

Xuhui Lee

List of Publications by Year in descending order

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190
papers

15,724
citations

23544

58
h-index

19169

118
g-index

199
all docs

199
docs citations

199
times ranked

13081
citing authors

#	ARTICLE	IF	CITATIONS
1	FLUXNET: A New Tool to Study the Temporal and Spatial Variability of Ecosystem-Scale Carbon Dioxide, Water Vapor, and Energy Flux Densities. <i>Bulletin of the American Meteorological Society</i> , 2001, 82, 2415-2434.	1.7	3,018
2	Strong contributions of local background climate to urban heat islands. <i>Nature</i> , 2014, 511, 216-219.	13.7	913
3	Eddy covariance flux corrections and uncertainties in long-term studies of carbon and energy exchanges. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 121-144.	1.9	563
4	Observed increase in local cooling effect of deforestation at higher latitudes. <i>Nature</i> , 2011, 479, 384-387.	13.7	543
5	On micrometeorological observations of surface-air exchange over tall vegetation. <i>Agricultural and Forest Meteorology</i> , 1998, 91, 39-49.	1.9	425
6	Annual cycles of water vapour and carbon dioxide fluxes in and above a boreal aspen forest. <i>Global Change Biology</i> , 1996, 2, 219-229.	4.2	391
7	Overview of ChinaFLUX and evaluation of its eddy covariance measurement. <i>Agricultural and Forest Meteorology</i> , 2006, 137, 125-137.	1.9	369
8	Energy balance and canopy conductance of a boreal aspen forest: Partitioning overstory and understory components. <i>Journal of Geophysical Research</i> , 1997, 102, 28915-28927.	3.3	340
9	Revisiting the contribution of transpiration to global terrestrial evapotranspiration. <i>Geophysical Research Letters</i> , 2017, 44, 2792-2801.	1.5	308
10	Urban heat islands in China enhanced by haze pollution. <i>Nature Communications</i> , 2016, 7, 12509.	5.8	286
11	Rapid and transient response of soil respiration to rain. <i>Global Change Biology</i> , 2004, 10, 1017-1026.	4.2	228
12	Interaction between urban heat island and urban pollution island during summer in Berlin. <i>Science of the Total Environment</i> , 2018, 636, 818-828.	3.9	214
13	A simplified urban-extent algorithm to characterize surface urban heat islands on a global scale and examine vegetation control on their spatiotemporal variability. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 74, 269-280.	1.4	174
14	Global lake evaporation accelerated by changes in surface energy allocation in a warmer climate. <i>Nature Geoscience</i> , 2018, 11, 410-414.	5.4	164
15	Intermittent Turbulence Associated with a Density Current Passage in the Stable Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2002, 105, 199-219.	1.2	159
16	Nitrous oxide emissions are enhanced in a warmer and wetter world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12081-12085.	3.3	155
17	Characteristics of shortwave and longwave irradiances under a Douglas-fir forest stand. <i>Canadian Journal of Forest Research</i> , 1991, 21, 1020-1028.	0.8	141
18	Progress and challenges in using stable isotopes to trace plant carbon and water relations across scales. <i>Biogeosciences</i> , 2012, 9, 3083-3111.	1.3	138

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19	Comparing the carbon budgets of boreal and temperate deciduous forest stands. Canadian Journal of Forest Research, 2002, 32, 813-822.	0.8	136
20	$\delta^{18}\text{O}$ of water vapour, evapotranspiration and the sites of leaf water evaporation in a soybean canopy. Plant, Cell and Environment, 2008, 31, 1214-1228.	2.8	136
21	In Situ Measurement of the Water Vapor $^{18}\text{O}/^{16}\text{O}$ Isotope Ratio for Atmospheric and Ecological Applications. Journal of Atmospheric and Oceanic Technology, 2005, 22, 555-565.	0.5	135
22	Long-term observation of the atmospheric exchange of CO_2 with a temperate deciduous forest in southern Ontario, Canada. Journal of Geophysical Research, 1999, 104, 15975-15984.	3.3	134
23	Identification and correction of spectral contamination in $^{2}\text{H}/^{1}\text{H}$ and $^{18}\text{O}/^{16}\text{O}$ measured in leaf, stem, and soil water. Rapid Communications in Mass Spectrometry, 2011, 25, 3360-3368.	0.7	132
24	Indirect nitrous oxide emissions from streams within the US Corn Belt scale with stream order. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9839-9843.	3.3	131
25	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. Agricultural and Forest Meteorology, 2021, 301-302, 108350.	1.9	125
26	Emission and Long-Range Transport of Gaseous Mercury from a Large-Scale Canadian Boreal Forest Fire. Environmental Science & Technology, 2003, 37, 4343-4347.	4.6	121
27	Crowdsourced air temperatures contrast satellite measures of the urban heat island and its mechanisms. Science Advances, 2021, 7, .	4.7	120
28	Comparing the diurnal and seasonal variabilities of atmospheric and surface urban heat islands based on the Beijing urban meteorological network. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2131-2154.	1.2	109
29	Urban warming advances spring phenology but reduces the response of phenology to temperature in the conterminous United States. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4228-4233.	3.3	109
30	Atmospheric turbulence within and above a douglas-fir stand. Part II: Eddy fluxes of sensible heat and water vapour. Boundary-Layer Meteorology, 1993, 64, 369-389.	1.2	108
31	Water vapour $^{18}\text{O}/^{16}\text{O}$ isotope ratio in surface air in New England, USA. Tellus, Series B: Chemical and Physical Meteorology, 2022, 58, 293.	0.8	106
32	Amplified Urban Heat Islands during Heat Wave Periods. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7797-7812.	1.2	106
33	Spatial variations of methane emission in a large shallow eutrophic lake in subtropical climate. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1597-1614.	1.3	102
34	The seasonal water and energy exchange above and within a boreal aspen forest. Journal of Hydrology, 2001, 245, 118-136.	2.3	100
35	Continuous measurement of water vapor D/H and $^{18}\text{O}/^{16}\text{O}$ isotope ratios in the atmosphere. Journal of Hydrology, 2008, 349, 489-500.	2.3	99
36	Elevated methane concentrations in trees of an upland forest. Geophysical Research Letters, 2012, 39, .	1.5	99

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37	Advance of tree-flowering dates in response to urban climate change. <i>Agricultural and Forest Meteorology</i> , 2006, 138, 120-131.	1.9	94
38	Evapotranspiration partitioning through in-situ oxygen isotope measurements in an oasis cropland. <i>Agricultural and Forest Meteorology</i> , 2016, 230-231, 89-96.	1.9	90
39	Water vapor and precipitation isotope ratios in Beijing, China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	89
40	Response of surface air temperature to small-scale land clearing across latitudes. <i>Environmental Research Letters</i> , 2014, 9, 034002.	2.2	89
41	Temporal variations of the $^{18}\text{O}/^{16}\text{O}$ signal of the whole-canopy transpiration in a temperate forest. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	87
42	Temporal and spatial variations in radiation and energy balance across a large freshwater lake in China. <i>Journal of Hydrology</i> , 2014, 511, 811-824.	2.3	85
43	Eutrophic Lake Taihu as a significant CO ₂ source during 2000–2015. <i>Water Research</i> , 2020, 170, 115331.	5.3	85
44	Air motion within and above forest vegetation in non-ideal conditions. <i>Forest Ecology and Management</i> , 2000, 135, 3-18.	1.4	84
45	Forest-Air Fluxes Of Carbon, Water And Energy Over Non-Flat Terrain. <i>Boundary-Layer Meteorology</i> , 2002, 103, 277-301.	1.2	79
46	A meta-analysis of water vapor deuterium excess in the midlatitude atmospheric surface layer. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	78
47	The Taihu Eddy Flux Network: An Observational Program on Energy, Water, and Greenhouse Gas Fluxes of a Large Freshwater Lake. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1583-1594.	1.7	77
48	Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. <i>Environmental Science & Technology</i> , 2018, 52, 10297-10306.	4.6	76
49	Global satellite data highlights the diurnal asymmetry of the surface temperature response to deforestation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 903-917.	1.3	74
50	Micrometeorological fluxes under the influence of regional and local advection: a revisit. <i>Agricultural and Forest Meteorology</i> , 2004, 122, 111-124.	1.9	73
51	Chemical characteristics of dicarboxylic acids and related organic compounds in PM _{2.5} during biomass-burning and non-biomass-burning seasons at a rural site of Northeast China. <i>Environmental Pollution</i> , 2017, 231, 654-662.	3.7	72
52	Reconciling the differences between top-down and bottom-up estimates of nitrous oxide emissions for the U.S. Corn Belt. <i>Global Biogeochemical Cycles</i> , 2013, 27, 746-754.	1.9	71
53	Coherent eddies and temperature structure functions for three contrasting surfaces. Part I: Ramp model with finite microfront time. <i>Boundary-Layer Meteorology</i> , 1997, 84, 99-124.	1.2	70
54	Dew water isotopic ratios and their relationships to ecosystem water pools and fluxes in a cropland and a grassland in China. <i>Oecologia</i> , 2012, 168, 549-561.	0.9	70

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55	Direct measurement of biosphere-atmosphere isotopic CO ₂ exchange using the eddy covariance technique. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	67
56	Microclimatology of treeline spruce-fir forests in mountains of the northeastern United States. <i>Agricultural and Forest Meteorology</i> , 2004, 125, 53-66.	1.9	65
57	Evapotranspiration partitioning for three agro-ecosystems with contrasting moisture conditions: a comparison of an isotope method and a two-source model calculation. <i>Agricultural and Forest Meteorology</i> , 2018, 252, 296-310.	1.9	65
58	Nocturnal mixing in a forest subcanopy. <i>Agricultural and Forest Meteorology</i> , 2000, 101, 67-78.	1.9	63
59	Stable Sulfur Isotopes Revealed a Major Role of Transition-Metal Ion-Catalyzed SO ₂ Oxidation in Haze Episodes. <i>Environmental Science & Technology</i> , 2020, 54, 2626-2634.	4.6	63
60	Assessment of carbonaceous aerosols in Shanghai, China – Part 1: long-term evolution, seasonal variations, and meteorological effects. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9945-9964.	1.9	62
61	Correcting surface solar radiation of two data assimilation systems against FLUXNET observations in North America. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9552-9564.	1.2	60
62	Canopy-scale kinetic fractionation of atmospheric carbon dioxide and water vapor isotopes. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	59
63	High Contribution of Nonfossil Sources to Submicrometer Organic Aerosols in Beijing, China. <i>Environmental Science & Technology</i> , 2017, 51, 7842-7852.	4.6	58
64	Influences of large-scale convection and moisture source on monthly precipitation isotope ratios observed in Thailand, Southeast Asia. <i>Earth and Planetary Science Letters</i> , 2018, 488, 181-192.	1.8	58
65	Determining the Oxygen Isotope Composition of Evapotranspiration Using Eddy Covariance. <i>Boundary-Layer Meteorology</i> , 2010, 137, 307-326.	1.2	57
66	A Perspective on Thirty Years of the Webb, Pearman and Leuning Density Corrections. <i>Boundary-Layer Meteorology</i> , 2011, 139, 37-59.	1.2	57
67	Assessing the use of subgrid land model output to study impacts of land cover change. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6133-6147.	1.2	57
68	Evidence for a Rising Cloud Ceiling in Eastern North America*. <i>Journal of Climate</i> , 2003, 16, 2093-2098.	1.2	57
69	Feasibility of quantifying ecosystem-atmosphere C ₁₈ O ₁₆ O exchange using laser spectroscopy and the flux-gradient method. <i>Agricultural and Forest Meteorology</i> , 2005, 135, 44-60.	1.9	55
70	Regional-scale controls on dissolved nitrous oxide in the Upper Mississippi River. <i>Geophysical Research Letters</i> , 2016, 43, 4400-4407.	1.5	54
71	Coregulation of nitrous oxide emissions by nitrogen and temperature in China's third largest freshwater lake (Lake Taihu). <i>Limnology and Oceanography</i> , 2019, 64, 1070-1086.	1.6	54
72	Partitioning of evapotranspiration through oxygen isotopic measurements of water pools and fluxes in a temperate grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 358-372.	1.3	53

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73	Coherent eddies and temperature structure functions for three contrasting surfaces. Part II: Renewal model for sensible heat flux. <i>Boundary-Layer Meteorology</i> , 1997, 84, 125-147.	1.2	51
74	Evaporation from a temperate closed-basin lake and its impact on present, past, and future water level. <i>Journal of Hydrology</i> , 2018, 561, 59-75.	2.3	50
75	On the land emissivity assumption and Landsat-derived surface urban heat islands: A global analysis. <i>Remote Sensing of Environment</i> , 2021, 265, 112682.	4.6	48
76	Atmospheric turbulence within and above a Douglas-fir stand. Part I: Statistical properties of the velocity field. <i>Boundary-Layer Meteorology</i> , 1993, 64, 149-174.	1.2	46
77	Transfer Coefficients of Momentum, Heat and Water Vapour in the Atmospheric Surface Layer of a Large Freshwater Lake. <i>Boundary-Layer Meteorology</i> , 2013, 148, 479-494.	1.2	46
78	Chemical and optical properties of carbonaceous aerosols in Nanjing, eastern China: regionally transported biomass burning contribution. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11213-11233.	1.9	46
79	Carbon dioxide exchange and nocturnal processes over a mixed deciduous forest. <i>Agricultural and Forest Meteorology</i> , 1996, 81, 13-29.	1.9	45
80	A Modelling Study of Flux Imbalance and the Influence of Entrainment in the Convective Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2008, 127, 273-292.	1.2	45
81	Reduction in human activity can enhance the urban heat island: insights from the COVID-19 lockdown. <i>Environmental Research Letters</i> , 2021, 16, 054060.	2.2	45
82	Evaluation of the CLM4 Lake Model at a Large and Shallow Freshwater Lake*. <i>Journal of Hydrometeorology</i> , 2013, 14, 636-649.	0.7	44
83	Observation of gravity waves in a boreal forest. <i>Boundary-Layer Meteorology</i> , 1997, 84, 383-398.	1.2	43
84	Oxygen isotope composition of evapotranspiration and its relation to C ₄ photosynthetic discrimination. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
85	Modeling biophysical controls on canopy foliage water ¹⁸ O enrichment in wheat and corn. <i>Global Change Biology</i> , 2012, 18, 1769-1780.	4.2	41
86	Environmental investments decreased partial pressure of CO ₂ in a small eutrophic urban lake: Evidence from long-term measurements. <i>Environmental Pollution</i> , 2020, 263, 114433.	3.7	41
87	Gaseous mercury in background forest soil in the northeastern United States. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	40
88	A wedge strategy for mitigation of urban warming in future climate scenarios. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9067-9080.	1.9	39
89	A Flux-Gradient System for Simultaneous Measurement of the CH ₄ , CO ₂ , and H ₂ O Fluxes at a Lake-Air Interface. <i>Environmental Science & Technology</i> , 2014, 48, 14490-14498.	4.6	38
90	Surface nitrous oxide concentrations and fluxes from water bodies of the agricultural watershed in Eastern China. <i>Environmental Pollution</i> , 2019, 251, 185-192.	3.7	38

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91	The fertilization effect of global dimming on crop yields is not attributed to an improved light interception. <i>Global Change Biology</i> , 2020, 26, 1697-1713.	4.2	37
92	Dissimilarity of Scalar Transport in the Convective Boundary Layer in Inhomogeneous Landscapes. <i>Boundary-Layer Meteorology</i> , 2009, 130, 327-345.	1.2	36
93	Evaluating calibration strategies for isotope ratio infrared spectroscopy for atmospheric $\delta^{13}\text{C}$ / $\delta^{12}\text{C}$ and $\delta^{18}\text{O}$ / $\delta^{16}\text{O}$ measurement. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1491-1501.	1.2	36
94	Response of Surface Temperature to Afforestation in the Kubuqi Desert, Inner Mongolia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 948-964.	1.2	36
95	Eutrophication and temperature drive large variability in carbon dioxide from China's Lake Taihu. <i>Limnology and Oceanography</i> , 2022, 67, 379-391.	1.6	36
96	Climatology of gravity waves in a forest. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1998, 124, 1403-1419.	1.0	35
97	Transition of stable isotope ratios of leaf water under simulated dew formation. <i>Plant, Cell and Environment</i> , 2011, 34, 1790-1801.	2.8	35
98	Intercomparison of Four Commercial Analyzers for Water Vapor Isotope Measurement. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 235-247.	0.5	35
99	A highly agricultural river network in Jurong Reservoir watershed as significant CO ₂ and CH ₄ sources. <i>Science of the Total Environment</i> , 2021, 769, 144558.	3.9	35
100	Meteorological controls on daily variations of nighttime surface urban heat islands. <i>Remote Sensing of Environment</i> , 2021, 253, 112198.	4.6	34
101	Diurnal and Seasonal Variations of Thermal Stratification and Vertical Mixing in a Shallow Fresh Water Lake. <i>Journal of Meteorological Research</i> , 2018, 32, 219-232.	0.9	33
102	Partitioning N ₂ O emissions within the U.S. Corn Belt using an inverse modeling approach. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1192-1205.	1.9	32
103	Isotopic enrichment of liquid water during evaporation from water surfaces. <i>Journal of Hydrology</i> , 2011, 399, 364-375.	2.3	31
104	Greenhouse trace gases in deadwood. <i>Biogeochemistry</i> , 2016, 130, 215-226.	1.7	31
105	Temporal Dynamics of Aerodynamic Canopy Height Derived From Eddy Covariance Momentum Flux Data Across North American Flux Networks. <i>Geophysical Research Letters</i> , 2018, 45, 9275-9287.	1.5	31
106	A global database of water vapor isotopes measured with high temporal resolution infrared laser spectroscopy. <i>Scientific Data</i> , 2019, 6, 180302.	2.4	31
107	Gravity Waves in a Forest: A Linear Analysis. <i>Journals of the Atmospheric Sciences</i> , 1997, 54, 2574-2585.	0.6	30
108	A Large-Eddy Simulation Study of Water Vapour and Carbon Dioxide Isotopes in the Atmospheric Boundary Layer. <i>Boundary-Layer Meteorology</i> , 2012, 145, 229-248.	1.2	30

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109	A Modeling Study of Direct and Indirect N ₂ O Emissions From a Representative Catchment in the U.S. Corn Belt. <i>Water Resources Research</i> , 2018, 54, 3632-3653.	1.7	30
110	A modeling investigation of canopy-air oxygen isotopic exchange of water vapor and carbon dioxide in a soybean field. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
111	Investigating the source, transport, and isotope composition of water vapor in the planetary boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5139-5157.	1.9	29
112	Large interannual variability in net ecosystem carbon dioxide exchange of a disturbed temperate peatland. <i>Science of the Total Environment</i> , 2016, 554-555, 192-202.	3.9	27
113	Spatiotemporal variability of the near-surface CO ₂ concentration across an industrial-urban-rural transect, Nanjing, China. <i>Science of the Total Environment</i> , 2018, 631-632, 1192-1200.	3.9	27
114	Persistent Increases in Nighttime Heat Stress From Urban Expansion Despite Heat Island Mitigation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033831.	1.2	27
115	Short-term effects of rain on soil respiration in two New England forests. <i>Plant and Soil</i> , 2011, 338, 329-342.	1.8	26
116	An evaluation of the flux-gradient and the eddy covariance method to measure CH ₄ , CO ₂ , and H ₂ O fluxes from small ponds. <i>Agricultural and Forest Meteorology</i> , 2019, 275, 255-264.	1.9	26
117	Methane flux dynamics in a submerged aquatic vegetation zone in a subtropical lake. <i>Science of the Total Environment</i> , 2019, 672, 400-409.	3.9	26
118	Fundamentals of Boundary-Layer Meteorology. Springer Atmospheric Sciences, 2018, , .	0.4	25
119	Measuring Landscape Albedo Using Unmanned Aerial Vehicles. <i>Remote Sensing</i> , 2018, 10, 1812.	1.8	24
120	Large methane emissions from natural gas vehicles in Chinese cities. <i>Atmospheric Environment</i> , 2018, 187, 374-380.	1.9	24
121	Land Cover Regulates the Spatial Variability of Temperature Response to the Direct Radiative Effect of Aerosols. <i>Geophysical Research Letters</i> , 2019, 46, 8995-9003.	1.5	24
122	Modelling the effect of mean pressure gradient on the mean flow within forests. <i>Agricultural and Forest Meteorology</i> , 1994, 68, 201-212.	1.9	23
123	Recent trends in anthropogenic mercury emission in the northeast United States. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	23
124	Taxonomy of seasonal and diurnal clear-sky climatology of surface urban heat island dynamics across global cities. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 187, 14-33.	4.9	23
125	Pressure correction to the long-term measurement of carbon dioxide flux. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 70-77.	1.9	22
126	Characteristics and origins of air pollutants and carbonaceous aerosols during wintertime haze episodes at a rural site in the Yangtze River Delta, China. <i>Atmospheric Pollution Research</i> , 2017, 8, 900-911.	1.8	21

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127	An Experimental Investigation of Kinetic Fractionation of Open-Water Evaporation Over a Large Lake. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,651.	1.2	21
128	Four-band Thermal Mosaicking: A New Method to Process Infrared Thermal Imagery of Urban Landscapes from UAV Flights. <i>Remote Sensing</i> , 2019, 11, 1365.	1.8	21
129	A Numerical Study Of Nocturnal Wavelike Motion In Forests. <i>Boundary-Layer Meteorology</i> , 2002, 102, 199-223.	1.2	20
130	Fetch and Footprint of Turbulent Fluxes over Vegetative Stands with Elevated Sources. <i>Boundary-Layer Meteorology</i> , 2003, 107, 561-579.	1.2	20
131	Trends in evaporation of a large subtropical lake. <i>Theoretical and Applied Climatology</i> , 2017, 129, 159-170.	1.3	20
132	Comparison of flux measurements with open- and closed-path gas analyzers above an agricultural field and a forest floor. <i>Boundary-Layer Meteorology</i> , 1994, 67, 195-202.	1.2	19
133	Use of the isotope flux ratio approach to investigate the $\delta^{18}\text{O}$ and $\delta^{13}\text{CO}_2$ exchange near the floor of a temperate deciduous forest. <i>Biogeosciences</i> , 2012, 9, 2385-2399.	1.3	19
134	Spatiotemporal Characteristics of Lake Breezes over Lake Taihu, China. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 2053-2065.	0.6	19
135	Interpreting the $\delta^{13}\text{C}$ $\delta^{12}\text{C}$ ratio of carbon dioxide in an urban airshed in the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3385-3399.	1.9	19
136	Impact of Aerosol Shortwave Radiative Heating on Entrainment in the Atmospheric Convective Boundary Layer: A Large-Eddy Simulation Study. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 785-799.	0.6	19
137	Entrainment and budgets of heat, water vapor, and carbon dioxide in a convective boundary layer driven by time-varying forcing. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	18
138	Estimating regional greenhouse gas fluxes: an uncertainty analysis of planetary boundary layer techniques and bottom-up inventories. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10705-10719.	1.9	18
139	Top-Down Constraints on Anthropogenic CO_2 Emissions Within an Agricultural-Urban Landscape. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4674-4694.	1.2	18
140	Anthropogenic emission of mercury to the atmosphere in the northeast United States. <i>Geophysical Research Letters</i> , 2001, 28, 1231-1234.	1.5	17
141	A model for scalar advection inside canopies and application to footprint investigation. <i>Agricultural and Forest Meteorology</i> , 2004, 127, 131-141.	1.9	17
142	Priorities for Boundary Layer Meteorology Research in China. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES149-ES151.	1.7	17
143	Spatial distribution and temporal variability of stable water isotopes in a large and shallow lake. <i>Isotopes in Environmental and Health Studies</i> , 2016, 52, 443-454.	0.5	17
144	Performance Evaluation of an Integrated Open-Path Eddy Covariance System in a Cold Desert Environment. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 2385-2399.	0.5	16

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145	Landscape variations in understory PAR for a mixed deciduous forest in New England, USA. <i>Agricultural and Forest Meteorology</i> , 2003, 118, 137-141.	1.9	15
146	The utility of near-surface water vapor deuterium excess as an indicator of atmospheric moisture source. <i>Journal of Hydrology</i> , 2019, 577, 123923.	2.3	15
147	Strong Local Evaporative Cooling Over Land Due to Atmospheric Aerosols. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002491.	1.3	15
148	Reply to comment by Finnigan on "On micrometeorological observations of surface-air exchange over tall vegetation". <i>Agricultural and Forest Meteorology</i> , 1999, 97, 65-67.	1.9	14
149	Constraining anthropogenic CH ₄ emissions in Nanjing and the Yangtze River Delta, China, using atmospheric CO ₂ and CH ₄ mixing ratios. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1343-1352.	1.9	14
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