

Meixian Liu

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,245
citations

361413

20
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the impacts of climate and human activities on water and sediment discharge in a karst region of southwest China. <i>Journal of Hydrology</i> , 2016, 542, 836-849.	5.4	144
2	Effects of vegetation restoration on soil quality in degraded karst landscapes of southwest China. <i>Science of the Total Environment</i> , 2019, 650, 2657-2665.	8.0	127
3	Is southwestern China experiencing more frequent precipitation extremes?. <i>Environmental Research Letters</i> , 2014, 9, 064002.	5.2	122
4	Karst catchments exhibited higher degradation stress from climate change than the non-karst catchments in southwest China: An ecohydrological perspective. <i>Journal of Hydrology</i> , 2016, 535, 173-180.	5.4	83
5	A new drought index that considers the joint effects of climate and land surface change. <i>Water Resources Research</i> , 2017, 53, 3262-3278.	4.2	60
6	Effects of "Grain for Green" program on soil hydrologic functions in karst landscapes, southwestern China. <i>Agriculture, Ecosystems and Environment</i> , 2017, 247, 120-129.	5.3	58
7	Distribution and dynamics of soil water and salt under different drip irrigation regimes in northwest China. <i>Irrigation Science</i> , 2013, 31, 675-688.	2.8	51
8	Decreasing spatial variability in precipitation extremes in southwestern China and the local/large-scale influencing factors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6480-6488.	3.3	50
9	State-space prediction of spring discharge in a karst catchment in southwest China. <i>Journal of Hydrology</i> , 2017, 549, 264-276.	5.4	43
10	UAV based soil moisture remote sensing in a karst mountainous catchment. <i>Catena</i> , 2019, 174, 478-489.	5.0	42
11	Monthly sediment discharge changes and estimates in a typical karst catchment of southwest China. <i>Journal of Hydrology</i> , 2017, 555, 95-107.	5.4	41
12	Annual Runoff is Highly Linked to Precipitation Extremes in Karst Catchments of Southwest China. <i>Journal of Hydrometeorology</i> , 2017, 18, 2745-2759.	1.9	38
13	Comparing evapotranspiration characteristics and environmental controls for three agroforestry ecosystems in a subtropical humid karst area. <i>Journal of Hydrology</i> , 2018, 563, 1042-1050.	5.4	33
14	Spatial Downscaling of TRMM Precipitation Product Using a Combined Multifractal and Regression Approach: Demonstration for South China. <i>Water (Switzerland)</i> , 2015, 7, 3083-3102.	2.7	27
15	Dam construction impacts on multiscale characterization of sediment discharge in two typical karst watersheds of southwest China. <i>Journal of Hydrology</i> , 2018, 558, 42-54.	5.4	27
16	Evaluation of high-resolution satellite rainfall products using rain gauge data over complex terrain in southwest China. <i>Theoretical and Applied Climatology</i> , 2015, 119, 203-219.	2.8	26
17	Effects of Napier grass management on soil hydrologic functions in a karst landscape, southwestern China. <i>Soil and Tillage Research</i> , 2016, 157, 83-92.	5.6	25
18	Developing pedotransfer functions to estimate the S-index for indicating soil quality. <i>Ecological Indicators</i> , 2017, 83, 338-345.	6.3	24

#	ARTICLE	IF	CITATIONS
19	Decreasing spatial variability of drought in southwest China during 1959–2013. <i>International Journal of Climatology</i> , 2017, 37, 4610-4619.	3.5	23
20	Why do karst catchments exhibit higher sensitivity to climate change? Evidence from a modified Budyko model. <i>Advances in Water Resources</i> , 2018, 122, 238-250.	3.8	23
21	Hysteresis in sap flow and its controlling mechanisms for a deciduous broad-leaved tree species in a humid karst region. <i>Science China Earth Sciences</i> , 2019, 62, 1744-1755.	5.2	22
22	An Improved Optimization Scheme for Representing Hillslopes and Depressions in Karst Hydrology. <i>Water Resources Research</i> , 2020, 56, e2019WR026038.	4.2	18
23	Enhancing pedotransfer functions (PTFs) using soil spectral reflectance data for estimating saturated hydraulic conductivity in southwestern China. <i>Catena</i> , 2017, 158, 350-356.	5.0	17
24	Fighting against water crisis in China—A glimpse of water regime shift at county level. <i>Environmental Science and Policy</i> , 2016, 61, 33-41.	4.9	14
25	Water depletion of climax forests over humid karst terrain: Patterns, controlling factors and implications. <i>Agricultural Water Management</i> , 2021, 244, 106541.	5.6	14
26	New drought index indicates that land surface changes might have enhanced drying tendencies over the Loess Plateau. <i>Ecological Indicators</i> , 2018, 89, 716-724.	6.3	12
27	Climate and vegetation seasonality play comparable roles in water partitioning within the Budyko framework. <i>Journal of Hydrology</i> , 2022, 605, 127373.	5.4	12
28	A New Soil Sampling Design in Coastal Saline Region Using EM38 and VQT Method. <i>Clean - Soil, Air, Water</i> , 2012, 40, 972-979.	1.1	11
29	What roles can water-stressed vegetation play in agricultural droughts?. <i>Science of the Total Environment</i> , 2022, 803, 149810.	8.0	11
30	Climate Rather Than Vegetation Changes Dominate Changes in Effective Vegetation Available Water Capacity. <i>Water Resources Research</i> , 2022, 58, .	4.2	11
31	Comparing ET-VPD hysteresis in three agroforestry ecosystems in a subtropical humid karst area. <i>Agricultural Water Management</i> , 2018, 208, 454-464.	5.6	9
32	Assessing the Spatial and Temporal Patterns of Seasonal Precipitation Extremes and the Potential Influencing Factors in Dongting Lake Basin, China. <i>Water (Switzerland)</i> , 2016, 8, 558.	2.7	7
33	A Physical Agricultural Drought Index Based on Root Zone Water Availability: Model Development and Application. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088553.	4.0	6
34	Identifying rainfall threshold of flash flood using entropy decision approach and hydrological model method. <i>Natural Hazards</i> , 2021, 108, 1427-1448.	3.4	4
35	A Modified Evaporation Model Indicates That the Effects of Air Warming on Global Drying Trends Have Been Overestimated. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035153.	3.3	4
36	Effects of Rice-Wheat Rotation and Afforestation on Microbial Biomass Carbon in Coastal Salt-Affected Soils of Eastern China. <i>Pedosphere</i> , 2017, 27, 938-948.	4.0	3

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37	Topography regulates the responses of water partitioning to climate and vegetation seasonality. Science of the Total Environment, 2022, 838, 156028.	8.0	3