



Max Moncada Cohen

Ph.D. Student in Chemistry, admitted Autumn 2022

Bio

HONORS AND AWARDS

- Weldon G. Brown Fellowship, Brown Science Foundation
- EDGE Fellowship, Stanford VPGE

EDUCATION AND CERTIFICATIONS

- B.S., University of Chicago , Chemistry, Biological Chemistry (2022)

Research & Scholarship

LAB AFFILIATIONS

- Michael Fayer, Fayer Group (4/20/2023)

Publications

PUBLICATIONS

- **Mechanisms of the viscosity decrease and increase of aqueous CsCl.** *Proceedings of the National Academy of Sciences of the United States of America*
Cohen, M. M., Kacenauskaite, L., Heck, T. R., Pan, J., Fayer, M. D.
2026; 123 (2): e2531278123
- **From Molecular Dynamics to the Conductivity of Sulfuric Acid: Ultrafast Optical Kerr Effect Experiments and Ab Initio Molecular Dynamics Simulations.** *Journal of the American Chemical Society*
Kacenauskaite, L., Chen, S., Cohen, M. M., Voth, G. A., Fayer, M. D.
2025; 147 (31): 27720-27730
- **Fast Structural Dynamics in Concentrated HCl Solutions: From Proton Hopping to the Bulk Viscosity.** *Journal of the American Chemical Society*
Kacenauskaite, L., Moncada Cohen, M., Van Wyck, S. J., Fayer, M. D.
2024
- **Water-in-Salt: Fast Dynamics, Structure, Thermodynamics, and Bulk Properties.** *The journal of physical chemistry. B*
Kacenauskaite, L., Van Wyck, S. J., Moncada Cohen, M., Fayer, M. D.
2023
- **Infrared compatible rapid mixer to probe millisecond chemical kinetics** *REVIEW OF SCIENTIFIC INSTRUMENTS*
Itani, R. C., Cohen, M., Tokmakoff, A.
2023; 94 (3)