

Livia Freire

List of Publications by Year in descending order

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Version: 2024-02-01

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	Linking Meteorology, Turbulence, and Air Chemistry in the Amazon Rain Forest. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 2329-2342.	3.3	59
2	Downward transport of ozone rich air and implications for atmospheric chemistry in the Amazon rainforest. <i>Atmospheric Environment</i> , 2016, 124, 64-76.	4.1	48
3	Turbulent mixing and removal of ozone within an Amazon rainforest canopy. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2791-2811.	3.3	36
4	Fine dust emissions from active sands at coastal Oceano Dunes, California. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2947-2964.	4.9	28
5	Obtaining Potential Virtual Temperature Profiles, Entrainment Fluxes, and Spectra from Mini Unmanned Aerial Vehicle Data. <i>Boundary-Layer Meteorology</i> , 2012, 145, 93-111.	2.3	25
6	Flux-Profile Relationship for Dust Concentration in the Stratified Atmospheric Surface Layer. <i>Boundary-Layer Meteorology</i> , 2016, 160, 249-267.	2.3	21
7	Critical flux Richardson number for Kolmogorov turbulence enabled by TKE transport. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 1551-1558.	2.7	21
8	Effects of Vegetation and Topography on the Boundary Layer Structure above the Amazon Forest. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 2941-2957.	1.7	21
9	A TKE-Based Framework for Studying Disturbed Atmospheric Surface Layer Flows and Application to Vertical Velocity Variance Over Canopies. <i>Geophysical Research Letters</i> , 2018, 45, 6734-6740.	4.0	13
10	A sub-grid scale cavitation inception model. <i>Physics of Fluids</i> , 2022, 34, .	4.0	10
11	Large-Eddy Simulation of smooth and rough channel flows using a one-dimensional stochastic wall model. <i>Computers and Fluids</i> , 2021, 230, 105135.	2.5	9
12	Pressure statistics of gas nuclei in homogeneous isotropic turbulence with an application to cavitation inception. <i>Physics of Fluids</i> , 2020, 32, .	4.0	8
13	A one-dimensional stochastic model of turbulence within and above plant canopies. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 9-23.	4.8	7
14	Parameterized Vertical Concentration Profiles for Aerosols in the Marine Atmospheric Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9688-9702.	3.3	7
15	Residual layer effects on the modeling of convective boundary layer growth rates with a slab model using FIFE data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,869.	3.3	6
16	Vapor pressure deficit helps explain biogenic volatile organic compound fluxes from the forest floor and canopy of a temperate deciduous forest. <i>Oecologia</i> , 2021, 197, 971-988.	2.0	4
17	Large-Eddy Simulation of the Atmospheric Boundary Layer with Near-Wall Resolved Turbulence. <i>Boundary-Layer Meteorology</i> , 2022, 184, 25-43.	2.3	4
18	Effects of Path Averaging in a Sonic Anemometer on the Estimation of Turbulence-Kinetic-Energy Dissipation Rates. <i>Boundary-Layer Meteorology</i> , 2019, 173, 99-113.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Effect of bubble size on Lagrangian pressure statistics in homogeneous isotropic turbulence. Journal of Physics: Conference Series, 2020, 1522, 012002.	0.4	3
20	Turbulent transport and reactions of plant-emitted hydrocarbons in an Amazonian rain forest. Atmospheric Environment, 2022, 279, 119094.	4.1	2
21	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