

Wei Wei

List of Publications by Year in descending order

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44
papers

2,936
citations

218381

26
h-index

243296

44
g-index

45
all docs

45
docs citations

45
times ranked

2297
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil and water conservation on the Loess Plateau in China: review and perspective. <i>Progress in Physical Geography</i> , 2007, 31, 389-403.	1.4	380
2	The effect of land uses and rainfall regimes on runoff and soil erosion in the semi-arid loess hilly area, China. <i>Journal of Hydrology</i> , 2007, 335, 247-258.	2.3	355
3	Global synthesis of the classifications, distributions, benefits and issues of terracing. <i>Earth-Science Reviews</i> , 2016, 159, 388-403.	4.0	201
4	Response of temporal variation of soil moisture to vegetation restoration in semi-arid Loess Plateau, China. <i>Catena</i> , 2014, 115, 123-133.	2.2	194
5	Response of deep soil moisture to land use and afforestation in the semi-arid Loess Plateau, China. <i>Journal of Hydrology</i> , 2012, 475, 111-122.	2.3	190
6	Effects of landscape restoration on soil water storage and water use in the Loess Plateau Region, China. <i>Forest Ecology and Management</i> , 2010, 259, 1291-1298.	1.4	183
7	Effects of terracing practices on water erosion control in China: A meta-analysis. <i>Earth-Science Reviews</i> , 2017, 173, 109-121.	4.0	158
8	Estimation of runoff mitigation by morphologically different cover crop root systems. <i>Journal of Hydrology</i> , 2016, 538, 667-676.	2.3	86
9	Responses of water erosion to rainfall extremes and vegetation types in a loess semiarid hilly area, NW China. <i>Hydrological Processes</i> , 2009, 23, 1780-1791.	1.1	83
10	Effects of surficial condition and rainfall intensity on runoff in a loess hilly area, China. <i>Journal of Hydrology</i> , 2014, 513, 115-126.	2.3	83
11	Comparison of deep soil moisture in two re-vegetation watersheds in semi-arid regions. <i>Journal of Hydrology</i> , 2014, 513, 314-321.	2.3	73
12	Quantifying the effects of precipitation, vegetation, and land preparation techniques on runoff and soil erosion in a Loess watershed of China. <i>Science of the Total Environment</i> , 2019, 652, 755-764.	3.9	73
13	The influence of structural factors on stormwater runoff retention of extensive green roofs: new evidence from scale-based models and real experiments. <i>Journal of Hydrology</i> , 2019, 569, 230-238.	2.3	72
14	Water erosion response to rainfall and land use in different drought-level years in a loess hilly area of China. <i>Catena</i> , 2010, 81, 24-31.	2.2	69
15	Assessment of the impact of different vegetation patterns on soil erosion processes on semiarid loess slopes. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1860-1870.	1.2	63
16	The effects of terracing and vegetation on soil moisture retention in a dry hilly catchment in China. <i>Science of the Total Environment</i> , 2019, 647, 1323-1332.	3.9	53
17	Effects of vegetation restoration on the spatial distribution of soil moisture at the hillslope scale in semi-arid regions. <i>Catena</i> , 2015, 124, 138-146.	2.2	46
18	Land preparation and vegetation type jointly determine soil conditions after long-term land stabilization measures in a typical hilly catchment, Loess Plateau of China. <i>Journal of Soils and Sediments</i> , 2017, 17, 144-156.	1.5	45

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19	Impacts of climate change and human activities on runoff change in a typical arid watershed, NW China. <i>Ecological Indicators</i> , 2021, 121, 107013.	2.6	43
20	The impacts of substrate and vegetation on stormwater runoff quality from extensive green roofs. <i>Journal of Hydrology</i> , 2019, 576, 575-582.	2.3	42
21	Effects of terracing on soil water and canopy transpiration of <i>Pinus tabulaeformis</i> in the Loess Plateau of China. <i>Ecological Engineering</i> , 2017, 102, 557-564.	1.6	39
22	A 30-yr terrace mapping in China using Landsat 8 imagery and digital elevation model based on the Google Earth Engine. <i>Earth System Science Data</i> , 2021, 13, 2437-2456.	3.7	39
23	Climate background, relative rate, and runoff effect of multiphase water transformation in Qilian Mountains, the third pole region. <i>Science of the Total Environment</i> , 2019, 663, 315-328.	3.9	37
24	Does terracing enhance soil organic carbon sequestration? A national-scale data analysis in China. <i>Science of the Total Environment</i> , 2020, 721, 137751.	3.9	36
25	Effects of rainfall and terracing-vegetation combinations on water erosion in a loess hilly area, China. <i>Journal of Environmental Management</i> , 2020, 261, 110247.	3.8	29
26	Does the spatial location of green roofs affects runoff mitigation in small urbanized catchments?. <i>Journal of Environmental Management</i> , 2020, 268, 110707.	3.8	29
27	Towards Sustainable Integrated Watershed Ecosystem Management: A Case Study in Dingxi on the Loess Plateau, China. <i>Environmental Management</i> , 2013, 51, 126-137.	1.2	28
28	Plant traits in influencing soil moisture in semiarid grasslands of the Loess Plateau, China. <i>Science of the Total Environment</i> , 2020, 718, 137355.	3.9	25
29	Microtopography Recreation Benefits Ecosystem Restoration. <i>Environmental Science & Technology</i> , 2012, 46, 10875-10876.	4.6	24
30	Slope instabilities in steep cultivation systems: Process classification and opportunities from remote sensing. <i>Land Degradation and Development</i> , 2021, 32, 1368-1388.	1.8	20
31	Experimental Study on the Rainfall-Runoff Responses of Typical Urban Surfaces and Two Green Infrastructures Using Scale-Based Models. <i>Environmental Management</i> , 2020, 66, 683-693.	1.2	19
32	How can terracing impact on soil moisture variation in China? A meta-analysis. <i>Agricultural Water Management</i> , 2020, 227, 105849.	2.4	18
33	Effects of terracing on root distribution of <i>Pinus tabulaeformis</i> Carr. forest and soil properties in the Loess Plateau of China. <i>Science of the Total Environment</i> , 2020, 721, 137506.	3.9	18
34	The Joint Effects of Precipitation Gradient and Afforestation on Soil Moisture across the Loess Plateau of China. <i>Forests</i> , 2019, 10, 285.	0.9	16
35	Quantifying the contributions of structural factors on runoff water quality from green roofs and optimizing assembled combinations using Taguchi method. <i>Journal of Hydrology</i> , 2021, 593, 125864.	2.3	15
36	Assessing the runoff retention of extensive green roofs using runoff coefficients and curve numbers and the impacts of substrate moisture. <i>Hydrology Research</i> , 2020, 51, 635-647.	1.1	14

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37	Evaluating canopy transpiration and water use of two typical planted tree species in the dryland Loess Plateau of China. <i>Ecohydrology</i> , 2017, 10, e1830.	1.1	11
38	Runoff retention assessment for extensive green roofs and prioritization of structural factors at runoff plot scale using the Taguchi method. <i>Ecological Engineering</i> , 2019, 138, 281-288.	1.6	7
39	Effects of terracing on soil properties in three key mountainous regions of China. <i>Geography and Sustainability</i> , 2021, 2, 195-206.	1.9	6
40	Effects of terracing measures on water retention of pinus Tabulaeformis forest in the dryland loess hilly region of China. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108544.	1.9	5
41	Research on Automatic Identification Method of Terraces on the Loess Plateau Based on Deep Transfer Learning. <i>Remote Sensing</i> , 2022, 14, 2446.	1.8	4
42	Tradeoffs between soil conservation and soil water retention: The role of vegetation pattern and density. <i>Land Degradation and Development</i> , 2022, 33, 18-27.	1.8	3
43	Soil Water Availability Drives Changes in Community Traits Along a Hydrothermal Gradient in Loess Plateau Grasslands. <i>Rangeland Ecology and Management</i> , 2020, 73, 276-284.	1.1	1
44	Responses of soil moisture to rainfall pulses and land preparation techniques. , 2021, , 441-458.		0