

# 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	A global dataset on subgrid land surface climate (2015–2100) from the Community Earth System Model. <i>Geoscience Data Journal</i> , 2023, 10, 208-219.	1.8	3
2	Water vapour $\delta^{18}\text{O}$ and $\delta^{16}\text{O}$ isotope ratio in surface air in New England, USA. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 58, 293.	0.8	106
3	Methane emission of a lake aquaculture farm and its response to ecological restoration. <i>Agriculture, Ecosystems and Environment</i> , 2022, 330, 107883.	2.5	10
4	A Scale-Separating Framework for Fusing Satellite Land Surface Temperature Products. <i>Remote Sensing</i> , 2022, 14, 983.	1.8	1
5	Quantifying the contribution of evaporation from Lake Taihu to precipitation with an isotope-based method. <i>Isotopes in Environmental and Health Studies</i> , 2022, , 1-19.	0.5	1
6	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
7	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
8	Meteorological controls on daily variations of nighttime surface urban heat islands. <i>Remote Sensing of Environment</i> , 2021, 253, 112198.	4.6	34
9	Biases in open-path carbon dioxide flux measurements: Roles of instrument surface heat exchange and analyzer temperature sensitivity. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108216.	1.9	3
10	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
11	Determining the Isotopic Composition of Surface Water Vapor Flux From High-Frequency Observations Using Flux-Gradient and Keeling Plot Methods. <i>Earth and Space Science</i> , 2021, 8, e2020EA001304.	1.1	2
12	Ocean surface energy balance allows a constraint on the sensitivity of precipitation to global warming. <i>Nature Communications</i> , 2021, 12, 2115.	5.8	8
13	A highly agricultural river network in Jurong Reservoir watershed as significant CO <sub>2</sub> and CH <sub>4</sub> sources. <i>Science of the Total Environment</i> , 2021, 769, 144558.	3.9	35
14	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108350.	1.9	125
15	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
16	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
17	Crowdsourced air temperatures contrast satellite measures of the urban heat island and its mechanisms. <i>Science Advances</i> , 2021, 7, .	4.7	120
18	Large Differences in Diffuse Solar Radiation Among Current-Generation Reanalysis and Satellite-Derived Products. <i>Journal of Climate</i> , 2021, , 1-52.	1.2	6

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19	Statistical estimation of next-day nighttime surface urban heat islands. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 176, 182-195.	4.9	12
20	Anthropogenic and natural controls on atmospheric $\delta^{13}\text{C-CO}_2$ variations in the Yangtze River delta: insights from a carbon isotope modeling framework. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10015-10037.	1.9	6
21	Seasonal Variations of CH <sub>4</sub> Emissions in the Yangtze River Delta Region of China Are Driven by Agricultural Activities. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1537-1551.	1.9	9
22	Isotopic kinetic fractionation of evaporation from small water bodies. <i>Journal of Hydrology</i> , 2021, 603, 126974.	2.3	3
23	Distinct surface response to black carbon aerosols. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13797-13809.	1.9	2
24	Using supervised learning to develop BaRAD, a 40-year monthly bias-adjusted global gridded radiation dataset. <i>Scientific Data</i> , 2021, 8, 238.	2.4	3
25	Large methane emission from freshwater aquaculture ponds revealed by long-term eddy covariance observation. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108600.	1.9	11
26	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
27	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
28	Modeling the Sources and Transport Processes During Extreme Ammonia Episodes in the U.S. Corn Belt. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031207.	1.2	7
29	Eutrophic Lake Taihu as a significant CO <sub>2</sub> source during 2000–2015. <i>Water Research</i> , 2020, 170, 115331.	5.3	85
30	Improving a Multilevel Turbulence Closure Model for a Shallow Lake in Comparison With Other 1D Models. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001971.	1.3	6
31	Are nitrous oxide emissions indirectly fueled by input of terrestrial dissolved organic nitrogen in a large eutrophic Lake Taihu, China?. <i>Science of the Total Environment</i> , 2020, 722, 138005.	3.9	11
32	A mechanistic investigation of the oasis effect in the Zhangye cropland in semiarid western China. <i>Journal of Arid Environments</i> , 2020, 176, 104120.	1.2	7
33	Urban warming advances spring phenology but reduces the response of phenology to temperature in the conterminous United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4228-4233.	3.3	109
34	Stable Sulfur Isotopes Revealed a Major Role of Transition-Metal Ion-Catalyzed SO <sub>2</sub> Oxidation in Haze Episodes. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2626-2634.	4.6	63
35	Environmental investments decreased partial pressure of CO <sub>2</sub> in a small eutrophic urban lake: Evidence from long-term measurements. <i>Environmental Pollution</i> , 2020, 263, 114433.	3.7	41
36	Radiation Controls the Interannual Variability of Evaporation of a Subtropical Lake. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031264.	1.2	12

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37	Performance Evaluation of a Smart Mobile Air Temperature and Humidity Sensor for Characterizing Intracity Thermal Environment. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 1891-1905.	0.5	11
38	A dataset of microclimate and radiation and energy fluxes from the Lake Taihu eddy flux network. <i>Earth System Science Data</i> , 2020, 12, 2635-2645.	3.7	10
39	Amplified Urban Heat Islands during Heat Wave Periods. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7797-7812.	1.2	106
40	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
41	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
42	Improving Lake-Breeze Simulation with WRF Nested LES and Lake Model over a Large Shallow Lake. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 1689-1708.	0.6	10
43	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
44	An evaluation of the flux-gradient and the eddy covariance method to measure CH <sub>4</sub> , CO <sub>2</sub> , and H <sub>2</sub> O fluxes from small ponds. <i>Agricultural and Forest Meteorology</i> , 2019, 275, 255-264.	1.9	26
45	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
46	Impact of Large-Scale Afforestation on Surface Temperature: A Case Study in the Kubuqi Desert, Inner Mongolia Based on the WRF Model. <i>Forests</i> , 2019, 10, 368.	0.9	9
47	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
48	Anthropogenic Methane Emission and Its Partitioning for the Yangtze River Delta Region of China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1148-1170.	1.3	14
49	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
50	Evapotranspiration Characteristics Distinct to Mangrove Ecosystems Are Revealed by Multiple-Site Observations and a Modified Two-Source Model. <i>Water Resources Research</i> , 2019, 55, 11250-11273.	1.7	9
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	Spatiotemporal variability of the near-surface CO <sub>2</sub> concentration across an industrial-urban-rural transect, Nanjing, China. <i>Science of the Total Environment</i> , 2018, 631-632, 1192-1200.	3.9	27
61	Measuring Landscape Albedo Using Unmanned Aerial Vehicles. <i>Remote Sensing</i> , 2018, 10, 1812.	1.8	24
62	Hydrologic implications of the isotopic kinetic fractionation of open-water evaporation. <i>Science China Earth Sciences</i> , 2018, 61, 1523-1532.	2.3	3
63	The Effect of Aerosol Radiative Heating on Turbulence Statistics and Spectra in the Atmospheric Convective Boundary Layer: A Large-Eddy Simulation Study. <i>Atmosphere</i> , 2018, 9, 347.	1.0	9
64	ISOLESC: A Coupled Isotope-LSM-LES-Cloud Modeling System to Investigate the Water Budget in the Atmospheric Boundary Layer. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2589-2617.	1.3	6
65	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
66	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
67	Top-Down Constraints on Anthropogenic CO <sub>2</sub> Emissions Within an Agricultural-Urban Landscape. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4674-4694.	1.2	18
68	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
69	Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10297-10306.	4.6	76
70	Large methane emissions from natural gas vehicles in Chinese cities. <i>Atmospheric Environment</i> , 2018, 187, 374-380.	1.9	24
71	A Modeling Study of Direct and Indirect N <sub>2</sub> O Emissions From a Representative Catchment in the U.S. Corn Belt. <i>Water Resources Research</i> , 2018, 54, 3632-3653.	1.7	30
72	Influences of Root Hydraulic Redistribution on N <sub>2</sub> O Emissions at AmeriFlux Sites. <i>Geophysical Research Letters</i> , 2018, 45, 5135-5143.	1.5	12

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73	Fundamentals of Boundary-Layer Meteorology. Springer Atmospheric Sciences, 2018, , .	0.4	25
74	Trends in evaporation of a large subtropical lake. Theoretical and Applied Climatology, 2017, 129, 159-170.	1.3	20
75	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
76	Global satellite data highlights the diurnal asymmetry of the surface temperature response to deforestation. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 903-917.	1.3	74
77	Investigation of the N2O emission strength in the U. S. Corn Belt. Atmospheric Research, 2017, 194, 66-77.	1.8	13
78	Spatiotemporal Characteristics of Lake Breezes over Lake Taihu, China. Journal of Applied Meteorology and Climatology, 2017, 56, 2053-2065.	0.6	19
79	Characteristics and origins of air pollutants and carbonaceous aerosols during wintertime haze episodes at a rural site in the Yangtze River Delta, China. Atmospheric Pollution Research, 2017, 8, 900-911.	1.8	21
80	Revisiting the contribution of transpiration to global terrestrial evapotranspiration. Geophysical Research Letters, 2017, 44, 2792-2801.	1.5	308
81	Nitrous oxide emissions are enhanced in a warmer and wetter world. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12081-12085.	3.3	155
82	A Meta-Analysis of Open-Path Eddy Covariance Observations of Apparent CO2 Flux in Cold Conditions in FLUXNET. Journal of Atmospheric and Oceanic Technology, 2017, 34, 2475-2487.	0.5	9
83	Chemical characteristics of dicarboxylic acids and related organic compounds in PM2.5 during biomass-burning and non-biomass-burning seasons at a rural site of Northeast China. Environmental Pollution, 2017, 231, 654-662.	3.7	72
84	An Experimental Investigation of Kinetic Fractionation of Open-Water Evaporation Over a Large Lake. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,651.	1.2	21
85	High Contribution of Nonfossil Sources to Submicrometer Organic Aerosols in Beijing, China. Environmental Science & Technology, 2017, 51, 7842-7852.	4.6	58
86	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
87	Assessment of carbonaceous aerosols in Shanghai, China – Part 1: long-term evolution, seasonal variations, and meteorological effects. Atmospheric Chemistry and Physics, 2017, 17, 9945-9964.	1.9	62
88	Interpreting the $\delta^{13}C$ ratio of carbon dioxide in an urban airshed in the Yangtze River Delta, China. Atmospheric Chemistry and Physics, 2017, 17, 3385-3399.	1.9	19
89	A wedge strategy for mitigation of urban warming in future climate scenarios. Atmospheric Chemistry and Physics, 2017, 17, 9067-9080.	1.9	39
90	Urban heat islands in China enhanced by haze pollution. Nature Communications, 2016, 7, 12509.	5.8	286

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91	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
92	Partitioning N <sub>2</sub> 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
93	Greenhouse trace gases in deadwood. <i>Biogeochemistry</i> , 2016, 130, 215-226.	1.7	31
94	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
95	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
96	Regional-scale controls on dissolved nitrous oxide in the Upper Mississippi River. <i>Geophysical Research Letters</i> , 2016, 43, 4400-4407.	1.5	54
97	Influence of Leaf Area Index on the Radiometric Resistance to Heat Transfer. <i>Boundary-Layer Meteorology</i> , 2016, 158, 105-123.	1.2	14
98	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
99	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
100	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
101	Temporal Dynamics and Drivers of Ecosystem Metabolism in a Large Subtropical Shallow Lake (Lake Tj ETQq1 1 0.784314 rgBT /Overbo	1.2	8
102	Indirect nitrous oxide emissions from streams within the US Corn Belt scale with stream order. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9839-9843.	3.3	131
103	Priorities for Boundary Layer Meteorology Research in China. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES149-ES151.	1.7	17
104	Quantifying nitrous oxide fluxes on multiple spatial scales in the Upper Midwest, USA. <i>International Journal of Biometeorology</i> , 2015, 59, 299-310.	1.3	10
105	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
106	A Flux-Gradient System for Simultaneous Measurement of the CH <sub>4</sub> , CO <sub>2</sub> , and H <sub>2</sub> O Fluxes at a Lake-Air Interface. <i>Environmental Science &amp; Technology</i> , 2014, 48, 14490-14498.	4.6	38
107	Response of surface air temperature to small-scale land clearing across latitudes. <i>Environmental Research Letters</i> , 2014, 9, 034002.	2.2	89
108	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

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109	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
110	The influence of plants on atmospheric methane in an agriculture-dominated landscape. <i>International Journal of Biometeorology</i> , 2014, 58, 819-833.	1.3	9
111	Strong contributions of local background climate to urban heat islands. <i>Nature</i> , 2014, 511, 216-219.	13.7	913
112	Constraining anthropogenic CH <sub>4</sub> emissions in Nanjing and the Yangtze River Delta, China, using atmospheric CO <sub>2</sub> and CH <sub>4</sub> mixing ratios. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1343-1352.	1.9	14
113	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
114	Temporal dynamics of oxygen isotope compositions of soil and canopy CO <sub>2</sub> fluxes in a temperate deciduous forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 996-1013.	1.3	5
115	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
116	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
117	Evaluating calibration strategies for isotope ratio infrared spectroscopy for atmospheric $\delta^{13}\text{C}/\text{CO}_2$ / $\delta^{12}\text{C}/\text{CO}_2$ measurement. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1491-1501.	1.2	36
118	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
119	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
120	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
121	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
122	Elevated methane concentrations in trees of an upland forest. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	99
123	A meta-analysis of water vapor deuterium excess in the midlatitude atmospheric surface layer. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	78
124	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
125	Use of the isotope flux ratio approach to investigate the $\delta^{18}\text{O}/\text{O}$ and $\delta^{13}\text{C}/\text{CO}_2$ exchange near the floor of a temperate deciduous forest. <i>Biogeosciences</i> , 2012, 9, 2385-2399.	1.3	19
126	Modeling biophysical controls on canopy foliage water $\delta^{18}\text{O}$ enrichment in wheat and corn. <i>Global Change Biology</i> , 2012, 18, 1769-1780.	4.2	41



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127	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
128	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
129	Oxygen isotope composition of evapotranspiration and its relation to C <sub>4</sub> photosynthetic discrimination. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
130	Pressure correction to the long-term measurement of carbon dioxide flux. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 70-77.	1.9	22
131	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
132	Isotopic enrichment of liquid water during evaporation from water surfaces. <i>Journal of Hydrology</i> , 2011, 399, 364-375.	2.3	31
133	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
134	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
135	Identification and correction of spectral contamination in <sup>2</sup> H/ <sup>1</sup> H and <sup>18</sup> O/ <sup>16</sup> O measured in leaf, stem, and soil water. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3360-3368.	0.7	132
136	Observed increase in local cooling effect of deforestation at higher latitudes. <i>Nature</i> , 2011, 479, 384-387.	13.7	543
137	Determining the Oxygen Isotope Composition of Evapotranspiration Using Eddy Covariance. <i>Boundary-Layer Meteorology</i> , 2010, 137, 307-326.	1.2	57
138	Water vapor and precipitation isotope ratios in Beijing, China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	89
139	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
140	Dissimilarity of Scalar Transport in the Convective Boundary Layer in Inhomogeneous Landscapes. <i>Boundary-Layer Meteorology</i> , 2009, 130, 327-345.	1.2	36
141	Canopy-scale kinetic fractionation of atmospheric carbon dioxide and water vapor isotopes. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	59
142	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
143	<sup>18</sup> O of water vapour, evapotranspiration and the sites of leaf water evaporation in a soybean canopy. <i>Plant, Cell and Environment</i> , 2008, 31, 1214-1228.	2.8	136
144	Continuous measurement of water vapor D/H and <sup>18</sup> O/ <sup>16</sup> O isotope ratios in the atmosphere. <i>Journal of Hydrology</i> , 2008, 349, 489-500.	2.3	99

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145	Direct measurement of biosphere-atmosphere isotopic CO <sub>2</sub> exchange using the eddy covariance technique. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	67
146	Temporal variations of the <sup>18</sup> O/ <sup>16</sup> O signal of the whole-canopy transpiration in a temperate forest. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	87
147	Reply to comment by Ted Michaels on "Recent trends in anthropogenic mercury emission in the northeast United States": Waste-to-energy's low mercury emissions. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	0
148	Simulation of crop growth and energy and carbon dioxide fluxes at different time steps from hourly to daily. <i>Hydrological Processes</i> , 2007, 21, 2474-2492.	1.1	13
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151	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
152	Overview of ChinaFLUX and evaluation of its eddy covariance measurement. <i>Agricultural and Forest Meteorology</i> , 2006, 137, 125-137.	1.9	369
153	Advance of tree-flowering dates in response to urban climate change. <i>Agricultural and Forest Meteorology</i> , 2006, 138, 120-131.	1.9	94
154	In Situ Measurement of the Water Vapor 18O/16O Isotope Ratio for Atmospheric and Ecological Applications. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 555-565.	0.5	135
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156	Rapid and transient response of soil respiration to rain. <i>Global Change Biology</i> , 2004, 10, 1017-1026.	4.2	228
157	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
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159	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
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161	Emission and Long-Range Transport of Gaseous Mercury from a Large-Scale Canadian Boreal Forest Fire. <i>Environmental Science &amp; Technology</i> , 2003, 37, 4343-4347.	4.6	121
162	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

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165	A Note on Alternatively Direct Measurement of the Transfer Resistance over Vegetation. Journal of Atmospheric and Oceanic Technology, 2002, 19, 1886-1890.	0.5	3
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183	Observation of gravity waves in a boreal forest. <i>Boundary-Layer Meteorology</i> , 1997, 84, 383-398.	1.2	43
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