



## Hannah Rhoda

Ph.D. Student in Chemistry, admitted Autumn 2016

### Publications

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#### PUBLICATIONS

- **Advances in the synthesis, characterisation, and mechanistic understanding of active sites in Fezeolites for redox catalysts** *DALTON TRANSACTIONS*  
Bols, M. L., Rhoda, H. M., Snyder, B. R., Solomon, E., Pierloot, K., Schoonheydt, R. A., Sels, B. F.  
2020; 49 (42): 14749–57
- **Oxygen intermediates in Cu and Fe zeolites: Correlations to metalloenzymes**  
Solomon, E., Snyder, B., Rhoda, H.  
AMER CHEMICAL SOC.2019
- **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 Identification of the alpha-Fe/alpha-O Active Site in Fe-CHA Zeolite for the Low-Temperature Activation of the Methane C-H Bond** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
Bols, M. L., Hallaert, S. D., Snyder, B. R., Devos, J., Plessers, D., Rhoda, H. M., Dusselier, M., Schoonheydt, R. A., Pierloot, K., Solomon, E., Sels, B. F.  
2018; 140 (38): 12021–32
- **Structural characterization of a non-heme iron active site in zeolites that hydroxylates methane** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Snyder, B. R., Bottger, L. H., Bols, M. L., Yan, J. J., Rhoda, H. M., Jacobs, A. B., Hu, M. Y., Zhao, J., Alp, E., Hedman, B., Hodgson, K. O., Schoonheydt, R. A., Sels, et al  
2018; 115 (18): 4565–70