

Nicholas Hadler

Curriculum Vitae

Education

- 2021–Present **Doctor of Philosophy, Chemistry**, *University of California, Berkeley*, California.
2017–2021 **Bachelor of Science, Chemistry**, *University of South Florida*, Florida.

Research Experience

- 2019–2021 **Undergraduate Research Assistant**, *University of South Florida, Department of Chemistry*, Tampa, FL.
Advisor: Dr. Xiaodong Shi
Developed and executed research into novel ligand systems for homogeneous gold catalysis. This involved developing synthetic pathways, mechanistic studies, and using a variety of wet skills such as air free synthesis.

Publications

- 2021 Yuan, T., Tang, Q., Shan, C., Ye, X., Wang, J., Zhao, P., Wojtas, L., **Hadler, N.**, Chen, H. & Shi, X. Alkyne Trifunctionalization via Divergent Gold Catalysis: Combining π -Acid Activation, Vinyl–Gold Addition, and Redox Catalysis. *J. Am. Chem. Soc.*

Awards

- 2020–2021 ACS Scholar, American Chemical Society
2017–2018 Dean's List, University of South Florida

Applicable Skills

- Wet: Proficient in NMR, chromatography, GC and LC MS, and x-ray crystallography. Preparing and running reactions and subsequent purifications and air free synthesis via Schlenk lines and glove boxes.
- Technical: Use of research databases: Sci-Finder, Google Scholar, Web of Science. Strong knowledge of using Linux systems, bash and scripting. Familiar with Python, R, Wolfram Mathematica, IQmol, and Q-Chem. LaTeX; Microsoft Word, Excel, and Powerpoint; Adobe Illustrator, Premiere.
- Language: Fluent in English, Spanish