

# Stanford

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## William Keown

Ph.D. Student in Chemistry, admitted Summer 2014

### Bio

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#### STANFORD ADVISORS

- Daniel Stack, Doctoral Dissertation Advisor (AC)

### Publications

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#### PUBLICATIONS

- **Selective oxidation of exogenous substrates by a bis-Cu(III) bis-oxide complex: Mechanism and scope** *INORGANICA CHIMICA ACTA*  
Large, T. G., Mahadevan, V., Keown, W., Stack, T. P.  
2019; 486: 782–92
- **Metal ligand design: Diverging approaches**  
Keown, W., Chiang, L., Gary, J., Wasinger, E., Stack, T.  
AMER CHEMICAL SOC.2018
- **Cu(III) with imidazole ligation: Biologic relevance?**  
Stack, T., Keown, W., Chiang, L., Gary, J., Wasinger, E.  
AMER CHEMICAL SOC.2017
- **High-valent copper in biomimetic and biological oxidations** *JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY*  
Keown, W., Gary, J. B., Stack, T. D.  
2017; 22 (2-3): 289-305
- **High-valent copper in biomimetic and biological oxidations.** *Journal of biological inorganic chemistry*  
Keown, W., Gary, J. B., Stack, T. D.  
2016: -?
- **Simplest Monodentate Imidazole Stabilization of the oxy-Tyrosinase Cu<sub>2</sub>O<sub>2</sub> Core: Phenolate Hydroxylation through a Cu(III) Intermediate.** *Angewandte Chemie (International ed. in English)*  
Chiang, L., Keown, W., Citek, C., Wasinger, E. C., Stack, T. D.  
2016; 55 (35): 10453-10457