

Qian Li

List of Publications by Year in descending order

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42
papers

1,467
citations

394421

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330143

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docs citations

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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. | 3.5 | 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. | 4.1 | 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. | 4.1 | 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. | 3.3 | 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. | 2.1 | 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. | 2.0 | 5 |
| 7 | Spatiotemporal variability of snowfall and its concentration in northern Xinjiang, Northwest China. <i>Theoretical and Applied Climatology</i> , 2020, 139, 1247-1259. | 2.8 | 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. | 3.3 | 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. | 2.0 | 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. | 2.1 | 7 |
| 11 | Spatiotemporal variability of the precipitation concentration and diversity in Central Asia. <i>Atmospheric Research</i> , 2020, 241, 104954. | 4.1 | 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. | 2.3 | 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. | 9.5 | 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. | 4.1 | 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. | 5.4 | 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. | 2.2 | 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. | 3.8 | 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. | 2.0 | 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. | 4.1 | 28 |
| 20 | Changes in Snow Phenology from 1979 to 2016 over the Tianshan Mountains, Central Asia. <i>Remote Sensing</i> , 2019, 11, 499. | 4.0 | 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. | 3.5 | 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. | 3.3 | 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. | 3.3 | 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. | 2.7 | 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. | 1.6 | 13 |
| 26 | Impact of drought on agriculture in the Indo-Gangetic Plain, India. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 335-346. | 4.3 | 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. | 6.3 | 19 |
| 28 | Improvement of a snow albedo parameterization in the Snow’s Atmosphere’s Soil Transfer model: evaluation of impacts of aerosol on seasonal snow cover. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1333-1345. | 4.3 | 8 |
| 29 | Analysis of euphotic depth in snow with SNICAR transfer scheme. <i>Atmospheric Science Letters</i> , 2017, 18, 484-490. | 1.9 | 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. | 3.8 | 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. | 4.3 | 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. | 3.2 | 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. | 3.0 | 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. | 2.4 | 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. | 1.9 | 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. | 4.3 | 6 |
| 38 | Simulated impacts of land cover change on summer climate in the Tibetan Plateau. <i>Environmental Research Letters</i> , 2010, 5, 015102. | 5.2 | 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. | 4.3 | 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 |