

Larry Mahrt

List of Publications by Year in descending order

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224
papers

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citations

18482

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231
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231
docs citations

231
times ranked

8411
citing authors

#	ARTICLE	IF	CITATIONS
1	Quality Control and Flux Sampling Problems for Tower and Aircraft Data. Journal of Atmospheric and Oceanic Technology, 1997, 14, 512-526.	1.3	1,214
2	A simple model of the atmospheric boundary layer; sensitivity to surface evaporation. Boundary-Layer Meteorology, 1986, 37, 129-148.	2.3	1,015
3	Stratified Atmospheric Boundary Layers. Boundary-Layer Meteorology, 1999, 90, 375-396.	2.3	524
4	On the Exchange of Momentum over the Open Ocean. Journal of Physical Oceanography, 2013, 43, 1589-1610.	1.7	515
5	Interaction between soil hydrology and boundary-layer development. Boundary-Layer Meteorology, 1987, 38, 185-202.	2.3	497
6	Flux Sampling Errors for Aircraft and Towers. Journal of Atmospheric and Oceanic Technology, 1998, 15, 416-429.	1.3	401
7	A two-layer model of soil hydrology. Boundary-Layer Meteorology, 1984, 29, 1-20.	2.3	399
8	Stably Stratified Atmospheric Boundary Layers. Annual Review of Fluid Mechanics, 2014, 46, 23-45.	25.0	345
9	The Influence of Atmospheric Stability on Potential Evaporation. Journal of Climate and Applied Meteorology, 1984, 23, 222-234.	1.0	325
10	ONE- and TWO-Equation Models for Canopy Turbulence. Boundary-Layer Meteorology, 2004, 113, 81-109.	2.3	311
11	Nocturnal Low-Level Jet Characteristics Over Kansas During Cases-99. Boundary-Layer Meteorology, 2002, 105, 221-252.	2.3	302
12	Nocturnal Boundary-Layer Regimes. Boundary-Layer Meteorology, 1998, 88, 255-278.	2.3	288
13	Post-Field Data Quality Control. , 2004, , 181-208.		249
14	Turbulence Regimes and Turbulence Intermittency in the Stable Boundary Layer during CASES-99. Journals of the Atmospheric Sciences, 2012, 69, 338-351.	1.7	248
15	Stratified Atmospheric Boundary Layers and Breakdown of Models. Theoretical and Computational Fluid Dynamics, 1998, 11, 263-279.	2.2	239
16	Momentum Balance of Gravity Flows. Journals of the Atmospheric Sciences, 1982, 39, 2701-2711.	1.7	235
17	The Cospectral Gap and Turbulent Flux Calculations. Journal of Atmospheric and Oceanic Technology, 2003, 20, 660-672.	1.3	228
18	The Nocturnal Surface Inversion and Influence of Clear-Air Radiative Cooling. Journals of the Atmospheric Sciences, 1982, 39, 864-878.	1.7	225

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19	Atmospheric Disturbances that Generate Intermittent Turbulence in Nocturnal Boundary Layers. <i>Boundary-Layer Meteorology</i> , 2004, 110, 255-279.	2.3	185
20	Surface Heterogeneity and Vertical Structure of the Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2000, 96, 33-62.	2.3	183
21	Uncertainties in, and interpretation of, carbon flux estimates using the eddy covariance technique. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	179
22	An observational study of the structure of the nocturnal boundary layer. <i>Boundary-Layer Meteorology</i> , 1979, 17, 247-264.	2.3	162
23	The Coupled Boundary Layers and Air-Sea Transfer Experiment in Low Winds. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 341-356.	3.3	154
24	Grid-Averaged Surface Fluxes. <i>Monthly Weather Review</i> , 1987, 115, 1550-1560.	1.4	152
25	Shallow Drainage Flows. <i>Boundary-Layer Meteorology</i> , 2001, 101, 243-260.	2.3	148
26	Flux-gradient relationship, self-correlation and intermittency in the stable boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2004, 130, 2087-2103.	2.7	146
27	Contrasting vertical structures of nocturnal boundary layers. <i>Boundary-Layer Meteorology</i> , 2002, 105, 351-363.	2.3	145
28	Multiresolution Flux Decomposition. <i>Boundary-Layer Meteorology</i> , 1997, 83, 117-137.	2.3	141
29	Eddy Asymmetry in the Sheared Heated Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 1991, 48, 472-492.	1.7	129
30	Intermittent of Atmospheric Turbulence. <i>Journals of the Atmospheric Sciences</i> , 1989, 46, 79-95.	1.7	126
31	Computing turbulent fluxes near the surface: Needed improvements. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 501-509.	4.8	119
32	Daytime Evolution of Relative Humidity at the Boundary Layer Top. <i>Monthly Weather Review</i> , 1994, 122, 2709-2721.	1.4	115
33	The bulk aerodynamic formulation over heterogeneous surfaces. <i>Boundary-Layer Meteorology</i> , 1996, 78, 87-119.	2.3	114
34	A Solution for Flux Contamination by Mesoscale Motions With Very Weak Turbulence. <i>Boundary-Layer Meteorology</i> , 2006, 118, 431-447.	2.3	112
35	Review of wave-turbulence interactions in the stable atmospheric boundary layer. <i>Reviews of Geophysics</i> , 2015, 53, 956-993.	23.0	112
36	Boundary-layer moisture regimes. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1991, 117, 151-176.	2.7	110

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37	Determination of Surface Fluxes from the Surface Radiative Temperature. <i>Journals of the Atmospheric Sciences</i> , 1995, 52, 1096-1106.	1.7	110
38	Scaling up flux measurements for the boreal forest using aircraft-tower combinations. <i>Journal of Geophysical Research</i> , 1997, 102, 29125-29133.	3.3	107
39	Vertical Structure and Turbulence in the Very Stable Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 1985, 42, 2333-2349.	1.7	105
40	Air Temperature Measurement Errors in Naturally Ventilated Radiation Shields. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 1046-1058.	1.3	104
41	Extremely Weak Mixing in Stable Conditions. <i>Boundary-Layer Meteorology</i> , 2006, 119, 19-39.	2.3	104
42	The Nature, Theory, and Modeling of Atmospheric Planetary Boundary Layers. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 123-128.	3.3	103
43	The Very Stable Boundary Layer on Nights with Weak Low-Level Jets. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 3068-3090.	1.7	97
44	A New Drag Relation for Aerodynamically Rough Flow over the Ocean. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 2520-2537.	1.7	97
45	Impact of soil water property parameterization on atmospheric boundary layer simulation. <i>Journal of Geophysical Research</i> , 1996, 101, 7269-7277.	3.3	92
46	Fetch Limited Drag Coefficients. <i>Boundary-Layer Meteorology</i> , 1997, 85, 53-79.	2.3	89
47	Wind and Temperature Oscillations Generated by Wave-Turbulence Interactions in the Stably Stratified Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 1484-1503.	1.7	89
48	Modelling the depth of the stable boundary-layer. <i>Boundary-Layer Meteorology</i> , 1981, 21, 3-19.	2.3	87
49	Observations of Fluxes and Inland Breezes over a Heterogeneous Surface. <i>Journals of the Atmospheric Sciences</i> , 1994, 51, 2484-2499.	1.7	86
50	An improved bulk air-sea surface flux algorithm, including spray-mediated transfer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 642-654.	2.7	83
51	The Role of Large-Coherent-Eddy Transport in the Atmospheric Surface Layer Based on CASES-99 Observations. <i>Boundary-Layer Meteorology</i> , 2016, 160, 83-111.	2.3	80
52	Variability and Maintenance of Turbulence in the Very Stable Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2010, 135, 1-18.	2.3	79
53	Transport of carbon dioxide, water vapor, and ozone by turbulence and local circulations. <i>Journal of Geophysical Research</i> , 1998, 103, 25873-25885.	3.3	77
54	Non-stationary Generation of Weak Turbulence for Very Stable and Weak-Wind Conditions. <i>Boundary-Layer Meteorology</i> , 2013, 147, 179-199.	2.3	77

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55	Sea surface drag coefficients in the RisÅ, Air Sea Experiment. <i>Journal of Geophysical Research</i> , 1996, 101, 14327-14335.	3.3	76
56	Evaluating Formulations of Stable Boundary Layer Height. <i>Journal of Applied Meteorology and Climatology</i> , 2004, 43, 1736-1749.	1.7	75
57	Contrasting structures between the decoupled and coupled states of the stable boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 693-702.	2.7	73
58	Spatial variability of turbulent fluxes and roughness lengths in HAPEX-MOBILHY. <i>Boundary-Layer Meteorology</i> , 1993, 65, 381-400.	2.3	72
59	Mixed Layer Moisture structure. <i>Monthly Weather Review</i> , 1976, 104, 1403-1407.	1.4	71
60	The Rapid Morning Boundary-Layer Transition. <i>Journals of the Atmospheric Sciences</i> , 1979, 36, 2108-2124.	1.7	70
61	Boundary-Layer Adjustment Over Small-Scale Changes of Surface Heat Flux. <i>Boundary-Layer Meteorology</i> , 2005, 116, 313-330.	2.3	68
62	The early evening boundary layer transition. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1981, 107, 329-343.	2.7	67
63	Weak-wind mesoscale meandering in the nocturnal boundary layer. <i>Environmental Fluid Mechanics</i> , 2007, 7, 331-347.	1.6	65
64	California ozone deposition experiment: Methods, results, and opportunities. <i>Atmospheric Environment</i> , 1995, 29, 3115-3132.	4.1	63
65	Nocturnal mixing in a forest subcanopy. <i>Agricultural and Forest Meteorology</i> , 2000, 101, 67-78.	4.8	63
66	Observations Of Nocturnal Drainage Flow In A Shallow Gully. <i>Boundary-Layer Meteorology</i> , 2002, 105, 253-273.	2.3	63
67	The Near-Calm Stable Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2011, 140, 343-360.	2.3	62
68	The Persistent Challenge of Surface Heterogeneity in Boundary-Layer Meteorology: A Review. <i>Boundary-Layer Meteorology</i> , 2020, 177, 227-245.	2.3	62
69	Effects of mesoscale sea-surface temperature fronts on the marine atmospheric boundary layer. <i>Boundary-Layer Meteorology</i> , 2007, 123, 219-237.	2.3	61
70	Characteristics of Submeso Winds in the Stable Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2009, 130, 1-14.	2.3	61
71	100 Years of Progress in Boundary Layer Meteorology. <i>Meteorological Monographs</i> , 2019, 59, 9.1-9.85.	5.0	61
72	Determination Of The Surface Drag Coefficient. <i>Boundary-Layer Meteorology</i> , 2001, 99, 249-276.	2.3	60

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73	The influence of nonstationarity on the turbulent flux–gradient relationship for stable stratification. <i>Boundary-Layer Meteorology</i> , 2007, 125, 245-264.	2.3	60
74	Surface Wind Direction Variability. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 144-152.	1.5	57
75	Exploring the Possible Role of Small-Scale Terrain Drag on Stable Boundary Layers over Land. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 2518-2530.	1.5	56
76	Flux decomposition into coherent structures. <i>Boundary-Layer Meteorology</i> , 1992, 60, 143-168.	2.3	55
77	Observations of fluxes over heterogeneous surfaces. <i>Boundary-Layer Meteorology</i> , 1994, 67, 345-367.	2.3	54
78	A study of intermittent turbulence with cases-99 tower measurements. <i>Boundary-Layer Meteorology</i> , 2005, 114, 367-387.	2.3	54
79	Scale Dependence of Air-Sea Fluxes over the Western Equatorial Pacific. <i>Journals of the Atmospheric Sciences</i> , 1996, 53, 2997-3012.	1.7	53
80	Simple formulation of turbulent mixing in the stable free atmosphere and nocturnal boundary layer. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 44, 381.	1.7	52
81	Lake-induced atmospheric circulations during BOREAS. <i>Journal of Geophysical Research</i> , 1997, 102, 29155-29166.	3.3	50
82	Variation of Surface Air Temperature in Complex Terrain. <i>Journal of Applied Meteorology and Climatology</i> , 2006, 45, 1481-1493.	1.5	50
83	Formulation of Turbulent Fluxes in the Stable Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 2538-2548.	1.7	49
84	Relationship of surface heat flux to microscale temperature variations: Application to boreas. <i>Boundary-Layer Meteorology</i> , 1995, 76, 291-301.	2.3	48
85	Simple formulation of turbulent mixing in the stable free atmosphere and nocturnal boundary layer. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1992, 44, 381-394.	1.7	45
86	The influence of coherent structures and microfronts on scaling laws using global and local transforms. <i>Journal of Fluid Mechanics</i> , 1994, 260, 247-270.	3.4	45
87	Dependence of Turbulent Velocities on Wind Speed and Stratification. <i>Boundary-Layer Meteorology</i> , 2015, 155, 55-71.	2.3	45
88	Heterogeneous Nocturnal Cooling in a Large Basin Under Very Stable Conditions. <i>Boundary-Layer Meteorology</i> , 2010, 137, 97-113.	2.3	44
89	Contrasting mean vertical motion from tilt correction methods and mass continuity. <i>Agricultural and Forest Meteorology</i> , 2006, 138, 93-103.	4.8	43
90	Turbulence in the nocturnal boundary layer with light and variable winds. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1430-1439.	2.7	43

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91	Small scale drainage front. <i>Tellus</i> , 1982, 34, 579-587.	0.8	42
92	Heat Transport in the Atmospheric Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 1984, 41, 3061-3075.	1.7	42
93	Bulk Formulation of the Surface Heat Flux. <i>Boundary-Layer Meteorology</i> , 2004, 110, 357-379.	2.3	42
94	NASA Cold Land Processes Experiment (CLPX 2002/03): Airborne Remote Sensing. <i>Journal of Hydrometeorology</i> , 2009, 10, 338-346.	1.9	42
95	On the Depth of the Nocturnal Boundary Layer. <i>Journal of Applied Meteorology</i> , 1982, 21, 90-92.	1.1	40
96	Momentum transfer over the coastal zone. <i>Journal of Geophysical Research</i> , 2001, 106, 12437-12448.	3.3	40
97	Heat Flux in the Coastal Zone. <i>Boundary-Layer Meteorology</i> , 1998, 86, 421-446.	2.3	39
98	Spatial variations of surface moisture flux from aircraft data. <i>Advances in Water Resources</i> , 2001, 24, 1133-1141.	3.8	39
99	A Numerical Modeling Study of Warm Offshore Flow over Cool Water. <i>Monthly Weather Review</i> , 2005, 133, 345-361.	1.4	39
100	Observations of the cross-wind velocity variance in the stable boundary layer. <i>Environmental Fluid Mechanics</i> , 2007, 7, 55-71.	1.6	39
101	Common microfronts and other solitary events in the nocturnal boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 1712-1722.	2.7	39
102	Observations of Turbulence in Stratified Flow. <i>Journals of the Atmospheric Sciences</i> , 1987, 44, 1106-1121.	1.7	38
103	Structure of Offshore Flow. <i>Monthly Weather Review</i> , 2001, 129, 1251-1258.	1.4	38
104	Bulk formulation of surface fluxes extended to weak wind stable conditions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 1-10.	2.7	36
105	Investigation of interactions between scales of motion in the stable boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 2424-2433.	2.7	36
106	A two-scale mixing formulation for the atmospheric boundary layer. <i>Boundary-Layer Meteorology</i> , 1995, 73, 91-104.	2.3	35
107	Non-stationary drainage flows and motions in the cold pool. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2010, 62, 698-705.	1.7	35
108	Penetrative convection at the top of a growing boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1979, 105, 469-485.	2.7	34

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109	Relation of slope winds to the ambient flow over gentle terrain. <i>Boundary-Layer Meteorology</i> , 1990, 53, 93-102.	2.3	34
110	Spatial Distribution of Surface Fluxes Estimated from Remotely Sensed Variables. <i>Journal of Applied Meteorology and Climatology</i> , 1994, 33, 1341-1353.	1.7	34
111	Estimation of Surface Heat Flux. <i>Journals of the Atmospheric Sciences</i> , 1995, 52, 3162-3171.	1.7	33
112	Dependence of surface exchange coefficients on averaging scale and grid size. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1995, 121, 1835-1852.	2.7	33
113	Momentum Transport by Gravity Waves. <i>Journals of the Atmospheric Sciences</i> , 1992, 49, 735-748.	1.7	32
114	Vortex structures and microfronts. <i>Physics of Fluids</i> , 1994, 6, 1242-1251.	4.0	32
115	Formulation of surface heat flux: Application to BOREAS. <i>Journal of Geophysical Research</i> , 1997, 102, 29641-29649.	3.3	32
116	Estimates of the 10-m Neutral Sea Surface Drag Coefficient from Aircraft Eddy-Covariance Measurements. <i>Journal of Physical Oceanography</i> , 2013, 43, 301-310.	1.7	32
117	Surface Stress with Non-stationary Weak Winds and Stable Stratification. <i>Boundary-Layer Meteorology</i> , 2016, 159, 3-21.	2.3	32
118	Observations of non-dimensional wind shear in the coastal zone. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1999, 125, 2685-2702.	2.7	31
119	Space-time structure of mesoscale motions in the stable boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 67-75.	2.7	31
120	Is geometry more universal than physics in atmospheric boundary layer flow?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	31
121	Radiative and turbulent fluxes in the nocturnal boundary layer. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2003, 55, 317-327.	1.7	31
122	Evaluation of Boundary Layer Similarity Theory for Stable Conditions in CASES-99. <i>Monthly Weather Review</i> , 2007, 135, 3474-3483.	1.4	30
123	Numerical Prediction of Submesoscale Flow in the Nocturnal Stable Boundary Layer over Complex Terrain. <i>Monthly Weather Review</i> , 2012, 140, 956-977.	1.4	30
124	Dependence of Turbulent and Mesoscale Velocity Variances on Scale and Stability. <i>Journal of Applied Meteorology and Climatology</i> , 2001, 40, 628-641.	1.7	29
125	The Relationships among Wind, Horizontal Pressure Gradient, and Turbulent Momentum Transport during CASES-99. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 3397-3414.	1.7	29
126	Interactions among drainage flows, gravity waves and turbulence: a BLLAST case study. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9031-9047.	4.9	29

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127	Cloud-Top Entrainment Instability Observed in AMTEX. <i>Journals of the Atmospheric Sciences</i> , 1982, 39, 622-634.	1.7	27
128	Simple Inclusion of σ -less Turbulence within and above the Modeled Nocturnal Boundary Layer. <i>Monthly Weather Review</i> , 2001, 129, 2136-2143.	1.4	27
129	Evaluation of the air-sea bulk formula and sea-surface temperature variability from observations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	27
130	Turbulent carbon exchange in very stable conditions. <i>Boundary-Layer Meteorology</i> , 2007, 125, 49-61.	2.3	27
131	Mesoscale wind direction shifts in the stable boundary-layer. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2008, 60, 700-705.	1.7	27
132	The Influence of Transient Flow Distortion on Turbulence in Stable Weak-Wind Conditions. <i>Boundary-Layer Meteorology</i> , 2008, 127, 1-16.	2.3	26
133	Transient Cold Air Drainage down a Shallow Valley. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 2534-2544.	1.7	26
134	An Adaptive Multiresolution Data Filter: Applications to Turbulence and Climatic Time Series. <i>Journals of the Atmospheric Sciences</i> , 1994, 51, 2165-2178.	1.7	26
135	Turbulence kinetic energy budget during the afternoon transition – Part 1: Observed surface TKE budget and boundary layer description for 10 intensive observation period days. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8849-8872.	4.9	25
136	Relationship of area-averaged carbon dioxide and water vapour fluxes to atmospheric variables. <i>Agricultural and Forest Meteorology</i> , 2002, 112, 195-202.	4.8	23
137	Moisture fluxes over snow with and without protruding vegetation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2005, 131, 1251-1270.	2.7	22
138	Particle simulations of dispersion using observed meandering and turbulence. <i>Acta Geophysica</i> , 2008, 56, 234-256.	2.0	22
139	Sea-surface roughness lengths in the midlatitude coastal zone. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 1089-1093.	2.7	22
140	Coastal Zone Surface Stress with Stable Stratification. <i>Journal of Physical Oceanography</i> , 2016, 46, 95-105.	1.7	22
141	Surface stress in offshore flow and quasi-frictional decoupling. <i>Journal of Geophysical Research</i> , 2001, 106, 20629-20639.	3.3	21
142	Formulation of the Sea Surface Friction Velocity in Terms of the Mean Wind and Bulk Stability. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 691-703.	1.5	21
143	An Adaptive Decomposition: Application to Turbulence. <i>Wavelet Analysis and Its Applications</i> , 1994, , 107-128.	0.2	21
144	On the stratification of turbulent mixed layers. <i>Journal of Geophysical Research</i> , 1983, 88, 2662-2666.	3.3	20

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145	Sea-surface aerodynamic roughness. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	20
146	Radiative and turbulent fluxes in the nocturnal boundary layer. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 55, 317.	1.7	20
147	NASA Cold Land Processes Experiment (CLPX 2002/03): Ground-Based and Near-Surface Meteorological Observations. <i>Journal of Hydrometeorology</i> , 2009, 10, 330-337.	1.9	20
148	Determining Wave-Turbulence Interactions in the Stable Boundary Layer. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, ES11-ES13.	3.3	20
149	Classifying the nocturnal atmospheric boundary layer into temperature and flow regimes. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 1515-1534.	2.7	20
150	Nocturnal surface temperature distribution as remotely sensed from low-flying aircraft. <i>Agricultural Meteorology</i> , 1983, 28, 99-107.	0.6	19
151	Effect of stability on mixing in open canopies. <i>Agricultural and Forest Meteorology</i> , 2005, 135, 169-179.	4.8	19
152	Estimation of length scales from mesoscale networks. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2008, 60, 706-715.	1.7	19
153	Estimating the Bowen ratio over the open and ice-covered ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4334-4345.	2.6	19
154	Stably Stratified Flow in a Shallow Valley. <i>Boundary-Layer Meteorology</i> , 2017, 162, 1-20.	2.3	19
155	On the Influence of Swell Propagation Angle on Surface Drag. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 1039-1059.	1.5	19
156	Microfronts in the nocturnal boundary layer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 546-562.	2.7	19
157	Comparison of advection and steam fogs: From direct observation over the sea. <i>Atmospheric Research</i> , 2010, 98, 426-437.	4.1	18
158	Non-stationary Boundary Layers. <i>Boundary-Layer Meteorology</i> , 2020, 177, 189-204.	2.3	18
159	Vertical Structure Of Turbulence In Offshore Flow During Rasex. <i>Boundary-Layer Meteorology</i> , 2001, 100, 47-61.	2.3	17
160	Measurement of Directional Wave Spectra Using Aircraft Laser Altimeters. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 869-885.	1.3	17
161	The Bulk Aerodynamic Formulation over Heterogeneous Surfaces. , 1996, , 87-119.		17
162	Comments on "Determining Height of the Nocturnal Boundary Layer". <i>Journal of Applied Meteorology</i> , 1979, 18, 383-383.	1.1	16

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163	Similarity theory for local and spatially averaged momentum fluxes. <i>Agricultural and Forest Meteorology</i> , 2001, 108, 265-279.	4.8	15
164	Calculation of Area-Averaged Fluxes: Application to BOREAS. <i>Journal of Applied Meteorology and Climatology</i> , 2001, 40, 915-920.	1.7	15
165	Low-Level Wind Maxima and Structure of the Stably Stratified Boundary Layer in the Coastal Zone. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 363-376.	1.5	15
166	Oscillating nocturnal slope flow in a coastal valley. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1985, 37A, 196-203.	1.7	14
167	An evaluation of snowmelt and sublimation over short vegetation in land surface modelling. <i>Hydrological Processes</i> , 2004, 18, 3543-3557.	2.6	14
168	Horizontal diffusion by submeso motions in the stable boundary layer. <i>Environmental Fluid Mechanics</i> , 2009, 9, 443-456.	1.6	14
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