

Zheng-an Su

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

503
citations

623574

14
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677027

22
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25
all docs

25
docs citations

25
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulated headward erosion of bank gullies in the Dry-hot Valley Region of southwest China. <i>Geomorphology</i> , 2014, 204, 532-541.	1.1	64
2	Effect of Soil Erosion on Soil Properties and Crop Yields on Slopes in the Sichuan Basin, China. <i>Pedosphere</i> , 2010, 20, 736-746.	2.1	61
3	The distribution of and factors influencing the vegetation in a gully in the Dry-hot Valley of southwest China. <i>Catena</i> , 2014, 116, 60-67.	2.2	52
4	Hydraulic properties of concentrated flow of a bank gully in the dry-hot valley region of southwest China. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1351-1363.	1.2	38
5	Effects of vegetation buffer strips on concentrated flow hydraulics and gully bed erosion based on in situ scouring experiments. <i>Land Degradation and Development</i> , 2018, 29, 1672-1682.	1.8	29
6	Impacts of headcut height on flow energy, sediment yield and surface landform during bank gully erosion processes in the Yuanmou Dry-hot Valley region, southwest China. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2271-2282.	1.2	29
7	Effects of initial step height on the headcut erosion of bank gullies: a case study using a 3D photo-reconstruction method in the dry-hot valley region of southwest China. <i>Physical Geography</i> , 2016, 37, 409-429.	0.6	24
8	Effect of grass basal diameter on hydraulic properties and sediment yield processes in gully beds in the dry-hot valley region of Southwest China. <i>Catena</i> , 2017, 152, 299-310.	2.2	21
9	The influences of mass failure on the erosion and hydraulic processes of gully headcuts based on an in situ scouring experiment in Dry-hot valley of China. <i>Catena</i> , 2019, 176, 14-25.	2.2	21
10	Effects of vegetation coverage and seasonal change on soil microbial biomass and community structure in the dry-hot valley region. <i>Journal of Mountain Science</i> , 2018, 15, 1546-1558.	0.8	20
11	Spatial distribution of water and wind erosion and their influence on the soil quality at the agropastoral ecotone of North China. <i>International Soil and Water Conservation Research</i> , 2020, 8, 253-265.	3.0	18
12	The impact of concentrated flow and slope on unpaved loess road erosion on the Chinese Loess Plateau. <i>Land Degradation and Development</i> , 2021, 32, 914-925.	1.8	17
13	Influence of bare soil and cultivated land use types upstream of a bank gully on soil erosion rates and energy consumption for different gully erosion zones in the dry-hot valley region, Southwest China. <i>Natural Hazards</i> , 2015, 79, 183-202.	1.6	16
14	Simulation and ¹³⁷ Cs tracer show tillage erosion translocating soil organic carbon, phosphorus, and potassium. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 647-654.	1.1	14
15	Impact of grass belt position on the hydraulic properties of runoff in gully beds in the Yuanmou Dry-hot valley region of Southwest China. <i>Physical Geography</i> , 2015, 36, 408-425.	0.6	14
16	Variation in the vertical zonality of erodibility and critical shear stress of rill erosion in China's Hengduan Mountains. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 88-97.	1.2	13
17	Simulation of the landform change process on a purple soil slope due to tillage erosion and water erosion using UAV technology. <i>Journal of Mountain Science</i> , 2020, 17, 1333-1344.	0.8	12
18	¹³⁷ Cs tracing dynamics of soil erosion, organic carbon, and total nitrogen in terraced fields and forestland in the Middle Mountains of Nepal. <i>Journal of Mountain Science</i> , 2016, 13, 1829-1839.	0.8	11

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19	¹³⁷ Cs tracing of the spatial patterns in soil redistribution, organic carbon and total nitrogen in the southeastern Tibetan Plateau. <i>International Soil and Water Conservation Research</i> , 2023, 11, 86-96.	3.0	6
20	Changes in SOC and nutrients under intensive tillage in two types of slope landscapes. <i>Journal of Mountain Science</i> , 2012, 9, 67-76.	0.8	5
21	Spatial variation in soil, SOC, and total N redistribution on affected and non-affected slope terraces due to the 8.0 Wenchuan Earthquake in 2008 by using ¹³⁷ Cs technique. <i>Catena</i> , 2017, 155, 191-199.	2.2	5
22	Using two contrasting methods with the same tracers to trace the main sediment source in a mountainous catchment. <i>Journal of Mountain Science</i> , 2019, 16, 2257-2270.	0.8	5
23	Impacts of native vegetation on the hydraulic properties of the concentrated flows in bank gullies. <i>Journal of Mountain Science</i> , 2021, 18, 907-922.	0.8	4
24	Effects of the root morphological characteristics of different herbaceous species on soil shear strength and soil anti-scourability in the dry-hot valley region of South-western China. <i>Soil Research</i> , 2020, 58, 189.	0.6	3
25	Simulation of the impacts of native vegetation and polyacrylamide on hydraulic properties and heavy metal concentrations at mine dumps. <i>Land Degradation and Development</i> , 2021, 32, 2749-2761.	1.8	1