

Stanford

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Ph.D. Student in Chemistry, admitted Autumn 2015

Publications

PUBLICATIONS

- **Mechanism of selective benzene hydroxylation catalyzed by iron-containing zeolites.** *Proceedings of the National Academy of Sciences of the United States of America*
Snyder, B. E., Bols, M. L., Rhoda, H. M., Vanelderen, P., Bottger, L. H., Braun, A., Yan, J. J., Hadt, R. G., Babicz, J. T., Hu, M. Y., Zhao, J., Alp, E. E., Hedman, et al
2018
- **Spectroscopic and Electronic Structure Study of ETHE1: Elucidating the Factors Influencing Sulfur Oxidation and Oxygenation in Mononuclear Nonheme Iron Enzymes.** *Journal of the American Chemical Society*
Goudarzi, S., Babicz, J. T., Kabil, O., Banerjee, R., Solomon, E. I.
2018
- **Kinetic and spectroscopic investigation of oxygen activation at a single iron center via Gibbs free energy coupling: Generation of an active alkane oxidation catalyst**
Cunningham, L., Babicz, J., Tucker, W., McCracken, J., Rybak-Akimova, E., Solomon, E., Caradonna, J.
AMER CHEMICAL SOC.2018
- **Correlating the structures and activities of the resting oxidized and native intermediate states of a small laccase by paramagnetic NMR** *JOURNAL OF INORGANIC BIOCHEMISTRY*
Machczynski, M. C., Babicz, J. T.
2016; 159: 62-69