member*
- Trainee in the team for National Chemistry Experiment Skill Contest
Instructor: Prof. Chuanqi Yin, Prof. Hua Yuan, Prof. Qijin Wan,
Lecturer Hanping Zhang

Presentation

Poster presentation

- 6.12.2015 Peiran Wei, Qinmo Luo
Graphene Oxide(GO) Microcapsules (2015 Polymer Initiative of
Northeast Ohio Conference)
- 4.17.2015 Peiran Wei, Qinmo Luo
Graphene Oxide(GO) Microcapsules (2015 Research ShowCASE)

Technical Skills & Certifications

- CEM Discover Version: DSCA02.15 Microwave
- Agilent technologies Cary 640 FTIR
- 400MHz NMR Varian Inova
- 500MHz NMR Bruker
- Agilent technologies Cary fluorescence spectrophotometer
- Agilent technologies Cary UV-Vis-Nir
- GC-MS Thermo Focus/DSQ II
- Tosoh EcoSEC GPC System
- Zeiss Libra 200EF Transmission Electron Microscope
- Nova NanoLab 200 FEG-SEM/FIB
- Certification of Handling and offering for the transport of hazardous materials in accordance with D.O.T. 49 C.F.R. Transportation Regulations and I.A.T.A. Dangerous Goods Regulations

Teaching experience

- 5.2015-present *Case Western Reserve University*
Research Experience for undergraduates (REU) Program mentor
Anna Victoria Davies
- 3.2014-present *Case Western Reserve University*
Lab Mentor
Responsible for guiding students on individual research projects
Qinmo Luo, Bowen Li, Edward Peng, Emily Young, Annie Cipriani

9.2014-present *Case Western Reserve University*
Teaching assistant for Principles of Chemistry I & II, Principles of Chemistry for Engineers, Concepts for a Molecular View of Biology I & II, Introductory Organic Chemistry I & II

Selected Awards & Honors

4.1.2015 3rd Place in Saint-Gobain Student Design Competition (Final)
Project: *Smart Shopping Cart*

2.5.2015 1st Place in Saint-Gobain Student Design Competition (Semi-Final)
Project: *Hands Free Airport Trolley*

2010 Scholarship for Merit Student in Wuhan Institute of Technology

2010 Award for Excellent Performer in The 16th Foreign Language Translation Competition (Interpretation Group) of Hubei Province

2008 Third Prized in China High School Biology Olympiad (Nationwide)

2008 Second Prize in China High School Chemistry Olympiad (Hubei Region)

Mentees

Anna Victoria Davies, 2015 (undergraduate, College of Wooster)
Bowen Li, 2015 (M.S. student, CWRU)
Qinmo Luo, 2014-2015 (M.S. student, CWRU)
Edward Peng, 2014-2015 (undergraduate, CWRU)
Emily Young, 2014-2015 (undergraduate, CWRU)
Annie Cipriani, 2014 (high school student)