

K Yang; Kun Yang

List of Publications by Year in descending order

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338
all docs

338
docs citations

338
times ranked

10130
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent climate changes over the Tibetan Plateau and their impacts on energy and water cycle: A review. <i>Global and Planetary Change</i> , 2014, 112, 79-91.	1.6	820
2	The first high-resolution meteorological forcing dataset for land process studies over China. <i>Scientific Data</i> , 2020, 7, 25.	2.4	712
3	Recent Third Pole's Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 423-444.	1.7	590
4	On downward shortwave and longwave radiations over high altitude regions: Observation and modeling in the Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 38-46.	1.9	494
5	Improving land surface temperature modeling for dry land of China. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	408
6	Evaporative cooling over the Tibetan Plateau induced by vegetation growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9299-9304.	3.3	404
7	Response of hydrological cycle to recent climate changes in the Tibetan Plateau. <i>Climatic Change</i> , 2011, 109, 517-534.	1.7	386
8	The altitudinal dependence of recent rapid warming over the Tibetan Plateau. <i>Climatic Change</i> , 2009, 97, 321-327.	1.7	338
9	Lake volume and groundwater storage variations in Tibetan Plateau's endorheic basin. <i>Geophysical Research Letters</i> , 2017, 44, 5550-5560.	1.5	305
10	The Tibetan Plateau observatory of plateau scale soil moisture and soil temperature (Tibet-Obs) for quantifying uncertainties in coarse resolution satellite and model products. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2303-2316.	1.9	304
11	A Multiscale Soil Moisture and Freeze-Thaw Monitoring Network on the Third Pole. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 1907-1916.	1.7	288
12	Improving estimation of hourly, daily, and monthly solar radiation by importing global data sets. <i>Agricultural and Forest Meteorology</i> , 2006, 137, 43-55.	1.9	274
13	Response of Tibetan Plateau lakes to climate change: Trends, patterns, and mechanisms. <i>Earth-Science Reviews</i> , 2020, 208, 103269.	4.0	259
14	Regional differences of lake evolution across China during 1960s-2015 and its natural and anthropogenic causes. <i>Remote Sensing of Environment</i> , 2019, 221, 386-404.	4.6	252
15	Evaluation of AMSR's retrievals and GLDAS simulations against observations of a soil moisture network on the central Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4466-4475.	1.2	250
16	A hybrid model for estimating global solar radiation. <i>Solar Energy</i> , 2001, 70, 13-22.	2.9	232
17	Response of inland lake dynamics over the Tibetan Plateau to climate change. <i>Climatic Change</i> , 2014, 125, 281-290.	1.7	225
18	Extensive and drastically different alpine lake changes on Asia's high plateaus during the past four decades. <i>Geophysical Research Letters</i> , 2017, 44, 252-260.	1.5	223

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19	Solar radiation trend across China in recent decades: a revisit with quality-controlled data. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 393-406.	1.9	196
20	Coherent lake growth on the central Tibetan Plateau since the 1970s: Characterization and attribution. <i>Journal of Hydrology</i> , 2013, 483, 61-67.	2.3	191
21	Spatial and temporal variations in the relationship between lake water surface temperatures and water quality - A case study of Dianchi Lake. <i>Science of the Total Environment</i> , 2018, 624, 859-871.	3.9	184
22	Climate change, vegetation history, and landscape responses on the Tibetan Plateau during the Holocene: A comprehensive review. <i>Quaternary Science Reviews</i> , 2020, 243, 106444.	1.4	180
23	Turbulent Flux Transfer over Bare-Soil Surfaces: Characteristics and Parameterization. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 276-290.	0.6	163
24	Temperature lapse rate in complex mountain terrain on the southern slope of the central Himalayas. <i>Theoretical and Applied Climatology</i> , 2013, 113, 671-682.	1.3	160
25	Spatial upscaling of in-situ soil moisture measurements based on MODIS-derived apparent thermal inertia. <i>Remote Sensing of Environment</i> , 2013, 138, 1-9.	4.6	156
26	The dependence of precipitation types on surface elevation and meteorological conditions and its parameterization. <i>Journal of Hydrology</i> , 2014, 513, 154-163.	2.3	156
27	Auto-calibration System Developed to Assimilate AMSR-E Data into a Land Surface Model for Estimating Soil Moisture and the Surface Energy Budget. <i>Journal of the Meteorological Society of Japan</i> , 2007, 85A, 229-242.	0.7	155
28	Observed Coherent Trends of Surface and Upper-Air Wind Speed over China since 1960. <i>Journal of Climate</i> , 2013, 26, 2891-2903.	1.2	150
29	Quality control and estimation of global solar radiation in China. <i>Solar Energy</i> , 2010, 84, 466-475.	2.9	146
30	Evaluation of snow depth and snow cover over the Tibetan Plateau in global reanalyses using in situ and satellite remote sensing observations. <i>Cryosphere</i> , 2019, 13, 2221-2239.	1.5	144
31	Some practical notes on the land surface modeling in the Tibetan Plateau. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 687-701.	1.9	137
32	Assessment of a distributed biosphere hydrological model against streamflow and MODIS land surface temperature in the upper Tone River Basin. <i>Journal of Hydrology</i> , 2009, 377, 21-34.	2.3	128
33	A temperature prediction-correction method for estimating surface soil heat flux from soil temperature and moisture data. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 721-729.	0.9	123
34	Improving the Noah Land Surface Model in Arid Regions with an Appropriate Parameterization of the Thermal Roughness Length. <i>Journal of Hydrometeorology</i> , 2010, 11, 995-1006.	0.7	123
35	Parameterizing soil organic carbon's impacts on soil porosity and thermal parameters for Eastern Tibet grasslands. <i>Science China Earth Sciences</i> , 2012, 55, 1001-1011.	2.3	120
36	Evaluation of evapotranspiration estimates for two river basins on the Tibetan Plateau by a water balance method. <i>Journal of Hydrology</i> , 2013, 492, 290-297.	2.3	120

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37	Simultaneous estimation of both soil moisture and model parameters using particle filtering method through the assimilation of microwave signal. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	119
38	Impact of model resolution on simulating the water vapor transport through the central Himalayas: implication for modelsâ€™ wet bias over the Tibetan Plateau. <i>Climate Dynamics</i> , 2018, 51, 3195-3207.	1.7	117
39	An Improvement of Roughness Height Parameterization of the Surface Energy Balance System (SEBS) over the Tibetan Plateau. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 607-622.	0.6	116
40	The International Soil Moisture Network: serving Earth system science for over a decade. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5749-5804.	1.9	116
41	Recent advances on the study of atmosphere-land interaction observations on the Tibetan Plateau. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 1103-1111.	1.9	115
42	Estimating continental river basin discharges using multiple remote sensing data sets. <i>Remote Sensing of Environment</i> , 2016, 179, 36-53.	4.6	115
43	Why Has the Inner Tibetan Plateau Become Wetter since the Mid-1990s?. <i>Journal of Climate</i> , 2020, 33, 8507-8522.	1.2	115
44	Estimating surface solar irradiance from satellites: Past, present, and future perspectives. <i>Remote Sensing of Environment</i> , 2019, 233, 111371.	4.6	109
45	Development of a distributed biosphere hydrological model and its evaluation with the Southern Great Plains Experiments (SGP97 and SGP99). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	108
46	Spatialâ€™Temporal Variation of Lake Surface Water Temperature and Its Driving Factors in Yunnanâ€™Guizhou Plateau. <i>Water Resources Research</i> , 2019, 55, 4688-4703.	1.7	108
47	High-resolution retrieval of cloud microphysical properties and surface solar radiation using Himawari-8/AHI next-generation geostationary satellite. <i>Remote Sensing of Environment</i> , 2020, 239, 111583.	4.6	106
48	Evaluation of SMAP, SMOS, and AMSR2 soil moisture retrievals against observations from two networks on the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5780-5792.	1.2	104
49	Investigation of near-global daytime boundary layer height using high-resolution radiosondes: first results and comparison with ERA5, MERRA-2, JRA-55, and NCEP-2 reanalyses. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17079-17097.	1.9	99
50	The Daytime Evolution of the Atmospheric Boundary Layer and Convection over the Tibetan Plateau: Observations and Simulations. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 1777-1792.	0.7	96
51	Nearâ€™surface air temperature lapse rates in the mainland China during 1962â€™2011. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7505-7515.	1.2	96
52	Summertime surface energy budget and ablation modeling in the ablation zone of a maritime Tibetan glacier. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	94
53	Estimation of monthly-mean daily global solar radiation based on MODIS and TRMM products. <i>Applied Energy</i> , 2011, 88, 2480-2489.	5.1	93
54	A simple and efficient algorithm to estimate daily global solar radiation from geostationary satellite data. <i>Energy</i> , 2011, 36, 3179-3188.	4.5	92

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55	Estimation of surface energy fluxes under complex terrain of Mt. Qomolangma over the Tibetan Plateau. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 1607-1618.	1.9	90
56	Spatial performance of multiple reanalysis precipitation datasets on the southern slope of central Himalaya. <i>Atmospheric Research</i> , 2021, 250, 105365.	1.8	86
57	Improvement of surface flux parametrizations with a turbulence-related length. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2002, 128, 2073-2087.	1.0	83
58	Can aerosol loading explain the solar dimming over the Tibetan Plateau?. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	83
59	Surface Flux Parameterization in the Tibetan Plateau. <i>Boundary-Layer Meteorology</i> , 2003, 106, 245-262.	1.2	82
60	Land surface model calibration through microwave data assimilation for improving soil moisture simulations. <i>Journal of Hydrology</i> , 2016, 533, 266-276.	2.3	82
61	Quantifying recent precipitation change and predicting lake expansion in the Inner Tibetan Plateau. <i>Climatic Change</i> , 2018, 147, 149-163.	1.7	82
62	Land-surface processes and summer-cloud-precipitation characteristics in the Tibetan Plateau and their effects on downstream weather: a review and perspective. <i>National Science Review</i> , 2020, 7, 500-515.	4.6	82
63	A general model to estimate hourly and daily solar radiation for hydrological studies. <i>Water Resources Research</i> , 2005, 41, .	1.7	81
64	Dam Construction in Lancang-Mekong River Basin Could Mitigate Future Flood Risk From Warming-Induced Intensified Rainfall. <i>Geophysical Research Letters</i> , 2017, 44, 10,378.	1.5	79
65	Retrieving high-resolution surface solar radiation with cloud parameters derived by combining MODIS and MTSAT data. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2543-2557.	1.9	78
66	Quantifying evaporation and its decadal change for Lake Nam Co, central Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7578-7591.	1.2	77
67	Development of a land surface model with coupled snow and frozen soil physics. <i>Water Resources Research</i> , 2017, 53, 5085-5103.	1.7	76
68	Validation of a Dual-Pass Microwave Land Data Assimilation System for Estimating Surface Soil Moisture in Semiarid Regions. <i>Journal of Hydrometeorology</i> , 2009, 10, 780-793.	0.7	75
69	Extreme Lake Level Changes on the Tibetan Plateau Associated With the 2015/2016 El Niño. <i>Geophysical Research Letters</i> , 2019, 46, 5889-5898.	1.5	75
70	Simulation of summer precipitation diurnal cycles over the Tibetan Plateau at the gray-zone grid spacing for cumulus parameterization. <i>Climate Dynamics</i> , 2020, 54, 3525-3539.	1.7	75
71	On the Climatology and Trend of the Atmospheric Heat Source over the Tibetan Plateau: An Experiments-Supported Revisit. <i>Journal of Climate</i> , 2011, 24, 1525-1541.	1.2	74
72	Spatiotemporal analysis of soil moisture observations within a Tibetan mesoscale area and its implication to regional soil moisture measurements. <i>Journal of Hydrology</i> , 2013, 482, 92-104.	2.3	73

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73	Progress in the study of oasis-desert interactions. <i>Agricultural and Forest Meteorology</i> , 2016, 230-231, 1-7.	1.9	73
74	The role of permafrost and soil water in distribution of alpine grassland and its NDVI dynamics on the Qinghai-Tibetan Plateau. <i>Global and Planetary Change</i> , 2016, 147, 40-53.	1.6	72
75	Interannual Variation of Summer Atmospheric Heat Source over the Tibetan Plateau and the Role of Convection around the Western Maritime Continent. <i>Journal of Climate</i> , 2016, 29, 121-138.	1.2	72
76	Lake seasonality across the Tibetan Plateau and their varying relationship with regional mass changes and local hydrology. <i>Geophysical Research Letters</i> , 2017, 44, 892-900.	1.5	72
77	Evaluation of multiple forcing data sets for precipitation and shortwave radiation over major land areas of China. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5805-5821.	1.9	72
78	Analysis on driving factors of lake surface water temperature for major lakes in Yunnan-Guizhou Plateau. <i>Water Research</i> , 2020, 184, 116018.	5.3	72
79	Evaluation of satellite estimates of downward shortwave radiation over the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	70
80	Seasonal evapotranspiration changes (1983–2006) of four large basins on the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,079.	1.2	70
81	A 16-year dataset (2000–2015) of high-resolution (3°h, 10°km) global surface solar radiation. <i>Earth System Science Data</i> , 2019, 11, 1905-1915.	3.7	69
82	Recent trends in surface sensible heat flux on the Tibetan Plateau. <i>Science China Earth Sciences</i> , 2011, 54, 19-28.	2.3	68
83	Synergy of orographic drag parameterization and high resolution greatly reduces biases of WRF-simulated precipitation in central Himalaya. <i>Climate Dynamics</i> , 2020, 54, 1729-1740.	1.7	67
84	High-performance textile piezoelectric pressure sensor with novel structural hierarchy based on ZnO nanorods array for wearable application. <i>Nano Research</i> , 2021, 14, 3969-3976.	5.8	66
85	Temporal and spatial analysis of COVID-19 transmission in China and its influencing factors. <i>International Journal of Infectious Diseases</i> , 2021, 105, 675-685.	1.5	66
86	A dual-pass variational data assimilation framework for estimating soil moisture profiles from AMSR microwave brightness temperature. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	65
87	Frozen soil parameterization in a distributed biosphere hydrological model. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 557-571.	1.9	65
88	Evaluation and application of a fine-resolution global data set in a semiarid mesoscale river basin with a distributed biosphere hydrological model. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	64
89	A first assessment of satellite and reanalysis estimates of surface and root-zone soil moisture over the permafrost region of Qinghai-Tibet Plateau. <i>Remote Sensing of Environment</i> , 2021, 265, 112666.	4.6	64
90	Evaluation of Precipitable Water Vapor from Four Satellite Products and Four Reanalysis Datasets against GPS Measurements on the Southern Tibetan Plateau. <i>Journal of Climate</i> , 2017, 30, 5699-5713.	1.2	63

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91	Characterizing precipitation in high altitudes of the western Tibetan plateau with a focus on major glacier areas. <i>International Journal of Climatology</i> , 2020, 40, 5114-5127.	1.5	63
92	Evaluation of GPM-Era Satellite Precipitation Products on the Southern Slopes of the Central Himalayas Against Rain Gauge Data. <i>Remote Sensing</i> , 2020, 12, 1836.	1.8	62
93	Inverse analysis of the role of soil vertical heterogeneity in controlling surface soil state and energy partition. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	61
94	An assessment of satellite surface radiation products for highlands with Tibet instrumental data. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	61
95	Improving the hydrology of the Simple Biosphere Model 2 and its evaluation within the framework of a distributed hydrological model. <i>Hydrological Sciences Journal</i> , 2009, 54, 989-1006.	1.2	61
96	Modeling the land surface water and energy cycles of a mesoscale watershed in the central Tibetan Plateau during summer with a distributed hydrological model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8857-8868.	1.2	60
97	MicroRNA-155 induction by <i>Mycobacterium bovis</i> BCG enhances ROS production through targeting SHIP1. <i>Molecular Immunology</i> , 2014, 62, 29-36.	1.0	60
98	Added value of kilometer-scale modeling over the third pole region: a CORDEX-CPTP pilot study. <i>Climate Dynamics</i> , 2021, 57, 1673-1687.	1.7	60
99	A New Benchmark for Surface Radiation Products over the East Asia–Pacific Region Retrieved from the Himawari-8/AHI Next-Generation Geostationary Satellite. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E873-E888.	1.7	60
100	An efficient physically based parameterization to derive surface solar irradiance based on satellite atmospheric products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4975-4988.	1.2	59
101	Impacts of wind stalling on solar radiation variability in China. <i>Scientific Reports</i> , 2015, 5, 15135.	1.6	56
102	Revisiting Recent Elevation-Dependent Warming on the Tibetan Plateau Using Satellite-Based Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8511-8521.	1.2	54
103	A downscaling approach for constructing high-resolution precipitation dataset over the Tibetan Plateau from ERA5 reanalysis. <i>Atmospheric Research</i> , 2021, 256, 105574.	1.8	53
104	The scale-dependence of SMOS soil moisture accuracy and its improvement through land data assimilation in the central Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2014, 152, 345-355.	4.6	51
105	Impact of urban expansion on vegetation: The case of China (2000–2018). <i>Journal of Environmental Management</i> , 2021, 291, 112598.	3.8	51
106	Development of a 50-year daily surface solar radiation dataset over China. <i>Science China Earth Sciences</i> , 2013, 56, 1555-1565.	2.3	49
107	Evaluating and Improving the Performance of Three 1D Lake Models in a Large Deep Lake of the Central Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3143-3167.	1.2	49
108	Local changes in snow depth dominate the evolving pattern of elevation-dependent warming on the Tibetan Plateau. <i>Science Bulletin</i> , 2021, 66, 1146-1150.	4.3	49

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109	On the behaviour of the tropopause folding events over the Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5113-5122.	1.9	48
110	Comparison of Downscaled Precipitation Data over a Mountainous Watershed: A Case Study in the Heihe River Basin. <i>Journal of Hydrometeorology</i> , 2014, 15, 1560-1574.	0.7	48
111	Implementation of a turbulent orographic form drag scheme in WRF and its application to the Tibetan Plateau. <i>Climate Dynamics</i> , 2018, 50, 2443-2455.	1.7	48
112	Assessment of 24 soil moisture datasets using a new in situ network in the Shandian River Basin of China. <i>Remote Sensing of Environment</i> , 2022, 271, 112891.	4.6	47
113	Analytical Solution of Surface Layer Similarity Equations. <i>Journal of Applied Meteorology and Climatology</i> , 2001, 40, 1647-1653.	1.7	45
114	Assessing the impacts of an ecological water diversion project on water consumption through high-resolution estimations of actual evapotranspiration in the downstream regions of the Heihe River Basin, China. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 210-227.	1.9	45
115	Does ERA5 outperform satellite products in estimating atmospheric downward longwave radiation at the surface?. <i>Atmospheric Research</i> , 2021, 252, 105453.	1.8	45
116	Estimating surface solar radiation from upper-air humidity. <i>Solar Energy</i> , 2002, 72, 177-186.	2.9	44
117	Analysis of the Surface Energy Budget at a Site of GAME/Tibet using a Single-Source Model. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 131-153.	0.7	44
118	Impact of soil freeze-thaw mechanism on the runoff dynamics of two Tibetan rivers. <i>Journal of Hydrology</i> , 2018, 563, 382-394.	2.3	44
119	Community Integrated Earth System Model (CIESM): Description and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002036.	1.3	44
120	A long term global daily soil moisture dataset derived from AMSR-E and AMSR2 (2002â€“2019). <i>Scientific Data</i> , 2021, 8, 143.	2.4	44
121	High-Resolution Land Surface Modeling of Hydrological Changes Over the Sanjiangyuan Region in the Eastern Tibetan Plateau: 1. Model Development and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2806-2828.	1.3	43
122	Estimation of Surface Shortwave Radiation From Himawari-8 Satellite Data Based on a Combination of Radiative Transfer and Deep Neural Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 5304-5316.	2.7	43
123	Method Development for Estimating Sensible Heat Flux over the Tibetan Plateau from CMA Data. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 2474-2486.	0.6	41
124	A time-series analysis of urbanization-induced impervious surface area extent in the Dianchi Lake watershed from 1988â€“2017. <i>International Journal of Remote Sensing</i> , 2019, 40, 573-592.	1.3	41
125	Characterizing Surface Albedo of Shallow Fresh Snow and Its Importance for Snow Ablation on the Interior of the Tibetan Plateau. <i>Journal of Hydrometeorology</i> , 2020, 21, 815-827.	0.7	41
126	Critical Evaluation of Scalar Roughness Length Parametrizations Over a Melting Valley Glacier. <i>Boundary-Layer Meteorology</i> , 2011, 139, 307-332.	1.2	40

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127	Tibetan Plateau Impacts on Global Dust Transport in the Upper Troposphere. <i>Journal of Climate</i> , 2018, 31, 4745-4756.	1.2	40
128	Development of a daily soil moisture product for the period of 2002–2011 in Chinese mainland. <i>Science China Earth Sciences</i> , 2020, 63, 1113-1125.	2.3	40
129	Development of an enthalpy-based frozen soil model and its validation in a cold region in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5259-5280.	1.2	39
130	Improving snow process modeling with satellite-based estimation of near-surface air temperature lapse rate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,005.	1.2	39
131	Mechanisms of the decadal variability of monsoon rainfall in the southern Tibetan Plateau. <i>Environmental Research Letters</i> , 2021, 16, 014011.	2.2	39
132	A China-Japan Cooperative JICA Atmospheric Observing Network over the Tibetan Plateau (JICA/Tibet) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	37
133	Evaluation of Noah Frozen Soil Parameterization for Application to a Tibetan Meadow Ecosystem. <i>Journal of Hydrometeorology</i> , 2017, 18, 1749-1763.	0.7	37
134	The Evaluation of SMAP Enhanced Soil Moisture Products Using High-Resolution Model Simulations and In-Situ Observations on the Tibetan Plateau. <i>Remote Sensing</i> , 2018, 10, 535.	1.8	37
135	Dynamical impact of parameterized turbulent orographic form drag on the simulation of winter precipitation over the western Tibetan Plateau. <i>Climate Dynamics</i> , 2019, 53, 707-720.	1.7	37
136	Spatial–temporal variations in urbanization in Kunming and their impact on urban lake water quality. <i>Land Degradation and Development</i> , 2020, 31, 1392-1407.	1.8	37
137	Decision support for dam release during floods using a distributed biosphere hydrological model driven by quantitative precipitation forecasts. <i>Water Resources Research</i> , 2010, 46, .	1.7	36
138	Similarities and differences of aerosol optical properties between southern and northern sides of the Himalayas. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3133-3149.	1.9	36
139	Characterizing the features of precipitation for the Tibetan Plateau among four gridded datasets: Detection accuracy and spatio-temporal variabilities. <i>Atmospheric Research</i> , 2021, 264, 105875.	1.8	36
140	Comparison of the Spatial Characteristics of Four Remotely Sensed Leaf Area Index Products over China: Direct Validation and Relative Uncertainties. <i>Remote Sensing</i> , 2018, 10, 148.	1.8	35
141	Mesenchymal stem cells detect and defend against gammaherpesvirus infection via the cGAS-STING pathway. <i>Scientific Reports</i> , 2015, 5, 7820.	1.6	34
142	Detecting Long-Term Trends in Precipitable Water over the Tibetan Plateau by Synthesis of Station and MODIS Observations*. <i>Journal of Climate</i> , 2015, 28, 1707-1722.	1.2	32
143	Optimal Dam Operation during Flood Season Using a Distributed Hydrological Model and a Heuristic Algorithm. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 580-586.	0.8	31
144	Hierarchical Bayesian space-time estimation of monthly maximum and minimum surface air temperature. <i>Remote Sensing of Environment</i> , 2018, 211, 48-58.	4.6	31

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145	Can plastic mulch save water at night in irrigated croplands?. <i>Journal of Hydrology</i> , 2018, 564, 667-681.	2.3	31
146	Development and Evaluation of an Ensemble-Based Data Assimilation System for Regional Reanalysis Over the Tibetan Plateau and Surrounding Regions. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2503-2522.	1.3	31
147	Satellite data reveal southwestern Tibetan plateau cooling since 2001 due to snow-albedo feedback. <i>International Journal of Climatology</i> , 2020, 40, 1644-1655.	1.5	31
148	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <i>Geoscientific Model Development</i> , 2021, 14, 4465-4494.	1.3	31
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