Harindra Fernando

List of Publications by Year in descending order

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204	6,578	57719	88593
papers	citations	44 h-index	70 g-index

207	207	207	4633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Turbulent Mixing in Stratified Fluids. Annual Review of Fluid Mechanics, 1991, 23, 455-493.	10.8	402
2	Entrainment and mixing in stratified shear flows. Journal of Fluid Mechanics, 2001, 428, 349-386.	1.4	237
3	Observations of Flow and Turbulence in the Nocturnal Boundary Layer over a Slope. Journals of the Atmospheric Sciences, 2002, 59, 2513-2534.	0.6	190
4	Green and cool roofs to mitigate urban heat island effects in the Chicago metropolitan area: evaluation with a regional climate model. Environmental Research Letters, 2016, 11, 064004.	2.2	180
5	Fluid Dynamics of Urban Atmospheres in Complex Terrain. Annual Review of Fluid Mechanics, 2010, 42, 365-389.	10.8	178
6	Oscillating grids as a source of nearly isotropic turbulence. Physics of Fluids, 1994, 6, 2455-2464.	1.6	162
7	The MATERHORN: Unraveling the Intricacies of Mountain Weather. Bulletin of the American Meteorological Society, 2015, 96, 1945-1967.	1.7	145
8	Flow, turbulence, and pollutant dispersion in urban atmospheres. Physics of Fluids, 2010, 22, .	1.6	133
9	Turbulence structure near a sharp density interface. Journal of Fluid Mechanics, 1988, 189, 189-209.	1.4	128
10	Forecasting PM10 in metropolitan areas: Efficacy of neural networks. Environmental Pollution, 2012, 163, 62-67.	3.7	115
11	Stratified flow past a sphere. Journal of Fluid Mechanics, 1992, 240, 315.	1.4	107
12	Whither the Stable Boundary Layer?. Bulletin of the American Meteorological Society, 2010, 91, 1475-1484.	1.7	106
13	Vertical Mixing and Transports through a Stratified Shear Layer. Journal of Physical Oceanography, 2001, 31, 2026-2048.	0.7	98
14	Urban meteorological modeling using <scp>WRF</scp>: a sensitivity study. International Journal of Climatology, 2017, 37, 1885-1900.	1.5	97
15	A CFD Model for Simulating Urban Flow and Dispersion. Journal of Applied Meteorology and Climatology, 2003, 42, 1636-1648.	1.7	81
16	Some aspects of mixing in a stratified turbulent patch. Journal of Fluid Mechanics, 1992, 240, 601.	1.4	80
17	Gravitational settling of particles through density interfaces. Journal of Fluid Mechanics, 1999, 381, 175-198.	1.4	79
18	Flux Richardson number measurements in stable atmospheric shear flows. Journal of Fluid Mechanics, 2002, 459, 307-316.	1.4	75

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19	Coral poaching worsens tsunami destruction in Sri Lanka. Eos, 2005, 86, 301.	0.1	75
20	The formation of a layered structure when a stable salinity gradient is heated from below. Journal of Fluid Mechanics, 1987, 182, 525.	1.4	71
21	Sri Lanka Field Survey after the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 155-172.	1.6	71
22	The influence of large convective eddies on the surface-layer turbulence. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 1423-1456.	1.0	70
23	ASIRI: An Oceanâ€“Atmosphere Initiative for Bay of Bengal. Bulletin of the American Meteorological Society, 2016, 97, 1859-1884.	1.7	69
24	Flow and Turbulence in an Urban Canyon. Journal of Applied Meteorology and Climatology, 2011, 50, 203-223.	0.6	66
25	Chicagoâ€™s Heat Island and Climate Change: Bridging the Scales via Dynamical Downscaling. Journal of Applied Meteorology and Climatology, 2015, 54, 1430-1448.	0.6	66
26	Unsteady Thermally Driven Flows on Gentle Slopes. Journals of the Atmospheric Sciences, 2003, 60, 2169-2182.	0.6	63
27	Evening Transition Observations in Phoenix, Arizona. Journal of Applied Meteorology and Climatology, 2005, 44, 99-112.	1.7	61
28	Numerical simulation of scour around pipelines using an Eulerâ€“Euler coupled two-phase model. Environmental Fluid Mechanics, 2007, 7, 121-142.	0.7	61
29	Determination Of The Surface Drag Coefficient. Boundary-Layer Meteorology, 2001, 99, 249-276.	1.2	60
30	Turbulent entrainment into natural gravity-driven flows. Journal of Fluid Mechanics, 2005, 533, .	1.4	58
31	Structure of Turbulence in Katabatic Flows Below and Above the Wind-Speed Maximum. Boundary-Layer Meteorology, 2016, 159, 469-494.	1.2	58
32	Effects of rotation on convective turbulence. Journal of Fluid Mechanics Digital Archive, 1991, 228, 513.	0.6	55
33	Title is missing!. Environmental Fluid Mechanics, 2003, 3, 331-362.	0.7	55
34	The Second Wind Forecast Improvement Project (WFIP2): Observational Field Campaign. Bulletin of the American Meteorological Society, 2019, 100, 1701-1723.	1.7	55
35	Note on secondary flows in oscillatingâ€grid, mixingâ€box experiments. Physics of Fluids A, Fluid Dynamics, 1993, 5, 1849-1851.	1.6	53
36	Spatial decay of energy density of tidal internal waves. Journal of Geophysical Research, 2003, 108, .	3.3	52

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37	Green roofs and green walls layouts for improved urban air quality by mitigating particulate matter. Building and Environment, 2021, 204, 108120.	3.0	52
38	Buoyancy transfer across a diffusive interface. Journal of Fluid Mechanics, 1989, 209, 1-34.	1.4	51
39	Quasi-Steady Katabatic Winds on Slopes in Wide Valleys: Hydraulic Theory and Observations. Journals of the Atmospheric Sciences, 2008, 65, 627-643.	0.6	50
40	An Overview of the MATERHORN Fog Project: Observations and Predictability. Pure and Applied Geophysics, 2016, 173, 2983-3010.	0.8	50
41	Measurement of turbulence near shear-free density interfaces. Journal of Fluid Mechanics, 1997, 334, 293-314.	1.4	49
42	Experimental study of indoor and outdoor airborne bacterial concentrations in Tempe, Arizona, USA. Aerobiologia, 2003, 19, 201-211.	0.7	49
43	Airâ€“Sea/Land Interaction in the Coastal Zone. Boundary-Layer Meteorology, 2018, 167, 181-210.	1.2	49
44	Coplanar Doppler Lidar Retrieval of Rotors from T-REX. Journals of the Atmospheric Sciences, 2010, 67, 713-729.	0.6	48
45	The transition in the sedimentation pattern of a particle cloud. Physics of Fluids A, Fluid Dynamics, 1993, 5, 3049-3055.	1.6	47
46	Turbulence, waves and mixing at shear-free density interfaces. Part 1. A theoretical model. Journal of Fluid Mechanics, 1997, 347, 197-234.	1.4	44
47	Observations and scaling of the upper mixed layer in the North Atlantic. Journal of Geophysical Research, 2005, 110, .	3.3	44
48	A case study of the development of nocturnal slope flows in a wide open valley and associated air quality implications. Meteorologische Zeitschrift, 2009, 18, 85-100.	0.5	42
49	On the sheared density interface of an entraining stratified fluid. Journal of Fluid Mechanics, 1987, 174, 1-22.	1.4	41
50	Experiments on collapsing turbulent regions in stratified fluids. Journal of Fluid Mechanics, 1998, 358, 29-60.	1.4	41
51	The growth of a turbulent patch in a stratified fluid. Journal of Fluid Mechanics, 1988, 190, 55-70.	1.4	40
52	Episodes of nonlinear internal waves in the northern East China Sea. Geophysical Research Letters, 2006, 33, n/a-n/a.	1.5	40
53	Generation of nearly isotropic turbulence using two oscillating grids. Experiments in Fluids, 1996, 20, 395-397.	1.1	39
54	Simulating the thermal behavior in Lake Ontario using EFDC. Journal of Great Lakes Research, 2016, 42, 511-523.	0.8	39

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55	Role of green roofs in reducing heat stress in vulnerable urban communitiesâ€"a multidisciplinary approach. Environmental Research Letters, 2018, 13, 094011.	2.2	39
56	Turbulence, waves and mixing at shear-free density interfaces. Part 2. Laboratory experiments. Journal of Fluid Mechanics, 1997, 347, 235-261.	1.4	38
57	The influence of the thermal diffusivity of the lower boundary on eddy motion in convection. Journal of Fluid Mechanics, 2003, 491, 183-205.	1.4	38
58	Southern B ay of B engal currents and salinity intrusions during the northeast monsoon. Journal of Geophysical Research: Oceans, 2015, 120, 6897-6913.	1.0	37
59	C-FOG: Life of Coastal Fog. Bulletin of the American Meteorological Society, 2021, 102, E244-E272.	1.7	37
60	Turbulent wakes of linearly stratified flow past a sphere. Physics of Fluids A, Fluid Dynamics, 1992, 4, 1687-1696.	1.6	36
61	Flow around a short horizontal bottom cylinder under steady and oscillatory flows. Physics of Fluids, 2005, 17, 047103.	1.6	36
62	Implementation of a Stable PBL Turbulence Parameterization for the Mesoscale Model MM5: Nocturnal Flow in Complex Terrain. Boundary-Layer Meteorology, 2006, 119, 109-134.	1.2	35
63	A Case Study of the Nocturnal Boundary Layer Evolution on a Slope at the Foot of a Desert Mountain. Journal of Applied Meteorology and Climatology, 2015, 54, 732-751.	0.6	34
64	The Need for an Integrated Landâ€Lakeâ€Atmosphere Modeling System, Exemplified by North America's Great Lakes Region. Earth's Future, 2018, 6, 1366-1379.	2.4	34
65	Quasi-equilibrium dynamics of shear-stratified turbulence in a model tropospheric jet. Journal of Fluid Mechanics, 2003, 496, 73-103.	1.4	33
66	Development of a point plume in the presence of background rotation. Physics of Fluids, 1998, 10, 2369-2383.	1.6	32
67	Adjustment of sand ripples under changing water waves. Physics of Fluids, 2005, 17, 072104.	1.6	32
68	The Phoenix Evening Transition Flow Experiment (TRANSFLEX). Boundary-Layer Meteorology, 2013, 147, 443-468.	1.2	32
69	Morning breakup of cold pools in complex terrain. Journal of Fluid Mechanics, 2008, 616, 99-109.	1.4	31
70	MM5-SMOKE-CMAQ as a modeling tool for 8-h ozone regulatory enforcement: application to the state of Arizona. Environmental Modeling and Assessment, 2007, 12, 63-74.	1.2	30
71	Large vortex structures behind a maneuvering body in stratified fluids. Physics of Fluids, 1999, 11, 1682-1684.	1.6	29
72	On surface signatures generated by submerged momentum sources. Physics of Fluids, 2007, 19, .	1.6	29

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73	Shallow water tidal currents in close proximity to the seafloor and boundary-induced turbulence. Ocean Dynamics, 2012, 62, 177-191.	0.9	29
74	Analysis of Random Forest Modeling Strategies for Multi-Step Wind Speed Forecasting. Energies, 2020, 13, 5488.	1.6	29
75	Turbulent patches in a stratified shear flow. Physics of Fluids, 2003, 15, 3164.	1.6	28
76	Development of a Framework for Quantifying the Environmental Impacts of Urban Development and Construction Practices. Environmental Science & Technology, 2007, 41, 5130-5136.	4.6	28
77	On thermally forced flows in urban street canyons. Environmental Fluid Mechanics, 2014, 14, 1427-1441.	0.7	28
78	Flows Induced by the Impingement of a Two-Dimensional Thermal on a Density Interface. Journal of Physical Oceanography, 1992, 22, 1207-1220.	0.7	26
79	Synoptic Classification and Physical Model Experiments to Guide Field Studies in Complex Terrain. Journal of Applied Meteorology and Climatology, 1995, 34, 719-730.	1.7	26
80	EVIDENCE OF LOWER-ATMOSPHERIC OZONE â€œSLOSHINGâ€•IN AN URBANIZED VALLEY. Physical Geography, 1999, 20, 520-536.	0.6	26
81	Range and Height Measurement of X-Band EM Propagation in the Marine Atmospheric Boundary Layer. IEEE Transactions on Antennas and Propagation, 2019, 67, 2063-2073.	3.1	26
82	Spatial Variability of Winds and HRRRâ€“NCEP Model Error Statistics at Three Doppler-Lidar Sites in the Wind-Energy Generation Region of the Columbia River Basin. Journal of Applied Meteorology and Climatology, 2019, 58, 1633-1656.	0.6	25
83	Dispersion of suspended particles in turbulent flow. Physics of Fluids A, Fluid Dynamics, 1991, 3, 1730-1740.	1.6	24
84	Turbulent wakes of stratified flow past a cylinder. Physics of Fluids, 1995, 7, 2243-2255.	1.6	24
85	A criterion for the generation of turbulent anabatic flows. Physics of Fluids, 2007, 19, .	1.6	24
86	In Situ Calibration of Hot-Film Probes Using a Collocated Sonic Anemometer: Implementation of a Neural Network. Journal of Atmospheric and Oceanic Technology, 2010, 27, 23-41.	0.5	24
87	Relationship between particulate matter and childhood asthma â€“ basis of a future warning system for central Phoenix. Atmospheric Chemistry and Physics, 2012, 12, 2479-2490.	1.9	24
88	Identification and Characterization of Persistent Cold Pool Events from Temperature and Wind Profilers in the Columbia River Basin. Journal of Applied Meteorology and Climatology, 2019, 58, 2533-2551.	0.6	23
89	Turbulent mixing at an inversion layer. Journal of Fluid Mechanics, 1994, 267, 275-298.	1.4	22
90	Separation of upslope flow over a uniform slope. Journal of Fluid Mechanics, 2015, 775, 266-287.	1.4	22

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91	Assessment of Planetary Boundary-Layer Schemes in the Weather Research and Forecasting Mesoscale Model Using MATERHORN Field Data. Boundary-Layer Meteorology, 2016, 159, 589-609.	1.2	22
92	A Review of Coastal Fog Microphysics During C-FOG. Boundary-Layer Meteorology, 2021, 181, 227-265.	1.2	22
93	Breakdown of line plumes in turbulent environments. Journal of Geophysical Research, 1995, 100, 4707.	3.3	21
94	Horizontal jets in a rotating stratified fluid. Physics of Fluids, 1997, 9, 115-126.	1.6	21
95	Field Studies Delve Into the Intricacies of Mountain Weather. Eos, 2013, 94, 313-315.	0.1	21
96	A Case Study of the Mechanisms Modulating the Evolution of Valley Fog. Pure and Applied Geophysics, 2016, 173, 3011-3030.	0.8	21
97	Thermal surface signatures of ship propeller wakes in stratified waters. Physics of Fluids, 2012, 24, .	1.6	20
98	Physical Model of Diurnal Heating in the Vicinity of a Two-Dimensional Ridge. Journals of the Atmospheric Sciences, 1996, 53, 62-85.	0.6	19
99	The transition from density-driven to wave-dominated isolated flows. Journal of Fluid Mechanics, 1998, 361, 253-274.	1.4	18
100	Fine-scale turbulent bursts in stableÂatmospheric boundary layer in complex terrain. Journal of Fluid Mechanics, 2017, 833, 745-772.	1.4	18
101	Impact of model improvements on 80â€‰m wind speeds during the second Wind Forecast Improvement Project (WFIP2). Geoscientific Model Development, 2019, 12, 4803-4821.	1.3	18
102	Turbulent thermal convection in a rotating stratified fluid. Journal of Fluid Mechanics, 2002, 467, 19-40.	1.4	17
103	Arctic Ocean mixed-layer eddy generation under leads in sea ice. Journal of Geophysical Research, 2002, 107, 17-1.	3.3	17
104	Mine Burial in the Shoaling Zone: Scaling of Laboratory Results to Oceanic Situations. IEEE Journal of Oceanic Engineering, 2007, 32, 204-213.	2.1	17
105	Probability Distribution of Turbulent Kinetic Energy Dissipation Rate in Ocean: Observations and Approximations. Journal of Geophysical Research: Oceans, 2017, 122, 8293-8308.	1.0	17
106	Propagation of grid turbulence in homogeneous fluids. Physics of Fluids, 1996, 8, 2435-2440.	1.6	16
107	Effects of rotation and sloping terrain on the fronts of density currents. Journal of Fluid Mechanics, 2005, 537, 285.	1.4	16
108	Flow and turbulence in an industrial/suburban roughness canopy. Environmental Fluid Mechanics, 2013, 13, 279-307.	0.7	16

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109	Stratified Flow Past a Hill: Dividing Streamline Concept Revisited. Boundary-Layer Meteorology, 2016, 159, 611-634.	1.2	16
110	Aerial Observations of Symmetric Instability at the North Wall of the Gulf Stream. Geophysical Research Letters, 2018, 45, 236-244.	1.5	16
111	Quantification of turbulent mixing in colliding gravity currents. Journal of Fluid Mechanics, 2018, 851, 125-147.	1.4	16
112	A numerical study on the formation of a thermocline in shearâ€free turbulence. Physics of Fluids A, Fluid Dynamics, 1991, 3, 422-426.	1.6	15
113	Turbulence and mixing in a stratified shear flow. Geophysical and Astrophysical Fluid Dynamics, 1991, 59, 147-164.	0.4	15
114	Experimental examination of Eulerian frequency spectra in zeroâ€meanâ€shear turbulence. Physics of Fluids, 1995, 7, 1168-1170.	1.6	15
115	Evolution of a forced stratified mixing layer. Physics of Fluids, 2007, 19, 065107.	1.6	15
116	Intermittency of nearâ€bottom turbulence in tidal flow on a shallow shelf. Journal of Geophysical Research, 2010, 115, .	3.3	14
117	On flows in simulated urban canopies. Environmental Fluid Mechanics, 2015, 15, 275-303.	0.7	14
118	A methodology for computing spatially and temporally varying surface sensible heat flux from thermal imagery. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2616-2624.	1.0	14
119	Marine Boundary Layers above Heterogeneous SST: Across-Front Winds. Journals of the Atmospheric Sciences, 2020, 77, 4251-4275.	0.6	14
120	The motion of a buoyant cloud along an incline in the presence of boundary mixing. Journal of Fluid Mechanics, 1992, 235, 557.	1.4	13
121	Shear-induced mixing and transport from a rectangular cavity. Journal of Fluid Mechanics, 2004, 520, 23-49.	1.4	13
122	Evolution of a confined turbulent jet in a long cylindrical cavity: Homogeneous fluids. Physics of Fluids, 2011, 23, .	1.6	13
123	Comment on â€œLocalized convection in rotating stratified fluidâ€•by J. A. Whitehead et al.. Journal of Geophysical Research, 1998, 103, 12891-12894.	3.3	12
124	Self-similarity of asymmetric sand-ripple profiles formed under nonlinear shoaling waves. Physics of Fluids, 2006, 18, 108101.	1.6	12
125	Polimetrics: the quantitative study of urban systems (and its applications to atmospheric and hydro) Tj ETQq1 1 0.784314 rgBT /Over	0.7	12
126	Triple Doppler wind lidar observations during the mountain terrain atmospheric modeling and observations field campaign. Journal of Applied Remote Sensing, 2016, 10, 026015.	0.6	12

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127	A Predictive Model for the Migration of Double-Diffusive Interfaces. Journal of Solar Energy Engineering, Transactions of the ASME, 1991, 113, 59-65.	1.1	11
128	A Numerical Model of the Fluid Motion at a Density Front in the Presence of Background Turbulence. Journal of Physical Oceanography, 1993, 23, 1142-1153.	0.7	11
129	Effects of rotation on fronts of density currents. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 270, 149-156.	0.9	11
130	Numerical modeling of the generation of internal waves by uniform stratified flow over a thin vertical barrier. International Journal for Numerical Methods in Fluids, 2012, 68, 451-466.	0.9	11
131	Characterizing NWP Model Errors Using Doppler-Lidar Measurements of Recurrent Regional Diurnal Flows: Marine-Air Intrusions into the Columbia River Basin. Monthly Weather Review, 2020, 148, 929-953.	0.5	11
132	The vortex shedding of a streamwiseâ€oscillating sphere translating through a linearly stratified fluid. Physics of Fluids, 1994, 6, 239-252.	1.6	10
133	Turbulence in the <scp>E</scp>ast <scp>C</scp>hina <scp>S</scp>ea: <scp>T</scp>he summertime stratification. Journal of Geophysical Research: Oceans, 2015, 120, 1856-1871.	1.0	10
134	A snapshot of internal waves and hydrodynamic instabilities in the southern Bay of Bengal. Journal of Geophysical Research: Oceans, 2016, 121, 5898-5915.	1.0	10
135	Finding optimal geometries for noise barrier tops using scaled experiments. Journal of the Acoustical Society of America, 2017, 141, 722-736.	0.5	10
136	Atmospheric Turbulence Measurements at a Coastal Zone with and without Fog. Boundary-Layer Meteorology, 2021, 181, 395-422.	1.2	10
137	Molecularâ€diffusive effects in penetrative convection. Physics of Fluids A, Fluid Dynamics, 1990, 2, 1592-1596.	1.6	9
138	Starting and steady quadrupolar flow. Physics of Fluids, 1996, 8, 384-396.	1.6	9
139	Sensitivity of WRF Model to Urban Parameterizations, With Applications to Chicago Metropolitan Urban Heat Island. , 2014, , .		9
140	Measurement-Based Numerical Study of the Effects of Realistic Land Topography and Stratification on the Coastal Marine Atmospheric Surface Layer. Boundary-Layer Meteorology, 2019, 171, 289-314.	1.2	9
141	Simulation of stratified flows over a ridge using a lattice Boltzmann model. Environmental Fluid Mechanics, 2020, 20, 1333-1355.	0.7	9
142	Study of Stratus-Lowering Marine-Fog Events Observed During C-FOG. Boundary-Layer Meteorology, 2021, 181, 317-344.	1.2	9
143	Turbulence-induced rectified flows in rotating fluids. Journal of Fluid Mechanics, 1997, 350, 97-118.	1.4	8
144	Experiment on the Self-Propagating Quasi-Monopolar Vortex. Journal of Physical Oceanography, 1999, 29, 2741-2751.	0.7	8

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145	Dipolar eddies in a decaying stratified turbulent flow. Physics of Fluids, 2008, 20, 026602.	1.6	8
146	Large-Eddy Simulation-Based Retrieval of Dissipation from Coherent Doppler Lidar Data. Boundary-Layer Meteorology, 2010, 136, 45-57.	1.2	8
147	Multi-Scale Simulations of Climate-Change Influence on Chicago Heat Island. , 2014, , .		8
148	Surface signatures of submerged heated jet. Environmental Fluid Mechanics, 2014, 14, 1105-1121.	0.7	8
149	Near-surface flow in complex terrain with coastal and urban influence. Environmental Fluid Mechanics, 2015, 15, 349-372.	0.7	8
150	Evaluating the WFIP2 updates to the HRRR model using scanning Doppler lidar measurements in the complex terrain of the Columbia River Basin. Journal of Renewable and Sustainable Energy, 2020, 12, .	0.8	8
151	Onset of stratification in a mixed layer subjected to a stabilizing buoyancy flux. Journal of Fluid Mechanics, 1995, 304, 27-46.	1.4	7
152	Probability Distribution of Turbulent Kinetic Energy Dissipation Rate in Stratified Turbulence: Microstructure Measurements in the Southern California Bight. Journal of Geophysical Research: Oceans, 2019, 124, 4591-4604.	1.0	7
153	Measurements of mixing parameters in atmospheric stably stratified parallel shear flow. Environmental Fluid Mechanics, 2020, 20, 1177-1197.	0.7	7
154	Wakes of Maneuvering Body in Stratified Fluids. Mathematics in Industry, 2010, , 261-266.	0.1	7
155	Inertial range skewness of the longitudinal velocity derivative in locally isotropic turbulence. Physical Review Fluids, 2018, 3, .	1.0	7
156	Flows generated by the periodic horizontal oscillations of a sphere in a linearly stratified fluid. Journal of Fluid Mechanics, 1994, 263, 245-270.	1.4	6
157	Large-Scale Synoptic Systems and Fog During the C-FOG Field Experiment. Boundary-Layer Meteorology, 2021, 181, 171-202.	1.2	6
158	Analysis of Coastal Fog from a Ship During the C-FOG Campaign. Boundary-Layer Meteorology, 2021, 181, 365.	1.2	6
159	Small-scale and lateral intermittency of oceanic microstructure in the pycnocline. Physica Scripta, 2013, T155, 014035.	1.2	5
160	Waves and turbulence in katabatic winds. Environmental Fluid Mechanics, 2014, 14, 431-450.	0.7	5
161	Separation of Upslope Flow over a Plateau. Atmosphere, 2018, 9, 165.	1.0	5
162	Coastal-Fog Microphysics Using In-Situ Observations and GOES-R Retrievals. Boundary-Layer Meteorology, 2021, 181, 203-226.	1.2	5

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163	Fog Formation Related to Gravity Currents Interacting with Coastal Topography. Boundary-Layer Meteorology, 2021, 181, 499.	1.2	5
164	Mixing induced by oscillatory stratified flow past a right-circular cylinder. Journal of Fluid Mechanics, 1995, 284, 1-21.	1.4	4
165	Evolution of two-layer thermohaline systems under surface cooling. Journal of Fluid Mechanics, 1999, 380, 117-140.	1.4	4
166	The efficacy of satellite information in improving CMAQ/Models-3 prediction of ozone episodes in the USâ€“Mexico border. Air Quality, Atmosphere and Health, 2010, 3, 159-169.	1.5	4
167	Flow and pollution transport during Wagerup 2006: a case study. Meteorological Applications, 2010, 17, 269-278.	0.9	4
168	Simulation of flow and turbulence in the Phoenix area using a modified urbanized mesoscale model. Meteorological Applications, 2014, 21, 948-962.	0.9	4
169	Evaporation duct refractivity inversion from EM propagation measurements and NAVSLaM predictions. , 2016, , .		4
170	Lessons from Inter-Comparison of Decadal Climate Simulations and Observations for the Midwest U.S. and Great Lakes Region. Atmosphere, 2019, 10, 266.	1.0	4
171	Ocean Turbulence and Mixing Near the Shelf Break South-East of Nova Scotia. Boundary-Layer Meteorology, 2021, 181, 425-441.	1.2	4
172	Observations of Eddy-Modulated Turbulent Mixing in the Southern Bay of Bengal. Journal of Physical Oceanography, 2021, , .	0.7	4
173	Simulations of Coastal Fog in the Canadian Atlantic with the Weather Research and Forecasting Model. Boundary-Layer Meteorology, 2021, 181, 443-472.	1.2	4
174	Migration of density interfaces subjected to differential turbulent forcing. Geophysical and Astrophysical Fluid Dynamics, 1994, 78, 1-20.	0.4	3
175	Mixing by turbulent buoyant jets in slender containers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3213-3218.	0.9	3
176	Offset Turbulent Jets in Low-Aspect Ratio Cavities. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	0.8	3
177	Pressure Distribution in Confined Jet Flow. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	0.8	3
178	Simulation of stably stratified flow in complex terrain: flow structures and dividing streamline. Environmental Fluid Mechanics, 2020, 20, 1281-1311.	0.7	3
179	Power-Law Scaling of Turbulence Cospectra for the Stably Stratified Atmospheric Boundary Layer. Boundary-Layer Meteorology, 2020, 177, 1-18.	1.2	3
180	Structure functions in nocturnal atmospheric boundary layer turbulence. Physical Review Fluids, 2021, 6, .	1.0	3

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181	Resuspension and Sedimentation of Particles from a Sediment Bed by Turbulent Jets. Flow, Turbulence and Combustion, 1997, 59, 229-242.	0.2	2
182	Turbulent patches in a stratified shear flow. Physics of Fluids, 2005, 17, 078102.	1.6	2
183	The wall-layer dynamics in a weakly stratified tidal bottom boundary layer. Journal of Marine Research, 2015, 73, 207-232.	0.3	2
184	Penetrative convection in slender containers. Environmental Fluid Mechanics, 2017, 17, 799-814.	0.7	2
185	Phase aligned ensemble averaging for environmental flow studies. Environmental Fluid Mechanics, 2020, 20, 1357-1377.	0.7	2
186	Turbulent Plumes, Thermals and Convection in Oceans. , 1994, , 357-373.		2
187	Toward Improving Coastal-Fog Prediction (C-FOG). Boundary-Layer Meteorology, 2021, 181, 167.	1.2	2
188	A Hybrid Bulk Algorithm to Predict Turbulent Fluxes over Dry and Wet Bare Soils. Journal of Applied Meteorology and Climatology, 2022, 61, 393-414.	0.6	2
189	Eddy diffusivity in stratified ocean: a case study in Bay of Bengal. Environmental Fluid Mechanics, 0, , .	0.7	2
190	Water Mass Exchanges between the Bay of Bengal and Arabian Sea from Multiyear Sampling with Autonomous Gliders. Journal of Physical Oceanography, 2022, 52, 2377-2396.	0.7	2
191	Chapman Conference delves into double-diffusive convection. Eos, 1994, 75, 524.	0.1	1
192	Reflections on Fifty Years. Applied Mechanics Reviews, 1997, 50, T1-T2.	4.5	1
193	Fluidization of sediments in a conical basin by subterranean springs: relevance to Lake Banyoles. Aquatic Sciences, 2000, 62, 79.	0.6	1
194	The use of lidarâ€detected smoke puff evolution for dispersion calculations. Meteorological Applications, 2011, 18, 188-197.	0.9	1
195	Prefacing the second decade. Environmental Fluid Mechanics, 2012, 12, 1-2.	0.7	1
196	Characterizing Atmospheric Aerosols off the Atlantic Canadian Coast During C-FOG. Boundary-Layer Meteorology, 2021, 181, 345-364.	1.2	1
197	A Case Study: Evaluation of PAFOG Oneâ€Ð Model With Advection in Simulations of Fog/Stratus From Câ€FOG Experiment. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034812.	1.2	1
198	Acknowledgement of reviewers 2021. Environmental Fluid Mechanics, 2022, 22, 1-3.	0.7	1

#	Article	IF	Citations
199	Intraseasonal Variability of Upper-Ocean Heat Fluxes in the Central Bay of Bengal. Journal of Physical Oceanography, 2022, 52, 261-288.	0.7	1
200	NOTE ON â€INTERFACIAL MIXING IN STRATIFIED FLOWSâ€. Journal of Hydraulic Research/De Recherches Hydrauliques, 1989, 27, 463-467.	0.7	0
201	Laboratory experiments on turbulent mixing across sheared density interfaces. Physics of Fluids A, Fluid Dynamics, 1991, 3, 1461-1461.	1.6	0
202	A special issue on â€˜optical turbulenceâ€™ in the atmosphere. Environmental Fluid Mechanics, 2007, 7, 349-350.	0.7	0
203	Numerical Modeling of Flow in the Condensate Polisher Vessel of a Nuclear Reactor, with Applications to PVNGS. Nuclear Technology, 2011, 174, 18-28.	0.7	0
204	The sea surface temperature: COAMPS/NCOM modeling and in situ measurements. Meteorology and Atmospheric Physics, 2021, 133, 1269-1274.	0.9	0