

KEVIN L. JANTZI

Assistant Professor of Chemistry



Contact Information:

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Education:

- B.A. Chemistry, 1998, Goshen College
- Ph.D. Organic Chemistry, 2004, University of Wisconsin-Madison

Professional Societies:

- American Chemical Society
- Council of Undergraduate Research

Teaching specialty:

Organic chemistry

Research interests:

Use of Palladium catalysts to generate small, highly functionalized rings. Making molecules using readily available carbohydrates instead of using the nearly depleted petroleum reserves.

Selected Publications:

K. L. Jantzi, I. A. Guzei, H. J. Reich, "Solution and Solid-State Structures of Lithiated Phenyloxazolines," *Organometallics* 2006, 25, 75390-5395.

K. L. Jantzi, C. L. Puckett, I. A. Guzei, H. J. Reich, "Solution Structure and Chelation Properties of 2-Thienyllithium Reagents," *Journal of Organic Chemistry* 2005, 70, 7520-7529.

H. J. Reich, W. S. Goldenberg, A. W. Sanders, K. L. Jantzi, C. C. Tzschucke, "Amine- and Ether-Chelated Aryllithium Reagents - Structure and Dynamics," *Journal of the American Chemical Society* 2003, 125, 3509-3521.

C. R. Cornman, K. L. Jantzi, J. I. Wirgau, T. C. Stauffer, J. W. Kampf, P. D. Boyle, "Coordination Chemistry of a Tripodal S2ON Ligand: Syntheses, Structures, and Reactivity of the Molybdenum(VI) and Nickel(II) Complexes of Bis-(2-mercaptoethyl)-2-amino-4-methylphenol (H3btap) and Comparison to VVO(btap)," *Inorganic Chemistry* 1998, 37, 5851-5855.

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