



**Wei Li**

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## PERSONAL

Born December 26, 1984 in Jiangxi, China  
Became a U.S. citizen on July 14, 2006

## EDUCATION

2011 Ph.D. in organic Chemistry, University of Michigan, Ann Arbor, MI  
2006 B.S. Chemistry, University of North Carolina, Chapel Hill, NC

## PROFESSIONAL EXPERIENCE

2015-Present Assistant Professor of Chemistry, University of Toledo, Toledo, OH  
2012-2015 Postdoctoral Research with Professor David W. C. MacMillan, Princeton University, Princeton, NJ  
2006-2011 Graduate Research with Professor John Montgomery, University of Michigan, Ann Arbor, MI  
2002-2006 Undergraduate Research with Professor Jeffrey S. Johnson, University of North Carolina, Chapel Hill, NC

## HONORS AND AWARDS

2011 Rackham Dissertation Fellowship  
2011 Murrill Memorial Scholarship  
2010 Vaughan Symposium Travel Award  
2010 DOC Graduate Research Symposium Travel Award  
2004 Dean's list, University of North Carolina at Chapel Hill  
2003 Dean's list, University of North Carolina at Chapel Hill

## PUBLICATIONS

- Zuo, Z.; Cong, H.; Li, W.; Choi, J.; Fu, G.; MacMillan, D. W. C. "Enantioselective Decarboxylative Arylation of  $\alpha$ -Amino Acids via the Merger of Photoredox and Nickel Catalysis" *J. Am. Chem. Soc.* **2016**, *138*, 1832.
- Evans, R. W.; Zbieg, J. R.; Zhu, S.; Li, W.; MacMillan, D. W. C. "A Simple Mechanism for the Direct  $\alpha$ -Amination of Carbonyls via Oxidative Copper Catalysis: A One-Step Synthesis of Plavix" *J. Am. Chem. Soc.* **2013**, *135*, 16074. The most read *J. Am. Chem. Soc.* article in 2013.

- 6) Miller, Z. D.; Li, W.; Belderrain, T. R.; Montgomery, J. "Regioselective Allene Hydrosilylation Catalyzed by NHC Complexes of Nickel and Palladium" *J. Am. Chem. Soc.* **2013**, *135*, 15282.
- 5) Li, W.; Montgomery, J. "Ligand-Guided Pathway in Nickel-Catalyzed Couplings of Enals and Alkynes" *Chem. Comm.* **2012**, *48*, 1114.
- 4) Li, W.; Chen, N.; Montgomery, J. "Regioselective Nickel-Catalyzed Reductive Couplings of Enones and Allenes" *Angew. Chem. Int. Ed.* **2010**, *49*, 8712.
- 3) Li, W.; Herath, A.; Montgomery, J. "Evolution of Efficient Strategies for Enone-Alkyne and Enal-Alkyne Reductive Couplings" *J. Am. Chem. Soc.* **2009**, *131*, 17024.
- 2) Herath, A.; Li, W.; Montgomery, J. "Fully Intermolecular Nickel-Catalyzed Three-Component Couplings via Internal Redox" *J. Am. Chem. Soc.* **2008**, *130*, 469.
- 1) Pohlhaus, P. D.; Sanders, S. D.; Parsons, A. T.; Li, W.; Johnson, J. S. "Scope and Mechanism for Lewis Acid-Catalyzed Cycloadditions of Aldehydes and Donor-Acceptor Cyclopropanes: Evidence for a Stereospecific Intimate Ion Pair Pathway" *J. Am. Chem. Soc.* **2008**, *130*, 8642.

## PRESENTATIONS AND POSTERS

- "A New Light of Photoredox Catalysis" Wei Li; Invited Seminar Presentation, Department of Chemical and Environmental Engineering, University of Toledo, Toledo, OH; November 5, 2015. (oral presentation)
- "Photoredox Catalysis in Green Chemistry" Wei Li; 19<sup>th</sup> Annual Green Chemistry & Engineering Conference, N. Bethesda, MD; July 14-16, 2015. (oral presentation)
- "Advances in Conjugate Addition Reactions via Nickel-Catalyzed Couplings" Wei Li and John Montgomery; 42<sup>nd</sup> National Organic Chemistry Symposium, Princeton University, Princeton, NJ; June 5-9, 2011. (poster presentation)
- "Advances in Conjugate Addition Reactions via Nickel-Catalyzed Couplings" Wei Li and John Montgomery; Vaughan Symposium, University of Michigan, Ann Arbor, MI; August 18, 2010. (poster presentation)
- "Advances in Conjugate Addition Reactions via Nickel-Catalyzed Couplings" Wei Li and John Montgomery; Division of Organic Chemistry Graduate Research Symposium, Boston College, Boston, MA; July 15-18, 2010. (poster presentation)
- "Nickel-Catalyzed Reductive Coupling and Internal Redox Reactions" Wei Li and John Montgomery; Vaughan Symposium, University of Michigan, Ann Arbor, MI; August 7, 2009. (poster presentation)
- "Nickel-Catalyzed Reductive Coupling and Internal Redox Reactions" Wei Li and John Montgomery; Novartis Symposium, University of Michigan, Ann Arbor, MI; June 5, 2009. (oral presentation)
- "Nickel-Catalyzed Reductive Coupling and Internal Redox Reactions" Wei Li and John Montgomery; Bristol-Myers Squibb Symposium, University of Michigan, Ann Arbor, MI; October 20, 2008. (poster presentation)
- "Nickel-Catalyzed Reductive Coupling and Internal Redox Reactions" Wei Li and John Montgomery; Vaughan Symposium, University of Michigan, Ann Arbor, MI; August 1, 2008. (poster presentation)