

# Hu Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9222838/publications.pdf>

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14  
papers

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citations

840776

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1058476

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docs citations

33  
times ranked

343  
citing authors

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