Lan-hai Li

List of Publications by Year
in descending order

83	2,406	201575	233338
papers	citations	27 h-index	45 g-index

85	85	85	2475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temporal-spatial variations of vegetation cover and surface soil moisture in the growing season across the mountain-oasis-desert system in Xinjiang, China. Geocarto International, 2022, 37, 3912-3940.	1.7	4
2	Responses of cotton photosynthesis and growth to a new irrigation control method under deficit irrigation. Field Crops Research, 2022, 275, 108373.	2.3	4
3	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
4	Snowfall climatology in the Tianshan Mountains based on 36 cold seasons of WRF dynamical downscaling simulation. Atmospheric Research, 2022, 270, 106057.	1.8	7
5	Spatio-Temporal Heterogeneity of Climate Warming in the Chinese Tianshan Mountainous Region. Water (Switzerland), 2022, 14, 199.	1.2	7
6	Optimizing Irrigation Strategies to Improve Water Use Efficiency of Cotton in Northwest China Using RZWQM2. Agriculture (Switzerland), 2022, 12, 383.	1.4	11
7	Projected change in precipitation forms in the Chinese Tianshan Mountains based on the Back Propagation Neural Network Model. Journal of Mountain Science, 2022, 19, 689-703.	0.8	3
8	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
9	Changes in soil carbon and nitrogen stocks following degradation of alpine grasslands on the <scp>Qinghaiâ€Tibetan</scp> Plateau: A metaâ€analysis. Land Degradation and Development, 2021, 32, 1262-1273.	1.8	25
10	Characteristics and hazards of different snow avalanche types in a continental snow climate region in the Central Tianshan Mountains. Journal of Arid Land, 2021, 13, 317-331.	0.9	8
11	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
12	Timing and identification of potential snow avalanche types: a case study of the central Tianshan Mountains. Landslides, 2021, 18, 3845-3856.	2.7	7
13	Mapping snow avalanche debris by object-based classification in mountainous regions from Sentinel-1 images and causative indices. Catena, 2021, 206, 105559.	2.2	10
14	Integrated Geospatial Analysis and Hydrological Modeling for Peak Flow and Volume Simulation in Rwanda. Water (Switzerland), 2021, 13, 2926.	1.2	11
15	Impact of Winter Snowfall on Vegetation Greenness in Central Asia. Remote Sensing, 2021, 13, 4205.	1.8	5
16	Application of the Adapted Approach for Crop Management Factor to Assess Soil Erosion Risk in an Agricultural Area of Rwanda. Land, 2021, 10, 1056.	1.2	5
17	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
18	Landslide susceptibility and influencing factors analysis in Rwanda. Environment, Development and Sustainability, 2020, 22, 7985-8012.	2.7	51

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19	Changes in soil labile and recalcitrant carbon pools after land-use change in a semi-arid agro-pastoral ecotone in Central Asia. Ecological Indicators, 2020, 110, 105925.	2.6	41
20	Spatiotemporal variability of snowfall and its concentration in northern Xinjiang, Northwest China. Theoretical and Applied Climatology, 2020, 139, 1247-1259.	1.3	20
21	Automatic Detection of Regional Snow Avalanches with Scattering and Interference of C-band SAR Data. Remote Sensing, 2020, 12, 2781.	1.8	11
22	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
23	How does grazing exclusion influence plant productivity and community structure in alpine grasslands of the Qinghai-Tibetan Plateau?. Global Ecology and Conservation, 2020, 23, e01066.	1.0	23
24	Performance and uncertainty analysis of a short-term climate reconstruction based on multi-source data in the Tianshan Mountains region, China. Journal of Arid Land, 2020, 12, 374-396.	0.9	4
25	Evaluation of a new irrigation decision support system in improving cotton yield and water productivity in an arid climate. Agricultural Water Management, 2020, 234, 106139.	2.4	34
26	Spatiotemporal variability of the precipitation concentration and diversity in Central Asia. Atmospheric Research, 2020, 241, 104954.	1.8	50
27	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
28	Does Grazing Exclusion Improve Soil Carbon and Nitrogen Stocks in Alpine Grasslands on the Qinghai-Tibetan Plateau? A Meta-Analysis. Sustainability, 2020, 12, 977.	1.6	13
29	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
30	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
31	Estimating landslides vulnerability in Rwanda using analytic hierarchy process and geographic information system. Integrated Environmental Assessment and Management, 2019, 15, 364-373.	1.6	14
32	Heavy metals uptake and transport by native wild plants: implications for phytoremediation and restoration. Environmental Earth Sciences, 2019, 78, 1.	1.3	25
33	Flood susceptibility modeling and hazard perception in Rwanda. International Journal of Disaster Risk Reduction, 2019, 38, 101211.	1.8	72
34	Change in the spatiotemporal pattern of snowfall during the cold season under climate change in a snowâ€dominated region of China. International Journal of Climatology, 2019, 39, 5702-5719.	1.5	13
35	Simulating impacts of climate change on cotton yield and water requirement using RZWQM2. Agricultural Water Management, 2019, 222, 231-241.	2.4	49
36	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

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37	Patterns in snow depth maximum and snow cover days during 1961â€“2015 period in the Tianshan Mountains, Central Asia. Atmospheric Research, 2019, 228, 14-22.	1.8	28
38	Changes in Snow Phenology from 1979 to 2016 over the Tianshan Mountains, Central Asia. Remote Sensing, 2019, 11, 499.	1.8	32
39	Landslides Hazard Mapping in Rwanda Using Bivariate Statistical Index Method. Environmental Engineering Science, 2019, 36, 892-902.	0.8	13
40	A Model-Based Real-Time Decision Support System for Irrigation Scheduling to Improve Water Productivity. Agronomy, 2019, 9, 686.	1.3	26
41	Environmental factors influencing snowfall and snowfall prediction in the Tianshan Mountains, Northwest China. Journal of Arid Land, 2019, 11, 15-28.	0.9	17
42	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
43	Impact of biochar application on yield-scaled greenhouse gas intensity: A meta-analysis. Science of the Total Environment, 2019, 656, 969-976.	3.9	113
44	Land-use change affects stocks and stoichiometric ratios of soil carbon, nitrogen, and phosphorus in a typical agro-pastoral region of northwest China. Journal of Soils and Sediments, 2018, 18, 3167-3176.	1.5	26
45	Dynamics of soil carbon and nitrogen stocks after afforestation in arid and semi-arid regions: A meta-analysis. Science of the Total Environment, 2018, 618, 1658-1664.	3.9	84
46	Extent of disaster courses delivery for the risk reduction in Rwanda. International Journal of Disaster Risk Reduction, 2018, 27, 127-132.	1.8	14
47	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
48	Avalanche activity and characteristics of its triggering factors in the western Tianshan Mountains, China. Journal of Mountain Science, 2018, 15, 1397-1411.	0.8	22
49	Temporal-spatial variations and influencing factors of vegetation cover in Xinjiang from 1982 to 2013 based on GIMMS-NDVI3g. Global and Planetary Change, 2018, 169, 145-155.	1.6	85
50	Early alert and community involvement: approach for disaster risk reduction in Rwanda. Natural Hazards, 2017, 86, 505-517.	1.6	25
51	Land-use impacts on profile distribution of labile and recalcitrant carbon in the Ili River Valley, northwest China. Science of the Total Environment, 2017, 586, 1038-1045.	3.9	30
52	Streamflow Pattern Variations Resulting from Future Climate Change in Middle Tianshan Mountains Region in China. , 2017, , .		2
53	Simulation of water scarcity in a leap-forward developing arid region: a system dynamics model of Xinjiang Uygur Autonomous Region. Water Policy, 2017, 19, 741-757.	0.7	8
54	Estimating Snow Depth Using Multi-Source Data Fusion Based on the D-InSAR Method and 3DVAR Fusion Algorithm. Remote Sensing, 2017, 9, 1195.	1.8	20

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55	Sensitivity of runoff to climatic variability in the northern and southern slopes of the Middle Tianshan Mountains, China. Journal of Arid Land, 2016, 8, 681-693.	0.9	18
56	Interdecadal variations of pan-evaporation at the southern and northern slopes of the Tianshan Mountains, China. Journal of Arid Land, 2016, 8, 832-845.	0.9	5
57	Water-level regulation for freshwater management of Bosten Lake in Xinjiang, China. Water Science and Technology: Water Supply, 2016, 16, 828-836.	1.0	10
58	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. Stochastic Environmental Research and Risk Assessment, 2016, 30, 59-75.	1.9	55
59	Characterizing the accumulation of various heavy metals in native plants growing around an old antimony mine. Human and Ecological Risk Assessment (HERA), 2016, 22, 882-898.	1.7	10
60	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. , 2016, 30, 59.		3
61	Variation of the proportion of precipitation occurring as snow in the Tian Shan Mountains, China. International Journal of Climatology, 2015, 35, 1379-1393.	1.5	79
62	Concentrations of Heavy Metals and Arsenic in Market Rice Grain and Their Potential Health Risks to the Population of Fuzhou, China. Human and Ecological Risk Assessment (HERA), 2015, 21, 117-128.	1.7	40
63	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. Environmental Earth Sciences, 2015, 74, 2499-2510.	1.3	62
64	A comparison of the potential health risk of aluminum and heavy metals in tea leaves and tea infusion of commercially available green tea in Jiangxi, China. Environmental Monitoring and Assessment, 2015, 187, 228.	1.3	70
65	Temporal and spatial variation of 10-day mean air temperature in Northwestern China. Theoretical and Applied Climatology, 2015, 119, 285-298.	1.3	4
66	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. , 2015, 74, 2499.		3
67	Simulation of Snow Ablation Processes in the Upstream of Kunes River, Yili Valley, Xinjiang. , 2015, , .		0
68	A survey on the heavy metal contents in Chinese traditional egg products and their potential health risk assessment. Food Additives and Contaminants: Part B Surveillance, 2014, 7, 99-105.	1.3	31
69	Detection of QTL on panicle number in rice (Oryza sativa L.) under different densities with single segment substitution lines. Euphytica, 2014, 195, 355-368.	0.6	6
70	A system dynamics approach for water resources policy analysis in arid land: a model for Manas River Basin. Journal of Arid Land, 2013, 5, 118-131.	0.9	34
71	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. Water Resources Management, 2013, 27, 3085-3101.	1.9	120
72	Reconstruction of hydrometeorological time series and its uncertainties for the Kaidu River Basin using multiple data sources. Theoretical and Applied Climatology, 2013, 113, 45-62.	1.3	11

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73	Incorporating accumulated temperature and algorithm of snow cover calculation into the snowmelt runoff model. Hydrological Processes, 2013, 27, 3589-3595.	1.1	17
74	Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1031-1040.	0.8	65
75	Dynamic analysis of QTLs on tiller number in rice (Oryza sativa L.) with single segment substitution lines. Theoretical and Applied Genetics, 2012, 125, 143-153.	1.8	49
76	Spatial and temporal variability of precipitation concentration index, concentration degree and concentration period in Xinjiang, China. International Journal of Climatology, 2011, 31, 1679-1693.	1.5	138
77	Streamflow Simulation by SWAT Using Different Precipitation Sources in Large Arid Basins with Scarce Raingauges. Water Resources Management, 2011, 25, 2669-2681.	1.9	73
78	The simulation of snowmelt runoff in the ungauged Kaidu River Basin of TianShan Mountains, China. Environmental Earth Sciences, 2011, 62, 1039-1045.	1.3	40
79	Impacts of global warming perturbation on water resources in arid zone: Case study of Kaidu River Basin in Northwest China. Journal of Mountain Science, 2011, 8, 704-710.	0.8	7
80	Impact of climate factors on runoff in the Kaidu River watershed: path analysis of 50-year data. Journal of Arid Land, 2011, 3, 132-140.	0.9	26
81	Streamflow Forecast and Reservoir Operation Performance Assessment Under Climate Change. Water Resources Management, 2010, 24, 83-104.	1.9	90
82	Sensitivity of the Red River Basin Flood Protection System to Climate Variability and Change. Water Resources Management, 2004, 18, 89-110.	1.9	54
83	Methodology for Assessment of Climate Change Impacts on Large-Scale Flood Protection System. Journal of Water Resources Planning and Management - ASCE, 2003, 129, 361-371.	1.3	83