

Tianxiao Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

725
citations

16
h-index

23
g-index

79
ext. papers

1,072
ext. citations

4.4
avg, IF

4.54
L-index

#	Paper	IF	Citations
74	Biochar impacts on the soil environment of soybean root systems.. <i>Science of the Total Environment</i> , 2022 , 821, 153421	10.2	0
73	Effect of biochar application on freezing-thawing deformation of farmland soil during freeze-thaw cycling. <i>Geoderma</i> , 2022 , 405, 115510	6.7	2
72	Effects of biochar and straw application on the soil structure and water-holding and gas transport capacities in seasonally frozen soil areas. <i>Journal of Environmental Management</i> , 2022 , 301, 113943	7.9	1
71	The effect of biochar on the water-soil environmental system in freezing-thawing farmland soil: The perspective of complexity. <i>Science of the Total Environment</i> , 2022 , 807, 150746	10.2	1
70	Ameliorating Effects of Soil Aggregate Promoter on the Physicochemical Properties of Solonchets in the Songnen Plain of Northeast China. <i>Sustainability</i> , 2022 , 14, 5747	3.6	
69	Characteristics of greenhouse gas emissions from farmland soils based on a structural equation model: Regulation mechanism of biochar. <i>Environmental Research</i> , 2021 , 206, 112303	7.9	3
68	Application of an improved multifractal detrended fluctuation analysis approach for estimation of the complexity of daily precipitation. <i>International Journal of Climatology</i> , 2021 , 41, 4653	3.5	3
67	How soil texture, channel shape and cross-sectional area affect moisture dynamics and water loss in irrigation channels. <i>Hydrological Processes</i> , 2021 , 35, e14155	3.3	1
66	Soil infiltration characteristics and pore distribution under freezing-thawing conditions. <i>Cryosphere</i> , 2021 , 15, 2133-2146	5.5	4
65	Research on the adsorption mechanism of Cu and Zn by biochar under freeze-thaw conditions. <i>Science of the Total Environment</i> , 2021 , 774, 145194	10.2	4
64	Effects of Biochar on Sediment Transport and Rill Erosion after Two Consecutive Years of Seasonal Freezing and Thawing. <i>Sustainability</i> , 2021 , 13, 6984	3.6	2
63	Optimization of agricultural water-food-energy nexus in a random environment: an integrated modelling approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021 , 35, 3-19	3.5	18
62	Effect of Biochar on Soil and Water Loss on Sloping Farmland in the Black Soil Region of Northeast China during the Spring Thawing Period. <i>Sustainability</i> , 2021 , 13, 1460	3.6	4
61	Characteristics of Propagation From Meteorological Drought to Hydrological Drought in the Pearl River Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033959	4.4	10
60	Investigating the Propagation From Meteorological to Hydrological Drought by Introducing the Nonlinear Dependence With Directed Information Transfer Index. <i>Water Resources Research</i> , 2021 , 57, e2021WR030028	5.4	10
59	Snow melting water infiltration mechanism of farmland freezing-thawing soil and determination of meltwater infiltration parameter in seasonal frozen soil areas. <i>Agricultural Water Management</i> , 2021 , 258, 107165	5.9	2
58	Measurement and analysis of regional flood disaster resilience based on a support vector regression model refined by the selfish herd optimizer with elite opposition-based learning. <i>Journal of Environmental Management</i> , 2021 , 300, 113764	7.9	0

57	Effects of land use and climate variability on the main stream of the Songhua River Basin, Northeast China. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1752-1765	3.5	1
56	Regulation of Cu and Zn migration in soil by biochar during snowmelt. <i>Environmental Research</i> , 2020 , 186, 109566	7.9	4
55	Spatial variability and possible cause analysis of regional precipitation complexity based on optimized sample entropy. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020 , 146, 3384-3398	6.4	6
54	Variability of Soil Water Heat and Energy Transfer Under Different Cover Conditions in a Seasonally Frozen Soil Area. <i>Sustainability</i> , 2020 , 12, 1782	3.6	0
53	The effect on soil nitrogen mineralization resulting from biochar and straw regulation in seasonally frozen agricultural ecosystem. <i>Journal of Cleaner Production</i> , 2020 , 255, 120302	10.3	8
52	Biochar application for the improvement of water-soil environments and carbon emissions under freeze-thaw conditions: An in-situ field trial. <i>Science of the Total Environment</i> , 2020 , 723, 138007	10.2	14
51	Optimal allocation model of the water resources in Harbin under representative concentration pathway scenarios. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 2903-2914	1.4	
50	Short-term influence of biochar on soil temperature, liquid moisture content and soybean growth in a seasonal frozen soil area. <i>Journal of Environmental Management</i> , 2020 , 266, 110609	7.9	10
49	Effects of different biochar application methods on soybean growth indicator variability in a seasonally frozen soil area. <i>Catena</i> , 2020 , 185, 104307	5.8	8
48	Rice Irrigation Schedule Optimization Based on the AquaCrop Model: Study of the Longtougiao Irrigation District. <i>Water (Switzerland)</i> , 2019 , 11, 1799	3	5
47	Effects of biochar application during different periods on soil structures and water retention in seasonally frozen soil areas. <i>Science of the Total Environment</i> , 2019 , 694, 133732	10.2	20
46	Effects of biochar addition on soil hydraulic properties before and after freezing-thawing. <i>Catena</i> , 2019 , 176, 112-124	5.8	42
45	Adaptive management of water resources based on an advanced entropy method to quantify agent information. <i>Journal of Hydroinformatics</i> , 2019 , 21, 381-396	2.6	6
44	Characteristics of water heat variation and the transfer relationship in sandy loam under different conditions. <i>Geoderma</i> , 2019 , 340, 259-268	6.7	19
43	A Novel Method for Agricultural Drought Risk Assessment. <i>Water Resources Management</i> , 2019 , 33, 2033-2047	3.7	18
42	Analysis of characteristic snow parameters and associated factors in a cold region in northeast China. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 511-518	1.4	3
41	Study on the Optimization of Dry Land Irrigation Schedule in the Downstream Songhua River Basin Based on the SWAT Model. <i>Water (Switzerland)</i> , 2019 , 11, 1147	3	5
40	Inventory Theory-Based Stochastic Optimization for Reservoir Water Allocation. <i>Water Resources Management</i> , 2019 , 33, 3873-3898	3.7	1

39	Temporal-Spatial Distribution Characteristics and Influencing Factors of Regional Agricultural Water Requirement Indicators. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019 , 145, 04019019 ¹	4	1.1
38	Effect of the Number of Leaves in Submerged Aquatic Plants on Stream Flow Dynamics. <i>Water (Switzerland)</i> , 2019 , 11, 1448	0	3
37	Study of the spatiotemporal variability in agricultural drought vulnerability based on a dynamic classification projection pursuit model. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	2	1.8
36	Effect of snow-straw collocation on the complexity of soil water and heat variation in the Songnen Plain, China. <i>Catena</i> , 2019 , 172, 190-202	29	5.8
35	A new infiltration model for simulating soil water movement in canal irrigation under laboratory conditions. <i>Agricultural Water Management</i> , 2019 , 213, 433-444	11	5.9
34	Effects of land-use change and climate variability on streamflow in the Woken River basin in Northeast China. <i>River Research and Applications</i> , 2019 , 35, 121-132	10	2.3
33	An optimal modelling approach for managing agricultural water-energy-food nexus under uncertainty. <i>Science of the Total Environment</i> , 2019 , 651, 1416-1434	105	10.2
32	Assessment of precipitation variability and uncertainty of stream flow in the Hindu Kush Himalayan and Karakoram River basins of Pakistan. <i>Meteorology and Atmospheric Physics</i> , 2019 , 131, 127-136	13	2
31	Multifractal Detrended Fluctuation Analysis of Regional Precipitation Sequences Based on the CEEMDAN-WPT. <i>Pure and Applied Geophysics</i> , 2018 , 175, 3069-3084	3	2.2
30	Study of the water saving potential of an irrigation area based on a remote sensing evapotranspiration model. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1	1.8
29	Effects of soil water and heat relationship under various snow cover during freezing-thawing periods in Songnen Plain, China. <i>Scientific Reports</i> , 2018 , 8, 1325	12	4.9
28	Projection Pursuit Evaluation Model of Regional Surface Water Environment Based on Improved Chicken Swarm Optimization Algorithm. <i>Water Resources Management</i> , 2018 , 32, 1325-1342	22	3.7
27	Agricultural Multi-Water Source Allocation Model Based on Interval Two-Stage Stochastic Robust Programming under Uncertainty. <i>Water Resources Management</i> , 2018 , 32, 1261-1274	27	3.7
26	Effects of straw mulching on soil evaporation during the soil thawing period in a cold region in northeastern China. <i>Journal of Earth System Science</i> , 2018 , 127, 1	12	1.8
25	The functions of soil water and heat transfer to the environment and associated response mechanisms under different snow cover conditions. <i>Geoderma</i> , 2018 , 325, 9-17	21	6.7
24	Stream flow variability and drought severity in the Songhua River Basin, Northeast China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 1225-1242	11	3.5
23	Multi-scale research of time and space differences about ecological footprint and ecological carrying capacity of the water resources. <i>Applied Water Science</i> , 2018 , 8, 1	3	5
22	An Evaluation of the Resilience of the Regional Agricultural Water and Soil Resource System in Heilongjiang Province, China. <i>Agricultural Research</i> , 2018 , 7, 311-320	2	1.4

21	An interval parameter conditional value-at-risk two-stage stochastic programming model for sustainable regional water allocation under different representative concentration pathways scenarios. <i>Journal of Hydrology</i> , 2018 , 564, 115-124	6	29
20	Analysis of Irrigation Canal System Characteristics in Heilongjiang Province and the Influence on Irrigation Water Use Efficiency. <i>Water (Switzerland)</i> , 2018 , 10, 1101	3	5
19	A drought index for Rainfed agriculture: The Standardized Precipitation Crop Evapotranspiration Index (SPCEI). <i>Hydrological Processes</i> , 2018 , 33, 803	3.3	3
18	A Simulation-Based Linear Fractional Programming Model for Adaptable Water Allocation Planning in the Main Stream of The Songhua River Basin, China. <i>Water (Switzerland)</i> , 2018 , 10, 627	3	6
17	Application of Particle Swarm Optimization and Extreme Learning Machine Forecasting Models for Regional Groundwater Depth Using Nonlinear Prediction Models as Preprocessor. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04018052	1.8	22
16	Assessment of characteristics and distinguished hydrological periods of a river regime. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	4
15	Two-Stage Multi-Water Sources Allocation Model in Regional Water Resources Management under Uncertainty. <i>Water Resources Management</i> , 2017 , 31, 3607-3625	3.7	12
14	Projected Changes of Future Extreme Drought Events under Numerous Drought Indices in the Heilongjiang Province of China. <i>Water Resources Management</i> , 2017 , 31, 3921-3937	3.7	23
13	Analysis of Irrigation Water Use Efficiency Based on the Chaos Features of a Rainfall Time Series. <i>Water Resources Management</i> , 2017 , 31, 1961-1973	3.7	7
12	Complexity measure of regional seasonal precipitation series based on wavelet entropy. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2531-2540	3.5	4
11	The Critical Depth of Freeze-Thaw Soil under Different Types of Snow Cover. <i>Water (Switzerland)</i> , 2017 , 9, 370	3	6
10	Two-Stage Interval-Parameter Stochastic Programming Model Based on Adaptive Water Resource Management. <i>Water Resources Management</i> , 2016 , 30, 2097-2109	3.7	5
9	The Application of a Water Rights Trading Model Based on two-Stage Interval-Parameter Stochastic Programming. <i>Water Resources Management</i> , 2016 , 30, 2227-2243	3.7	16
8	Precipitation Complexity Measurement Using Multifractal Spectra Empirical Mode Decomposition Detrended Fluctuation Analysis. <i>Water Resources Management</i> , 2016 , 30, 505-522	3.7	17
7	EMD-RBFNN Coupling Prediction Model of Complex Regional Groundwater Depth Series: A Case Study of the Jiansanjiang Administration of Heilongjiang Land Reclamation in China. <i>Water (Switzerland)</i> , 2016 , 8, 340	3	3
6	Complexity measurement of regional groundwater resources system using improved Lempel-Ziv complexity algorithm. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	4
5	Analysis of the Appropriate Development Scale of Regional Paddy Field Under the Restriction of Water Resources. <i>Agricultural Research</i> , 2016 , 5, 324-333	1.4	
4	Adaptive Allocation Modeling for a Complex System of Regional Water and Land Resources Based on Information Entropy and its Application. <i>Water Resources Management</i> , 2015 , 29, 4977-4993	3.7	16

3	Regional food security risk assessment under the coordinated development of water resources. <i>Natural Hazards</i> , 2015 , 78, 603-619	3	11
2	Risk assessment of the city water resources system based on Pansystems Observation-Control Model of Periphery. <i>Natural Hazards</i> , 2014 , 71, 1899-1912	3	8
1	Risk analysis and influencing factors of drought and flood disasters in China. <i>Natural Hazards</i> , 1	3	1