

Stanford

Stephanie Lau

Postdoctoral Scholar, Civil and Environmental Engineering

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Johns Hopkins University (2017)

Publications

PUBLICATIONS

- **Disinfection Byproduct Recovery during Extraction and Concentration in Preparation for Chemical Analyses or Toxicity Assays.** *Environmental science & technology*
Lau, S. S., Forster, A. L., Richardson, S. D., Mitch, W. A.
2021
- **Exotic Electrophiles in Chlorinated and Chloraminated Water: When Conventional Kinetic Models and Reaction Pathways Fall Short** *ENVIRONMENTAL SCIENCE & TECHNOLOGY LETTERS*
Rose, M. R., Lau, S. S., Prasse, C., Sivey, J. D.
2020; 7 (6): 360–70
- **Assessing Additivity of Cytotoxicity Associated with Disinfection Byproducts in Potable Reuse and Conventional Drinking Waters.** *Environmental science & technology*
Lau, S. S., Wei, X. n., Bokenkamp, K. n., Wagner, E. D., Plewa, M. J., Mitch, W. A.
2020
- **Aqueous Chlorination Kinetics of Cyclic Alkenes-Is HOCl the Only Chlorinating Agent that Matters?** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Lau, S. S., Reber, K. P., Roberts, A.
2019; 53 (19): 11133–41
- **1,3,5-Trimethoxybenzene (TMB) as a new quencher for preserving redox-labile disinfection byproducts and for quantifying free chlorine and free bromine** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Lau, S. S., Dias, R. P., Martin-Culet, K. R., Race, N. A., Schammel, M. H., Reber, K. P., Roberts, A., Sivey, J. D.
2018; 4 (7): 926–41
- **Chlorination Revisited: Does Cl⁻ Serve as a Catalyst in the Chlorination of Phenols?** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Lau, S. S., Abraham, S. M., Roberts, A.
2016; 50 (24): 13291–98