

Lan-hai Li

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

2,406
citations

201575

27
h-index

233338

45
g-index

85
all docs

85
docs citations

85
times ranked

2475
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and temporal variability of precipitation concentration index, concentration degree and concentration period in Xinjiang, China. <i>International Journal of Climatology</i> , 2011, 31, 1679-1693.	1.5	138
2	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. <i>Water Resources Management</i> , 2013, 27, 3085-3101.	1.9	120
3	Impact of biochar application on yield-scaled greenhouse gas intensity: A meta-analysis. <i>Science of the Total Environment</i> , 2019, 656, 969-976.	3.9	113
4	Streamflow Forecast and Reservoir Operation Performance Assessment Under Climate Change. <i>Water Resources Management</i> , 2010, 24, 83-104.	1.9	90
5	Temporal-spatial variations and influencing factors of vegetation cover in Xinjiang from 1982 to 2013 based on GIMMS-NDVI3g. <i>Global and Planetary Change</i> , 2018, 169, 145-155.	1.6	85
6	Dynamics of soil carbon and nitrogen stocks after afforestation in arid and semi-arid regions: A meta-analysis. <i>Science of the Total Environment</i> , 2018, 618, 1658-1664.	3.9	84
7	Methodology for Assessment of Climate Change Impacts on Large-Scale Flood Protection System. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2003, 129, 361-371.	1.3	83
8	Variation of the proportion of precipitation occurring as snow in the Tian Shan Mountains, China. <i>International Journal of Climatology</i> , 2015, 35, 1379-1393.	1.5	79
9	Streamflow Simulation by SWAT Using Different Precipitation Sources in Large Arid Basins with Scarce Raingauges. <i>Water Resources Management</i> , 2011, 25, 2669-2681.	1.9	73
10	Flood susceptibility modeling and hazard perception in Rwanda. <i>International Journal of Disaster Risk Reduction</i> , 2019, 38, 101211.	1.8	72
11	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. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 228.	1.3	70
12	Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1031-1040.	0.8	65
13	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. <i>Environmental Earth Sciences</i> , 2015, 74, 2499-2510.	1.3	62
14	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 59-75.	1.9	55
15	Sensitivity of the Red River Basin Flood Protection System to Climate Variability and Change. <i>Water Resources Management</i> , 2004, 18, 89-110.	1.9	54
16	Landslide susceptibility and influencing factors analysis in Rwanda. <i>Environment, Development and Sustainability</i> , 2020, 22, 7985-8012.	2.7	51
17	Spatiotemporal variability of the precipitation concentration and diversity in Central Asia. <i>Atmospheric Research</i> , 2020, 241, 104954.	1.8	50
18	Dynamic analysis of QTLs on tiller number in rice (<i>Oryza sativa</i> L.) with single segment substitution lines. <i>Theoretical and Applied Genetics</i> , 2012, 125, 143-153.	1.8	49

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19	Simulating impacts of climate change on cotton yield and water requirement using RZWQM2. <i>Agricultural Water Management</i> , 2019, 222, 231-241.	2.4	49
20	Changes in soil labile and recalcitrant carbon pools after land-use change in a semi-arid agro-pastoral ecotone in Central Asia. <i>Ecological Indicators</i> , 2020, 110, 105925.	2.6	41
21	The simulation of snowmelt runoff in the ungauged Kaidu River Basin of TianShan Mountains, China. <i>Environmental Earth Sciences</i> , 2011, 62, 1039-1045.	1.3	40
22	Concentrations of Heavy Metals and Arsenic in Market Rice Grain and Their Potential Health Risks to the Population of Fuzhou, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2015, 21, 117-128.	1.7	40
23	A system dynamics approach for water resources policy analysis in arid land: a model for Manas River Basin. <i>Journal of Arid Land</i> , 2013, 5, 118-131.	0.9	34
24	Evaluation of a new irrigation decision support system in improving cotton yield and water productivity in an arid climate. <i>Agricultural Water Management</i> , 2020, 234, 106139.	2.4	34
25	Changes in Snow Phenology from 1979 to 2016 over the Tianshan Mountains, Central Asia. <i>Remote Sensing</i> , 2019, 11, 499.	1.8	32
26	A survey on the heavy metal contents in Chinese traditional egg products and their potential health risk assessment. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2014, 7, 99-105.	1.3	31
27	Land-use impacts on profile distribution of labile and recalcitrant carbon in the Ili River Valley, northwest China. <i>Science of the Total Environment</i> , 2017, 586, 1038-1045.	3.9	30
28	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
29	Land-use change affects stocks and stoichiometric ratios of soil carbon, nitrogen, and phosphorus in a typical agro-pastoral region of northwest China. <i>Journal of Soils and Sediments</i> , 2018, 18, 3167-3176.	1.5	26
30	A Model-Based Real-Time Decision Support System for Irrigation Scheduling to Improve Water Productivity. <i>Agronomy</i> , 2019, 9, 686.	1.3	26
31	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
32	Impact of climate factors on runoff in the Kaidu River watershed: path analysis of 50-year data. <i>Journal of Arid Land</i> , 2011, 3, 132-140.	0.9	26
33	Early alert and community involvement: approach for disaster risk reduction in Rwanda. <i>Natural Hazards</i> , 2017, 86, 505-517.	1.6	25
34	Heavy metals uptake and transport by native wild plants: implications for phytoremediation and restoration. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	25
35	Changes in soil carbon and nitrogen stocks following degradation of alpine grasslands on the Qinghai-Tibetan Plateau: A meta-analysis. <i>Land Degradation and Development</i> , 2021, 32, 1262-1273.	1.8	25
36	How does grazing exclusion influence plant productivity and community structure in alpine grasslands of the Qinghai-Tibetan Plateau?. <i>Global Ecology and Conservation</i> , 2020, 23, e01066.	1.0	23

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37	Avalanche activity and characteristics of its triggering factors in the western Tianshan Mountains, China. <i>Journal of Mountain Science</i> , 2018, 15, 1397-1411.	0.8	22
38	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
39	Estimating Snow Depth Using Multi-Source Data Fusion Based on the D-InSAR Method and 3DVAR Fusion Algorithm. <i>Remote Sensing</i> , 2017, 9, 1195.	1.8	20
40	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
41	Sensitivity of runoff to climatic variability in the northern and southern slopes of the Middle Tianshan Mountains, China. <i>Journal of Arid Land</i> , 2016, 8, 681-693.	0.9	18
42	Incorporating accumulated temperature and algorithm of snow cover calculation into the snowmelt runoff model. <i>Hydrological Processes</i> , 2013, 27, 3589-3595.	1.1	17
43	Environmental factors influencing snowfall and snowfall prediction in the Tianshan Mountains, Northwest China. <i>Journal of Arid Land</i> , 2019, 11, 15-28.	0.9	17
44	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
45	Spatial-temporal characteristics and influencing factors of relative humidity in arid region of Northwest China during 1966â€“2017. <i>Journal of Arid Land</i> , 2020, 12, 397-412.	0.9	15
46	Extent of disaster courses delivery for the risk reduction in Rwanda. <i>International Journal of Disaster Risk Reduction</i> , 2018, 27, 127-132.	1.8	14
47	Estimating landslides vulnerability in Rwanda using analytic hierarchy process and geographic information system. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 364-373.	1.6	14
48	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
49	Change in the spatiotemporal pattern of snowfall during the cold season under climate change in a snowâ€dominated region of China. <i>International Journal of Climatology</i> , 2019, 39, 5702-5719.	1.5	13
50	Landslides Hazard Mapping in Rwanda Using Bivariate Statistical Index Method. <i>Environmental Engineering Science</i> , 2019, 36, 892-902.	0.8	13
51	Does Grazing Exclusion Improve Soil Carbon and Nitrogen Stocks in Alpine Grasslands on the Qinghai-Tibetan Plateau? A Meta-Analysis. <i>Sustainability</i> , 2020, 12, 977.	1.6	13
52	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
53	Reconstruction of hydrometeorological time series and its uncertainties for the Kaidu River Basin using multiple data sources. <i>Theoretical and Applied Climatology</i> , 2013, 113, 45-62.	1.3	11
54	Automatic Detection of Regional Snow Avalanches with Scattering and Interference of C-band SAR Data. <i>Remote Sensing</i> , 2020, 12, 2781.	1.8	11

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55	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
56	Integrated Geospatial Analysis and Hydrological Modeling for Peak Flow and Volume Simulation in Rwanda. <i>Water (Switzerland)</i> , 2021, 13, 2926.	1.2	11
57	Optimizing Irrigation Strategies to Improve Water Use Efficiency of Cotton in Northwest China Using RZWQM2. <i>Agriculture (Switzerland)</i> , 2022, 12, 383.	1.4	11
58	Water-level regulation for freshwater management of Bosten Lake in Xinjiang, China. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 828-836.	1.0	10
59	Characterizing the accumulation of various heavy metals in native plants growing around an old antimony mine. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016, 22, 882-898.	1.7	10
60	Mapping snow avalanche debris by object-based classification in mountainous regions from Sentinel-1 images and causative indices. <i>Catena</i> , 2021, 206, 105559.	2.2	10
61	Simulation of water scarcity in a leap-forward developing arid region: a system dynamics model of Xinjiang Uygur Autonomous Region. <i>Water Policy</i> , 2017, 19, 741-757.	0.7	8
62	Characteristics and hazards of different snow avalanche types in a continental snow climate region in the Central Tianshan Mountains. <i>Journal of Arid Land</i> , 2021, 13, 317-331.	0.9	8
63	Impacts of global warming perturbation on water resources in arid zone: Case study of Kaidu River Basin in Northwest China. <i>Journal of Mountain Science</i> , 2011, 8, 704-710.	0.8	7
64	Timing and identification of potential snow avalanche types: a case study of the central Tianshan Mountains. <i>Landslides</i> , 2021, 18, 3845-3856.	2.7	7
65	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
66	Spatio-Temporal Heterogeneity of Climate Warming in the Chinese Tianshan Mountainous Region. <i>Water (Switzerland)</i> , 2022, 14, 199.	1.2	7
67	Detection of QTL on panicle number in rice (<i>Oryza sativa</i> L.) under different densities with single segment substitution lines. <i>Euphytica</i> , 2014, 195, 355-368.	0.6	6
68	Interdecadal variations of pan-evaporation at the southern and northern slopes of the Tianshan Mountains, China. <i>Journal of Arid Land</i> , 2016, 8, 832-845.	0.9	5
69	Impact of Winter Snowfall on Vegetation Greenness in Central Asia. <i>Remote Sensing</i> , 2021, 13, 4205.	1.8	5
70	Application of the Adapted Approach for Crop Management Factor to Assess Soil Erosion Risk in an Agricultural Area of Rwanda. <i>Land</i> , 2021, 10, 1056.	1.2	5
71	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
72	Temporal and spatial variation of 10-day mean air temperature in Northwestern China. <i>Theoretical and Applied Climatology</i> , 2015, 119, 285-298.	1.3	4

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73	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
74	Performance and uncertainty analysis of a short-term climate reconstruction based on multi-source data in the Tianshan Mountains region, China. <i>Journal of Arid Land</i> , 2020, 12, 374-396.	0.9	4
75	Temporal-spatial variations of vegetation cover and surface soil moisture in the growing season across the mountain-oasis-desert system in Xinjiang, China. <i>Geocarto International</i> , 2022, 37, 3912-3940.	1.7	4
76	Responses of cotton photosynthesis and growth to a new irrigation control method under deficit irrigation. <i>Field Crops Research</i> , 2022, 275, 108373.	2.3	4
77	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
78	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. , 2016, 30, 59.		3
79	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. , 2015, 74, 2499.		3
80	Projected change in precipitation forms in the Chinese Tianshan Mountains based on the Back Propagation Neural Network Model. <i>Journal of Mountain Science</i> , 2022, 19, 689-703.	0.8	3
81	Streamflow Pattern Variations Resulting from Future Climate Change in Middle Tianshan Mountains Region in China. , 2017, , .		2
82	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
83	Simulation of Snow Ablation Processes in the Upstream of Kunes River, Yili Valley, Xinjiang. , 2015, , .		0