Livia Freire

List of Publications by Year
in descending order

21 papers	**340** citations	933447 **10** h-index	839539 **18** g-index
24 all docs	**24** docs citations	**24** times ranked	**661** citing authors

#	ARTICLE	IF	CITATIONS
1	A sub-grid scale cavitation inception model. Physics of Fluids, 2022, 34, .	4.0	10
2	Large-Eddy Simulation of the Atmospheric Boundary Layer with Near-Wall Resolved Turbulence. Boundary-Layer Meteorology, 2022, 184, 25-43.	2.3	4
3	Turbulent transport and reactions of plant-emitted hydrocarbons in an Amazonian rain forest. Atmospheric Environment, 2022, 279, 119094.	4.1	2
4	Vapor pressure deficit helps explain biogenic volatile organic compound fluxes from the forest floor and canopy of a temperate deciduous forest. Oecologia, 2021, 197, 971-988.	2.0	4
5	Large-Eddy Simulation of smooth and rough channel flows using a one-dimensional stochastic wall model. Computers and Fluids, 2021, 230, 105135.	2.5	9
6	Predicting Vertical Concentration Profiles in the Marine Atmospheric Boundary Layer With a Markov Chain Random Walk Model. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032731.	3.3	1
7	Pressure statistics of gas nuclei in homogeneous isotropic turbulence with an application to cavitation inception. Physics of Fluids, 2020, 32, .	4.0	8
8	Effect of bubble size on Lagrangian pressure statistics in homogeneous isotropic turbulence. Journal of Physics: Conference Series, 2020, 1522, 012002.	0.4	3
9	Effects of Vegetation and Topography on the Boundary Layer Structure above the Amazon Forest. Journals of the Atmospheric Sciences, 2020, 77, 2941-2957.	1.7	21
10	Fine dust emissions from active sands at coastal Oceano Dunes, California. Atmospheric Chemistry and Physics, 2019, 19, 2947-2964.	4.9	28
11	Effects of Path Averaging in a Sonic Anemometer on the Estimation of Turbulence-Kinetic-Energy Dissipation Rates. Boundary-Layer Meteorology, 2019, 173, 99-113.	2.3	3
12	Critical flux Richardson number for Kolmogorov turbulence enabled by TKE transport. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 1551-1558.	2.7	21
13	A one-dimensional stochastic model of turbulence within and above plant canopies. Agricultural and Forest Meteorology, 2018, 250-251, 9-23.	4.8	7
14	Parameterized Vertical Concentration Profiles for Aerosols in the Marine Atmospheric Boundary Layer. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9688-9702.	3.3	7
15	A TKE‐Based Framework for Studying Disturbed Atmospheric Surface Layer Flows and Application to Vertical Velocity Variance Over Canopies. Geophysical Research Letters, 2018, 45, 6734-6740.	4.0	13
16	Turbulent mixing and removal of ozone within an Amazon rainforest canopy. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2791-2811.	3.3	36
17	Linking Meteorology, Turbulence, and Air Chemistry in the Amazon Rain Forest. Bulletin of the American Meteorological Society, 2016, 97, 2329-2342.	3.3	59
18	Flux-Profile Relationship for Dust Concentration in the Stratified Atmospheric Surface Layer. Boundary-Layer Meteorology, 2016, 160, 249-267.	2.3	21

#	Article	IF	Citations
19	Downward transport of ozone rich air and implications for atmospheric chemistry in the Amazon rainforest. Atmospheric Environment, 2016, 124, 64-76.	4.1	48
20	Residual layer effects on the modeling of convective boundary layer growth rates with a slab model using FIFE data. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,869.	3.3	6
21	Obtaining Potential Virtual Temperature Profiles, Entrainment Fluxes, and Spectra from Mini Unmanned Aerial Vehicle Data. Boundary-Layer Meteorology, 2012, 145, 93-111.	2.3	25