

Hu Liu

List of Publications by Year in descending order

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14
papers

299
citations

840776

11
h-index

1058476

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33
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33
docs citations

33
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecohydrological effects of photovoltaic solar farms on soil microclimates and moisture regimes in arid Northwest China: A modeling study. <i>Science of the Total Environment</i> , 2022, 802, 149946.	8.0	26
2	Effects of Textural Layering on Water Regimes in Sandy Soils in a Desert-Oasis Ecotone, Northwestern China. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	4
3	Mosaic desert pavement influences water infiltration and vegetation distribution on fluvial fan surfaces. <i>Hydrological Processes</i> , 2021, 35, e14373.	2.6	2
4	Mapping groundwater-dependent ecosystems in arid Central Asia: Implications for controlling regional land degradation. <i>Science of the Total Environment</i> , 2021, 797, 149027.	8.0	16
5	The Dominant Control of Relief on Soil Water Content Distribution During Wet-Dry Transitions in Headwaters. <i>Water Resources Research</i> , 2021, 57, e2021WR029587.	4.2	12
6	Evaluation of groundwater sustainability in the arid Hexi Corridor of Northwestern China, using GRACE, GLDAS and measured groundwater data products. <i>Science of the Total Environment</i> , 2020, 705, 135829.	8.0	53
7	Modeling the physiological responses of a desert shrub to rainfall pulses in an arid environment in northwestern China. <i>Journal of Arid Environments</i> , 2020, 183, 104277.	2.4	3
8	Understanding the effects of climate warming on streamflow and active groundwater storage in an alpine catchment: the upper Lhasa River. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 1145-1157.	4.9	24
9	Inferring Subsurface Preferential Flow Features From a Wavelet Analysis of Hydrological Signals in the Shale Hills Catchment. <i>Water Resources Research</i> , 2020, 56, e2019WR026668.	4.2	13
10	Quantification of soil water balance components based on continuous soil moisture measurement and the Richards equation in an irrigated agricultural field of a desert oasis. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4685-4706.	4.9	17
11	Frequency and Control of Subsurface Preferential Flow: From Pedon to Catchment Scales. <i>Soil Science Society of America Journal</i> , 2015, 79, 362-377.	2.2	58
12	Self-organized vegetation patterning effects on surface soil hydraulic conductivity: A case study in the Qilian Mountains, China. <i>Geoderma</i> , 2013, 192, 362-367.	5.1	15
13	A simple geomorphic-based analytical model for predicting the spatial distribution of soil thickness in headwater hillslopes and catchments. <i>Water Resources Research</i> , 2013, 49, 7733-7746.	4.2	20
14	The Response of Aboveground Net Primary Productivity of Desert Vegetation to Rainfall Pulse in the Temperate Desert Region of Northwest China. <i>PLoS ONE</i> , 2013, 8, e73003.	2.5	34