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Ph.D. Student in Civil and Environmental Engineering, admitted Winter 2022

Publications

PUBLICATIONS

- **Settling of actively buoyant particles** *JOURNAL OF FLUID MECHANICS*
Macdonald, E. S., Ouellette, N. T.
2025; 1024
- **Transport of rod-shaped particles in a canopy flow with a buoyant plume** *INTERNATIONAL JOURNAL OF MULTIPHASE FLOW*
Sunberg, L. K. C., Chung, H., MacDonald, E. S., Ouellette, N. T., Koseff, J. R.
2025; 191
- **Nonballistic transport of particles in a canopy-plume system** *Physical Review Fluids*
MacDonald, E. S., Chung, H., Sunberg, L. K., Ouellette, N. T., Koseff, J. R.
2025; 10
- **Dispersion of inertial particles in turbulent canopy flows with buoyant and nonbuoyant plumes** *PHYSICAL REVIEW FLUIDS*
Chung, H., Sunberg, L. K. C., MacDonald, E., Ouellette, N. T., Koseff, J. R.
2024; 9 (9)
- **Tethered electrolyte active-layer membranes** *JOURNAL OF MEMBRANE SCIENCE*
Porter, C. J., DuChanois, R. M., MacDonald, E., Kilpatrick, S., Zhong, M., Elimelech, M.
2022; 642