

刘巍 博士

Associate Professor
Department of Chemistry
University of Cincinnati, USA
E-mail: liu2w2@uc.edu
主页网址: <https://weiliulab.org>

教育及工作经历

- 2004 – 2008, Peking University, B.S.
- 2008 – 2014, Princeton University, USA, Ph.D., with J. T. Groves
- 2014 – 2017, University of California, Berkeley, Postdoc, with C. J. Chang
- 2017 – 2020, Miami University, USA, Assistant Professor
- 2020 – present, University of Cincinnati, USA, Assistant Professor and Associate Professor

研究兴趣

High-Valent Metal Catalysis

代表性论文

1. “Csp³–Csp³ Bond-Forming Reductive Elimination from Well-Defined Copper(III) Complexes” *J. Am. Chem. Soc.* **2019**, *141*, 3153–3159
2. “Copper–Carbon Homolysis Competes with Reductive Elimination in Well-Defined Copper(III) Complexes” *J. Am. Chem. Soc.* **2023**, *145*, 26152–26159
3. “Catalytically Relevant Organocopper(III) Complexes Formed through Aryl-Radical-Enabled Oxidative Addition” *J. Am. Chem. Soc.* **2024**, *146*, 15176–15185.
4. “Overcoming Copper Reduction Limitation in Asymmetric Substitution: Aryl-Radical-Enabled Enantioconvergent Cyanation of Alkyl Iodides” *J. Am. Chem. Soc.* **2024**, *146*, 29297–29304.
5. “Enantioconvergent copper-catalysed difluoromethylation of alkyl halides” *Nat. Cat.* **2024**, *7*, 1372–1381

荣誉及奖励

- National Science Foundation CAREER Award
- National Institute of Health MIRA Award
- Thieme Chemistry Journals Award
- ACS Herman Frasch Grant Award