Qian Li

List of Publications by Year
in descending order

42 papers	1,467 citations	394286 19 h-index	330025 37 g-index
44 all docs	44 docs citations	44 times ranked	1938 citing authors

#	ARTICLE	IF	CITATIONS
1	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. Bulletin of the American Meteorological Society, 2019, 100, 423-444.	1.7	590
2	Impact of drought on agriculture in the Indo-Gangetic Plain, India. Advances in Atmospheric Sciences, 2017, 34, 335-346.	1.9	69
3	Spring Land Surface and Subsurface Temperature Anomalies and Subsequent Downstream Late Spring‐Summer Droughts/Floods in North America and East Asia. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5001-5019.	1.2	65
4	Transport of Asian surface pollutants to the global stratosphere from the Tibetan Plateau region during the Asian summer monsoon. National Science Review, 2020, 7, 516-533.	4.6	63
5	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. Vadose Zone Journal, 2019, 18, 1-53.	1.3	56
6	Changes in Arable Land Demand for Food in India and China: A Potential Threat to Food Security. Sustainability, 2015, 7, 5371-5397.	1.6	50
7	Spatiotemporal variability of the precipitation concentration and diversity in Central Asia. Atmospheric Research, 2020, 241, 104954.	1.8	50
8	Analyses and development of a hierarchy of frozen soil models for cold region study. Journal of Geophysical Research, 2010, 115, .	3.3	41
9	Changes in Snow Phenology from 1979 to 2016 over the Tianshan Mountains, Central Asia. Remote Sensing, 2019, 11, 499.	1.8	32
10	Simulated impacts of land cover change on summer climate in the Tibetan Plateau. Environmental Research Letters, 2010, 5, 015102.	2.2	31
11	Computational uncertainty and the application of a high-performance multiple precision scheme to obtaining the correct reference solution of Lorenz equations. Numerical Algorithms, 2012, 59, 147-159.	1.1	30
12	Patterns in snow depth maximum and snow cover days during 1961–2015 period in the Tianshan Mountains, Central Asia. Atmospheric Research, 2019, 228, 14-22.	1.8	28
13	Soil moisture response to rainfall in forestland and vegetable plot in Taihu Lake Basin, China. Chinese Geographical Science, 2015, 25, 426-437.	1.2	27
14	Development of the universal and simplified soil model coupling heat and water transport. Science in China Series D: Earth Sciences, 2008, 51, 88-102.	0.9	26
15	Snow depth reconstruction over last century: Trend and distribution in the Tianshan Mountains, China. Global and Planetary Change, 2019, 173, 73-82.	1.6	26
16	Dynamical downscaling the impact of spring Western US land surface temperature on the 2015 flood extremes at the Southern Great Plains: effect of domain choice, dynamic cores and land surface parameterization. Climate Dynamics, 2019, 53, 1039-1061.	1.7	22
17	Improving snow simulation with more realistic vegetation parameters in a regional climate model in the Tianshan Mountains, Central Asia. Journal of Hydrology, 2020, 590, 125525.	2.3	22
18	The numerical scheme development of a simplified frozen soil model. Advances in Atmospheric Sciences, 2009, 26, 940-950.	1.9	21

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19	Spatiotemporal variability of snowfall and its concentration in northern Xinjiang, Northwest China. Theoretical and Applied Climatology, 2020, 139, 1247-1259.	1.3	20
20	<scp>CMIP5</scp> multimodel projections of extreme weather events inÂthe humid subtropical Gangetic Plain region of India. Earth's Future, 2017, 5, 224-239.	2.4	19
21	Spatiotemporal Variation of Snowfall to Precipitation Ratio and Its Implication on Water Resources by a Regional Climate Model over Xinjiang, China. Water (Switzerland), 2018, 10, 1463.	1.2	16
22	Spatial-temporal characteristics and influencing factors of relative humidity in arid region of Northwest China during 1966â€"2017. Journal of Arid Land, 2020, 12, 397-412.	0.9	15
23	Investigation of the Variability of Nearâ€Surface Temperature Anomaly and Its Causes Over the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032800.	1.2	14
24	Impact of different microphysics and cumulus parameterizations in WRF for heavy rainfall simulations in the central segment of the Tianshan Mountains, China. Atmospheric Research, 2020, 244, 105052.	1.8	14
25	Vertical distributions of soil carbon and nitrogen fractions as affected by land-uses in the Ili River Valley. Chemistry and Ecology, 2017, 33, 143-155.	0.6	13
26	Evaluation of snow depth and snow cover represented by multiple datasets over the Tianshan Mountains: Remote sensing, reanalysis, and simulation. International Journal of Climatology, 2022, 42, 4223-4239.	1.5	12
27	Summer SST anomalies in the Indian Ocean and the seasonal timing of ENSO decay phase. Climate Dynamics, 2016, 47, 1827-1844.	1.7	11
28	The impact of cut-off lows on ozone in the upper troposphere and lower stratosphere over Changchun from ozonesonde observations. Advances in Atmospheric Sciences, 2016, 33, 135-150.	1.9	11
29	Variation of Snow Mass in a Regional Climate Model Downscaling Simulation Covering the Tianshan Mountains, Central Asia. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034183.	1.2	11
30	Improvement of a snow albedo parameterization in the Snowâ€"Atmosphereâ€"Soil Transfer model: evaluation of impacts of aerosol on seasonal snow cover. Advances in Atmospheric Sciences, 2017, 34, 1333-1345.	1.9	8
31	Tree-Ring Width and Carbon Isotope Chronologies Track Temperature, Humidity, and Baseflow in the Tianshan Mountains, Central Asia. Forests, 2020, 11, 1308.	0.9	7
32	Snowfall climatology in the Tianshan Mountains based on 36 cold seasons of WRF dynamical downscaling simulation. Atmospheric Research, 2022, 270, 106057.	1.8	7
33	The role of stationary and transient planetary waves in the maintenance of stratospheric polar vortex regimes in Northern Hemisphere winter. Advances in Atmospheric Sciences, 2011, 28, 187-194.	1.9	6
34	Analysis of euphotic depth in snow with SNICAR transfer scheme. Atmospheric Science Letters, 2017, 18, 484-490.	0.8	5
35	Understanding the Representativeness of Tree Rings and Their Carbon Isotopes in Characterizing the Climate Signal of Tajikistan. Forests, 2021, 12, 1215.	0.9	5
36	Impact of forcing data and land surface properties on snow simulation in a regional climate model: a case study over the Tianshan Mountains, Central Asia. Journal of Mountain Science, 2021, 18, 3147-3164.	0.8	5

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37	The model study of water mass and energy exchange between the inland water body and atmosphere. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1010-1021.	0.2	4
38	Evaluation of spatiotemporal variability of temperature and precipitation over the Karakoram Highway region during the cold season by a Regional Climate Model. Journal of Mountain Science, 2020, 17, 2108-2122.	0.8	4
39	Quantitative assessment of the parameterization sensitivity of the WRF/Noah-MP model of snow dynamics in the Tianshan Mountains, Central Asia. Atmospheric Research, 2022, 277, 106310.	1.8	4
40	The observed and simulated major summer climate features in northwest China and their sensitivity to land surface processes. Journal of Meteorological Research, 2014, 28, 836-848.	0.9	3
41	Observed and simulated features of the CO_2 diurnal cycle in the boundary layer at Beijing and Hefei, China. Science Bulletin, 2014, 59, 1529-1535.	1.7	3
42	Reference evapotranspiration concentration and its relationship with precipitation concentration at southern and northern slopes of Tianshan Mountains, China. Journal of Mountain Science, 2019, 16, 1381-1395.	0.8	0