

Qian Li

List of Publications by Year in descending order

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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	Evaluation of snow depth and snow cover represented by multiple datasets over the Tianshan Mountains: Remote sensing, reanalysis, and simulation. <i>International Journal of Climatology</i> , 2022, 42, 4223-4239.	1.5	12
2	Snowfall climatology in the Tianshan Mountains based on 36 cold seasons of WRF dynamical downscaling simulation. <i>Atmospheric Research</i> , 2022, 270, 106057.	1.8	7
3	Quantitative assessment of the parameterization sensitivity of the WRF/Noah-MP model of snow dynamics in the Tianshan Mountains, Central Asia. <i>Atmospheric Research</i> , 2022, 277, 106310.	1.8	4
4	Variation of Snow Mass in a Regional Climate Model Downscaling Simulation Covering the Tianshan Mountains, Central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034183.	1.2	11
5	Understanding the Representativeness of Tree Rings and Their Carbon Isotopes in Characterizing the Climate Signal of Tajikistan. <i>Forests</i> , 2021, 12, 1215.	0.9	5
6	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. <i>Journal of Mountain Science</i> , 2021, 18, 3147-3164.	0.8	5
7	Spatiotemporal variability of snowfall and its concentration in northern Xinjiang, Northwest China. <i>Theoretical and Applied Climatology</i> , 2020, 139, 1247-1259.	1.3	20
8	Investigation of the Variability of Near-Surface Temperature Anomaly and Its Causes Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032800.	1.2	14
9	Evaluation of spatiotemporal variability of temperature and precipitation over the Karakoram Highway region during the cold season by a Regional Climate Model. <i>Journal of Mountain Science</i> , 2020, 17, 2108-2122.	0.8	4
10	Tree-Ring Width and Carbon Isotope Chronologies Track Temperature, Humidity, and Baseflow in the Tianshan Mountains, Central Asia. <i>Forests</i> , 2020, 11, 1308.	0.9	7
11	Spatiotemporal variability of the precipitation concentration and diversity in Central Asia. <i>Atmospheric Research</i> , 2020, 241, 104954.	1.8	50
12	Spatial-temporal characteristics and influencing factors of relative humidity in arid region of Northwest China during 1966–2017. <i>Journal of Arid Land</i> , 2020, 12, 397-412.	0.9	15
13	Transport of Asian surface pollutants to the global stratosphere from the Tibetan Plateau region during the Asian summer monsoon. <i>National Science Review</i> , 2020, 7, 516-533.	4.6	63
14	Impact of different microphysics and cumulus parameterizations in WRF for heavy rainfall simulations in the central segment of the Tianshan Mountains, China. <i>Atmospheric Research</i> , 2020, 244, 105052.	1.8	14
15	Improving snow simulation with more realistic vegetation parameters in a regional climate model in the Tianshan Mountains, Central Asia. <i>Journal of Hydrology</i> , 2020, 590, 125525.	2.3	22
16	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. <i>Vadose Zone Journal</i> , 2019, 18, 1-53.	1.3	56
17	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. <i>Climate Dynamics</i> , 2019, 53, 1039-1061.	1.7	22
18	Reference evapotranspiration concentration and its relationship with precipitation concentration at southern and northern slopes of Tianshan Mountains, China. <i>Journal of Mountain Science</i> , 2019, 16, 1381-1395.	0.8	0

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19	Patterns in snow depth maximum and snow cover days during 1961–2015 period in the Tianshan Mountains, Central Asia. <i>Atmospheric Research</i> , 2019, 228, 14-22.	1.8	28
20	Changes in Snow Phenology from 1979 to 2016 over the Tianshan Mountains, Central Asia. <i>Remote Sensing</i> , 2019, 11, 499.	1.8	32
21	Snow depth reconstruction over last century: Trend and distribution in the Tianshan Mountains, China. <i>Global and Planetary Change</i> , 2019, 173, 73-82.	1.6	26
22	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
23	Spring Land Surface and Subsurface Temperature Anomalies and Subsequent Downstream Late Spring’s Summer Droughts/Floods in North America and East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5001-5019.	1.2	65
24	Spatiotemporal Variation of Snowfall to Precipitation Ratio and Its Implication on Water Resources by a Regional Climate Model over Xinjiang, China. <i>Water (Switzerland)</i> , 2018, 10, 1463.	1.2	16
25	Vertical distributions of soil carbon and nitrogen fractions as affected by land-uses in the Ili River Valley. <i>Chemistry and Ecology</i> , 2017, 33, 143-155.	0.6	13
26	Impact of drought on agriculture in the Indo-Gangetic Plain, India. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 335-346.	1.9	69
27	<sc>CMIP5</sc> multimodel projections of extreme weather events in the humid subtropical Gangetic Plain region of India. <i>Earth’s Future</i> , 2017, 5, 224-239.	2.4	19
28	Improvement of a snow albedo parameterization in the Snow–Atmosphere–Soil Transfer model: evaluation of impacts of aerosol on seasonal snow cover. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1333-1345.	1.9	8
29	Analysis of euphotic depth in snow with SNICAR transfer scheme. <i>Atmospheric Science Letters</i> , 2017, 18, 484-490.	0.8	5
30	Summer SST anomalies in the Indian Ocean and the seasonal timing of ENSO decay phase. <i>Climate Dynamics</i> , 2016, 47, 1827-1844.	1.7	11
31	The impact of cut-off lows on ozone in the upper troposphere and lower stratosphere over Changchun from ozonesonde observations. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 135-150.	1.9	11
32	Changes in Arable Land Demand for Food in India and China: A Potential Threat to Food Security. <i>Sustainability</i> , 2015, 7, 5371-5397.	1.6	50
33	Soil moisture response to rainfall in forestland and vegetable plot in Taihu Lake Basin, China. <i>Chinese Geographical Science</i> , 2015, 25, 426-437.	1.2	27
34	The observed and simulated major summer climate features in northwest China and their sensitivity to land surface processes. <i>Journal of Meteorological Research</i> , 2014, 28, 836-848.	0.9	3
35	Observed and simulated features of the CO ₂ diurnal cycle in the boundary layer at Beijing and Hefei, China. <i>Science Bulletin</i> , 2014, 59, 1529-1535.	1.7	3
36	Computational uncertainty and the application of a high-performance multiple precision scheme to obtaining the correct reference solution of Lorenz equations. <i>Numerical Algorithms</i> , 2012, 59, 147-159.	1.1	30

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37	The role of stationary and transient planetary waves in the maintenance of stratospheric polar vortex regimes in Northern Hemisphere winter. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 187-194.	1.9	6
38	Simulated impacts of land cover change on summer climate in the Tibetan Plateau. <i>Environmental Research Letters</i> , 2010, 5, 015102.	2.2	31
39	Analyses and development of a hierarchy of frozen soil models for cold region study. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	41
40	The numerical scheme development of a simplified frozen soil model. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 940-950.	1.9	21
41	Development of the universal and simplified soil model coupling heat and water transport. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 88-102.	0.9	26
42	The model study of water mass and energy exchange between the inland water body and atmosphere. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 1010-1021.	0.2	4