Huizhi Liu

List of Publications by Year in descending order

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Нигини

#	Article	IF	CITATIONS
1	Impact of Soil Moisture on Afternoon Convection Triggering Over the Tibetan Plateau Based on 1â€Đ Boundary Layer Model. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	6
2	Effects of precipitation seasonal distribution on net ecosystem CO2 exchange over an alpine meadow in the southeastern Tibetan Plateau. International Journal of Biometeorology, 2022, 66, 1561-1573.	3.0	5
3	Characteristics of Lake Breezes and Their Impacts on Energy and Carbon Fluxes in Mountainous Areas. Advances in Atmospheric Sciences, 2021, 38, 603-614.	4.3	1
4	Multi-level CO2 fluxes over Beijing megacity with the eddy covariance method. Atmospheric and Oceanic Science Letters, 2021, 14, 100079.	1.3	2
5	Evaluation of the Performance of Different Methods for Estimating Evaporation over a Highland Open Freshwater Lake in Mountainous Area. Water (Switzerland), 2020, 12, 3491.	2.7	3
6	Factors controlling the latent and sensible heat fluxes over Erhai Lake under different atmospheric surface layer stability conditions. Atmospheric and Oceanic Science Letters, 2020, 13, 400-406.	1.3	3
7	The assessment of the planetary boundary layer schemes in WRF over the central Tibetan Plateau. Atmospheric Research, 2019, 230, 104644.	4.1	18
8	Raindrop Size Distribution Characteristics for Tropical Cyclones and Meiyu-Baiu Fronts Impacting Tokyo, Japan. Atmosphere, 2019, 10, 391.	2.3	16
9	The Tibetan Plateau Surface-Atmosphere Coupling System and Its Weather and Climate Effects: The Third Tibetan Plateau Atmospheric Science Experiment. Journal of Meteorological Research, 2019, 33, 375-399.	2.4	36
10	The effect of phenology on the carbon exchange process in grassland and maize cropland ecosystems across a semiarid area of China. Science of the Total Environment, 2019, 695, 133868.	8.0	24
11	Simulation of the radiative effect of haze on the urban hydrological cycle using reanalysis data in Beijing. Atmospheric Chemistry and Physics, 2019, 19, 7001-7017.	4.9	11
12	Differences of atmospheric boundary layer characteristics between pre-monsoon and monsoon period over the Erhai Lake. Theoretical and Applied Climatology, 2019, 135, 305-321.	2.8	9
13	The Third Atmospheric Scientific Experiment for Understanding the Earth–Atmosphere Coupled System over the Tibetan Plateau and Its Effects. Bulletin of the American Meteorological Society, 2018, 99, 757-776.	3.3	128
14	Water and CO2 fluxes over semiarid alpine steppe and humid alpine meadow ecosystems on the Tibetan Plateau. Theoretical and Applied Climatology, 2018, 131, 547-556.	2.8	18
15	Factors controlling evaporation and the CO ₂ flux over an open water lake in southwest of China on multiple temporal scales. International Journal of Climatology, 2018, 38, 4723-4739.	3.5	21
16	The monsoon effect on energy and carbon exchange processes over a highland lake in the southwest of China. Atmospheric Chemistry and Physics, 2018, 18, 15087-15104.	4.9	9
17	Response of carbon dioxide exchange to grazing intensity over typical steppes in a semi-arid area of Inner Mongolia. Theoretical and Applied Climatology, 2017, 128, 719-730.	2.8	8
18	The vertical distribution characteristics of integral turbulence statistics in the atmospheric boundary layer over an urban area in Beijing. Science China Earth Sciences, 2017, 60, 1533-1545.	5.2	11

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19	Evaluating of simulated carbon flux phenology over a cropland ecosystem in a semiarid area of China with SiBcrop. International Journal of Biometeorology, 2017, 61, 247-258.	3.0	4
20	Biophysical effects on the interannual variation in carbon dioxide exchange of an alpine meadow on the Tibetan Plateau. Atmospheric Chemistry and Physics, 2017, 17, 5119-5129.	4.9	11
21	Grazing intensity effects on the partitioning of evapotranspiration in the semiarid typical steppe ecosystems in Inner Mongolia. International Journal of Climatology, 2016, 36, 4130-4140.	3.5	18
22	Analysis of land surface parameters and turbulence characteristics over the Tibetan Plateau and surrounding region. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9540-9560.	3.3	41
23	Evaluation of the WRFâ€lake model over a highland freshwater lake in southwest China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,989.	3.3	32
24	Response of evapotranspiration and CO 2 fluxes to discrete precipitation pulses over degraded grassland and cultivated corn surfaces in a semiarid area of Northeastern China. Journal of Arid Environments, 2016, 127, 137-147.	2.4	7
25	Water and carbon dioxide fluxes over an alpine meadow in southwest China and the impact of a spring drought event. International Journal of Biometeorology, 2016, 60, 195-205.	3.0	15
26	The surface energy budget and interannual variation of the annual total evaporation over a highland lake in Southwest China. Theoretical and Applied Climatology, 2016, 126, 303-312.	2.8	12
27	Eddy covariance measurements of water vapor and CO2 fluxes above the Erhai Lake. Science China Earth Sciences, 2015, 58, 317-328.	5.2	37
28	A Field Experiment on the Small-Scale Variability of Rainfall Based on a Network of Micro Rain Radars and Rain Gauges. Journal of Applied Meteorology and Climatology, 2015, 54, 243-255.	1.5	16
29	Effects of different gap filling methods and land surface energy balance closure on annual net ecosystem exchange in a semiarid area of China. Science China Earth Sciences, 2014, 57, 1340-1351.	5.2	11
30	Multiyear precipitation reduction strongly decreases carbon uptake over northern China. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 881-896.	3.0	79
31	Numerical simulation and data assimilation of the water-energy cycle over semiarid northeastern China. Science China Earth Sciences, 2014, 57, 2340-2356.	5.2	12
32	Validating MODIS land surface reflectance products using ground-measured reflectance spectra – a case study in semi-arid grassland in Inner Mongolia, China. International Journal of Remote Sensing, 2014, 35, 1715-1728.	2.9	5
33	Comparison between static chamber and tunable diode laser-based eddy covariance techniques for measuring nitrous oxide fluxes from a cotton field. Agricultural and Forest Meteorology, 2013, 171-172, 9-19.	4.8	97
34	Seven years of carbon dioxide exchange over a degraded grassland and a cropland with maize ecosystems in a semiarid area of China. Agriculture, Ecosystems and Environment, 2013, 173, 1-12.	5.3	52
35	Effect of grazing intensity on evapotranspiration in the semiarid grasslands ofÂInner Mongolia, China. Journal of Arid Environments, 2012, 83, 15-24.	2.4	34
36	Carbon dioxide exchange processes over the grassland ecosystems in semiarid areas of China. Science China Earth Sciences, 2012, 55, 644-655.	5.2	16

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37	An improved simple snow-atmosphere-soil transfer model. Science China Earth Sciences, 2012, 55, 1206-1216.	5.2	2
38	Seasonal and inter-annual variation of surface roughness length and bulk transfer coefficients in a semiarid area. Science China Earth Sciences, 2012, 55, 254-261.	5.2	17
39	A review of water tank modeling of the convective atmospheric boundary layer. Journal of Wind Engineering and Industrial Aerodynamics, 2011, 99, 1099-1114.	3.9	18
40	Grazing effects on seasonal dynamics and interannual variabilities of spectral reflectance in semi-arid grassland in Inner Mongolia. Plant and Soil, 2011, 340, 169-180.	3.7	8
41	Numerical simulation of roll vortices in the convective boundary layer. Advances in Atmospheric Sciences, 2011, 28, 477-482.	4.3	4
42	Characteristics of Momentum and Heat Transfer over Semiarid Grasslands with Different Grazing Intensities in Inner Mongolia, China. Atmospheric and Oceanic Science Letters, 2011, 4, 264-269.	1.3	1
43	Roll Vortices in the Boundary Layer Caused by a Concave Wind Profile: A Theoretical Study. Atmospheric and Oceanic Science Letters, 2010, 3, 308-311.	1.3	0
44	Analytical Model of Roll Vortices in the Convective Boundary Layer. Boundary-Layer Meteorology, 2009, 130, 43-55.	2.3	4
45	Land-air interaction over arid/semi-arid areas in China and its impact on the east Asian summer monsoon. Part I: Calibration of the land surface model (BATS) using multicriteria methods. Advances in Atmospheric Sciences, 2009, 26, 1088-1098.	4.3	19
46	Relationships between surface albedo, soil thermal parameters and soil moisture in the semi-arid area of Tongyu, northeastern China. Advances in Atmospheric Sciences, 2008, 25, 757-764.	4.3	72
47	Three-year variations of water, energy and CO2 fluxes of cropland and degraded grassland surfaces in a semi-arid area of Northeastern China. Advances in Atmospheric Sciences, 2008, 25, 1009-1020.	4.3	32
48	Use of a land surface model to evaluate the observed soil moisture of grassland at the Tongyu reference site. Advances in Atmospheric Sciences, 2008, 25, 1073-1084.	4.3	2
49	Wind flow and wind loads on the surface of a towershaped building: Numerical simulations and wind tunnel experiment. Science in China Series D: Earth Sciences, 2008, 51, 103-113.	0.9	1
50	Three-year changes of surface albedo of degraded grassland and cropland surfaces in a semiarid area. Science Bulletin, 2008, 53, 1246-1254.	9.0	21
51	Surface characteristics of grasslands in Inner Mongolia as detected by micrometeorological measurements. International Journal of Biometeorology, 2008, 52, 563-574.	3.0	19
52	Effects of the conversion of marshland to cropland on water and energy exchanges in northeastern China. Journal of Hydrology, 2008, 355, 181-191.	5.4	34
53	Turbulent Flux Transfer over Bare-Soil Surfaces: Characteristics and Parameterization. Journal of Applied Meteorology and Climatology, 2008, 47, 276-290.	1.5	163
54	Sensitivity of Land Surface Simulations to Model Physics, Land Characteristics, and Forcings, at Four CEOP Sites. Journal of the Meteorological Society of Japan, 2007, 85A, 187-204.	1.8	97

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55	Numerical and experimental studies on flow and pollutant dispersion in urban street canyons. Advances in Atmospheric Sciences, 2007, 24, 111-125.	4.3	6
56	Water-tank experiment on the thermal circulation induced by the bottom heating in an asymmetric valley. Advances in Atmospheric Sciences, 2004, 21, 536-546.	4.3	4
57	Using a Modified Soil-Plant-Atmosphere Scheme (MSPAS) to simulate the interaction between land surface processes and atmospheric boundary layer in semi-arid regions. Advances in Atmospheric Sciences, 2004, 21, 245-259.	4.3	10
58	Analyses of turbulence parameters in the near-surface layer at Qamdo of the Southeastern Tibetan Plateau. Advances in Atmospheric Sciences, 2003, 20, 369-378.	4.3	16
59	Influences of structures on urban ventilation: A numerical experiment. Advances in Atmospheric Sciences, 2002, 19, 1045-1054.	4.3	5
60	Turbulence Spectra And Dissipation Rates Above And Within A Forest Canopy. Boundary-Layer Meteorology, 2001, 98, 83-102.	2.3	19
61	Observational and numerical studies of wintertime urban boundary layer. Journal of Wind Engineering and Industrial Aerodynamics, 2000, 87, 243-258.	3.9	41
62	Numerical Simulation of Wind Energy Characteristics in Jiangsu Coastal Area. Advanced Materials Research, 0, 347-353, 2156-2159.	0.3	3