

Journal Articles

- Silberstein J., Sasse R., Harjamaki M., Rhodes M., Cooper J., Downey R., Ritsch M., Hannigan M., and Argrow B. (2025) Deployment of a fixed-wing small uncrewed aircraft system for urban traffic-related air pollution assessment. *Journal of Atmospheric and Oceanic Technology*, 42(4), 353-367, April. Available at <https://journals.ametsoc.org/view/journals/atot/42/4/JTECH-D-24-0042.1.xml>.
- Schwink S.K., Mael L.E., Dunnington T.H., Schmid M.J., Silberstein J.M., Heck A., Gotlib N., Hannigan M.P., and Vance M.E. (2025) Impacts of aging and relative humidity on properties of biomass burning smoke particles. *ACS ES&T Air*, 2(1), 109-118, January 10. Available at <https://doi.org/10.1021/acsestair.4c00224>.
- Dresser W.D., Silberstein J.M., Reid C.E., Vance M.E., Wiedinmyer C., Hannigan M.P., and de Gouw J.A. (2025) Volatile organic compounds inside homes impacted by smoke from the Marshall Fire. *ACS ES&T Air*, 2(1), 4-12, January 10. Available at <https://doi.org/10.1021/acsestair.4c00259>.
- Frischmon C., Silberstein J., Guth A., Mattson E., Porter J., and Hannigan M. (2025) Improving the quantification of peak concentrations for air quality sensors via data weighting. *EGUsphere*, 2025, 1-19. Available at <https://egusphere.copernicus.org/preprints/2025/egusphere-2024-4080/>.
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- Silberstein J., Mendoza D., Rieves E., Reid C.E., and Hannigan M. (2024) Investigating the spatiotemporal distribution of fine particulate matter sources during persistent cold air pools in Salt Lake County. *Atmospheric Environment: X*, 24, 100305, December. Available at <https://www.sciencedirect.com/science/article/pii/S2590162124000728>.
- Silberstein J.M., Mael L.E., Frischmon C.R., Rieves E.S., Coffey E.R., Das T., and others (2023) Residual impacts of a wildland urban interface fire on urban particulate matter and dust: a study from the Marshall Fire. *Air Qual Atmos Health*, 16(9), 1839-1850, 2023/09/01. Available at <https://doi.org/10.1007/s11869-023-01376-3>.

Formal Reports

- Pavlovic N., Ryder O., Brown-Steiner B., Silberstein J., and Lurmann F. (2025) Variations in wildfire smoke composition by fuel characteristics and resulting health implications for outdoor workers. Final report prepared for EPRI, Palo Alto, CA, by Sonoma Technology, Petaluma, CA, STI-8413, June.