

Liu Dong

List of Publications by Citations

Source: <https://exaly.com/author-pdf/266572/liu-dong-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

792
citations

17
h-index

24
g-index

79
ext. papers

1,073
ext. citations

4.2
avg, IF

4.54
L-index

#	Paper	IF	Citations
74	An optimal modelling approach for managing agricultural water-energy-food nexus under uncertainty. <i>Science of the Total Environment</i> , 2019 , 651, 1416-1434	10.2	105
73	A resilience evaluation method for a combined regional agricultural water and soil resource system based on Weighted Mahalanobis distance and a Gray-TOPSIS model. <i>Journal of Cleaner Production</i> , 2019 , 229, 667-679	10.3	38
72	Assessing agricultural drought vulnerability in the Sanjiang Plain based on an improved projection pursuit model. <i>Natural Hazards</i> , 2016 , 82, 683-701	3	34
71	Identification and application of the most suitable entropy model for precipitation complexity measurement. <i>Atmospheric Research</i> , 2019 , 221, 88-97	5.4	29
70	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	3.7	27
69	Spatiotemporal analysis of the agricultural drought risk in Heilongjiang Province, China. <i>Theoretical and Applied Climatology</i> , 2018 , 133, 151-164	3	26
68	Recent Climate Trends and Drought Behavioral Assessment Based on Precipitation and Temperature Data Series in the Songhua River Basin of China. <i>Water Resources Management</i> , 2016 , 30, 4839-4859	3.7	25
67	Sediment-Water Exchange, Spatial Variations, and Ecological Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the Songhua River, China. <i>Water (Switzerland)</i> , 2016 , 8, 334	3	24
66	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
65	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	3.7	22
64	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
63	Detecting the persistence of drying trends under changing climate conditions using four meteorological drought indices. <i>Meteorological Applications</i> , 2018 , 25, 184-194	2.1	21
62	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
61	A Novel Method for Agricultural Drought Risk Assessment. <i>Water Resources Management</i> , 2019 , 33, 2033-2047	3.7	18
60	A Study on the Overwintering of Cucumber Downy Mildew Oospores in China. <i>Journal of Phytopathology</i> , 2012 , 160, 469-474	1.8	18
59	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
58	Precipitation Complexity Measurement Using Multifractal Spectra Empirical Mode Decomposition Detrended Fluctuation Analysis. <i>Water Resources Management</i> , 2016 , 30, 505-522	3.7	17

57	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
56	Heavy Metals in Sediment from the Urban and Rural Rivers in Harbin City, Northeast China. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	16
55	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
54	Evaluation of the land carrying capacity of major grain-producing areas and the identification of risk factors. <i>Natural Hazards</i> , 2017 , 86, 263-280	3	13
53	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	2	13
52	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
51	Trophic transfer of cyclic methyl siloxanes in the marine food web in the Bohai Sea, China. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 178, 86-93	7	11
50	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	3.5	11
49	Spatial-temporal characteristics analysis of water resource system resilience in irrigation areas based on a support vector machine model optimized by the modified gray wolf algorithm. <i>Journal of Hydrology</i> , 2021 , 597, 125758	6	11
48	Spatial-temporal variations, possible sources and soil-air exchange of polychlorinated biphenyls in urban environments in China. <i>RSC Advances</i> , 2017 , 7, 14797-14804	3.7	10
47	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
46	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	2.3	10
45	Improving the Resolution of GRACE Data for Spatio-Temporal Groundwater Storage Assessment. <i>Remote Sensing</i> , 2021 , 13, 3513	5	9
44	Research on evaluating water resource resilience based on projection pursuit classification model. <i>Applied Water Science</i> , 2016 , 6, 97-105	5	8
43	Complexity measurement of precipitation series in urban areas based on particle swarm optimized multiscale entropy. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	8
42	Precipitation variability assessment of northeast China: Songhua River basin. <i>Journal of Earth System Science</i> , 2016 , 125, 957-968	1.8	8
41	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
40	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

39	Diagnostic Complexity of Regional Groundwater Resources System Based on time series fractal dimension and Artificial Fish Swarm Algorithm. <i>Water Resources Management</i> , 2013 , 27, 1897-1911	3.7	6
38	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
37	Rice Irrigation Schedule Optimization Based on the AquaCrop Model: Study of the Longtougiao Irrigation District. <i>Water (Switzerland)</i> , 2019 , 11, 1799	3	5
36	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
35	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
34	Concentrations and uptake pathways of polychlorinated biphenyls from soil to grass. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109428	7	5
33	Heavy metal contamination and ecological risk in sediment from typical suburban rivers. <i>River Research and Applications</i> , 2020 ,	2.3	5
32	Identification of resilience characteristics of a regional agricultural water resources system based on index optimization and improved support vector machine. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 1899-1910	1.4	5
31	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
30	Complexity measure of regional seasonal precipitation series based on wavelet entropy. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2531-2540	3.5	4
29	Complexity measure of regional groundwater resources system based on wavelet entropy: a case study of Jiansanjiang Administration of Heilongjiang land reclamation in China. <i>Environmental Earth Sciences</i> , 2015 , 73, 1033-1043	2.9	4
28	Regulation of Cu and Zn migration in soil by biochar during snowmelt. <i>Environmental Research</i> , 2020 , 186, 109566	7.9	4
27	Complexity research of regional groundwater depth series based on multiscale entropy: a case study of Jiansanjiang Branch Bureau in China. <i>Environmental Earth Sciences</i> , 2013 , 70, 353-361	2.9	4
26	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
25	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
24	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
23	Assessment of characteristics and distinguished hydrological periods of a river regime. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	4
22	Multifractal Detrended Fluctuation Analysis of Regional Precipitation Sequences Based on the CEEMDAN-WPT. <i>Pure and Applied Geophysics</i> , 2018 , 175, 3069-3084	2.2	3

21	Levels, spatial variations, and possible sources of polycyclic aromatic hydrocarbons in sediment from Songhua River, China. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	3
20	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
19	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
18	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
17	A drought index for Rainfed agriculture: The Standardized Precipitation Crop Evapotranspiration Index (SPCEI). <i>Hydrological Processes</i> , 2018 , 33, 803	3.3	3
16	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	1.4	2
15	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
14	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
13	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	1.8	1
12	The Effect Degree Analysis of Human Activities on Regional Groundwater Level Based on Variable Fuzzy Optimization Model. <i>International Journal of Agricultural and Environmental Information Systems</i> , 2015 , 6, 63-76	1.2	1
11	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
10	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
9	Screening and identification of antagonistic bacteria from vermicompost against <i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i> . <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021 , 71, 266-272	1.1	1
8	Indicator system optimization model for evaluating resilience of regional agricultural soil-water resource composite system. <i>Water Science and Technology: Water Supply</i> , 2021 , 21, 3251-3266	1.4	1
7	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
6	Novel method for measuring regional precipitation complexity characteristics based on multiscale permutation entropy combined with CMFO-PPTTE model. <i>Journal of Hydrology</i> , 2021 , 592, 125801	6	1
5	Analysis on water use strategies of natural poplar in Hunshandake Sandy Land, China. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40, e13579	2.5	1
4	Improved decolorization and mineralization of azo dye in an integrated system of anaerobic bioelectrochemical modules and aerobic moving bed biofilm reactor.. <i>Bioresource Technology</i> , 2022 , 127147	11.47	1

- 3 Biochar impacts on the soil environment of soybean root systems.. *Science of the Total Environment*, **2022**, 821, 153421 10.2 ○
- 2 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. *Journal of Environmental Management*, **2021**, 300, 113764 7.9 ○
- 1 Analysis of the Appropriate Development Scale of Regional Paddy Field Under the Restriction of Water Resources. *Agricultural Research*, **2016**, 5, 324-333 1.4