

## John Breen

Ph.D. Student in Chemistry, admitted Autumn 2016

### Publications

---

#### PUBLICATIONS

- **Structural Dynamics in Ionic Liquid Thin Films: The Effect of Cation Chain Length** *JOURNAL OF PHYSICAL CHEMISTRY C*  
Wu, B., Breen, J. P., Fayer, M. D.  
2020; 124 (7): 4179–89
- **Controlling the Dynamics of Ionic Liquid Thin Films via Multilayer Surface Functionalization.** *Journal of the American Chemical Society*  
Wu, B., Breen, J. P., Xing, X., Fayer, M. D.  
2020
- **Extraordinary Slowing of Structural Dynamics in Thin Films of a Room Temperature Ionic Liquid.** *ACS central science*  
Nishida, J., Breen, J. P., Wu, B., Fayer, M. D.  
2018; 4 (8): 1065–73
- **Dynamically Disordered Lattice in a Layered Pb-I-SCN Perovskite Thin Film Probed by Two-Dimensional Infrared Spectroscopy.** *Journal of the American Chemical Society*  
Nishida, J., Breen, J. P., Lindquist, K. P., Umeyama, D., Karunadasa, H. I., Fayer, M. D.  
2018
- **Ultrafast to Ultraslow Dynamics of a Langmuir Monolayer at the Air/Water Interface Observed with Reflection Enhanced 2D IR Spectroscopy** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
Yan, C., Thomaz, J. E., Wang, Y., Nishida, J., Yuan, R., Breen, J. P., Fayer, M. D.  
2017; 139 (46): 16518–27