

# Zheng-an Su

## List of Publications by Citations

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24  
papers

319  
citations

11  
h-index

17  
g-index

25  
ext. papers

413  
ext. citations

3.7  
avg. IF

3.18  
L-index

#	Paper	IF	Citations
24	Effect of Soil Erosion on Soil Properties and Crop Yields on Slopes in the Sichuan Basin, China. <i>Pedosphere</i> , <b>2010</b> , 20, 736-746	5	50
23	Simulated headward erosion of bank gullies in the Dry-hot Valley Region of southwest China. <i>Geomorphology</i> , <b>2014</b> , 204, 532-541	4.3	44
22	The distribution of and factors influencing the vegetation in a gully in the Dry-hot Valley of southwest China. <i>Catena</i> , <b>2014</b> , 116, 60-67	5.8	35
21	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> , <b>2015</b> , 40, 1351-1363	3.7	29
20	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> , <b>2018</b> , 43, 2271-2282	3.7	18
19	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> , <b>2018</b> , 29, 1672-1682	4.4	16
18	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> , <b>2019</b> , 176, 14-25	5.8	14
17	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> , <b>2015</b> , 79, 183-202	3	12
16	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> , <b>2016</b> , 37, 409-429	1.8	12
15	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> , <b>2018</b> , 15, 1546-1558	2.1	12
14	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> , <b>2017</b> , 152, 299-310	5.8	11
13	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> , <b>2015</b> , 36, 408-425	1.8	11
12	Simulation and <sup>137</sup> Cs tracer show tillage erosion translocating soil organic carbon, phosphorus, and potassium. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2013</b> , 176, 647-654	2.3	10
11	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> , <b>2019</b> , 44, 88-97	3.7	9
10	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> , <b>2020</b> , 17, 1333-1344	2.1	8
9	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> , <b>2020</b> , 8, 253-265	6.9	6
8	<sup>137</sup> 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> , <b>2016</b> , 13, 1829-1839	2.1	6

7	The impact of concentrated flow and slope on unpaved loess-road erosion on the Chinese Loess Plateau. <i>Land Degradation and Development</i> , <b>2021</b> , 32, 914-925	4.4	6
6	Changes in SOC and nutrients under intensive tillage in two types of slope landscapes. <i>Journal of Mountain Science</i> , <b>2012</b> , 9, 67-76	2.1	5
5	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 137Cs technique. <i>Catena</i> , <b>2017</b> , 155, 191-199	5.8	3
4	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> , <b>2020</b> , 58, 189	1.8	1
3	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> , <b>2021</b> , 32, 2749-2761	4.4	1
2	Using two contrasting methods with the same tracers to trace the main sediment source in a mountainous catchment. <i>Journal of Mountain Science</i> , <b>2019</b> , 16, 2257-2270	2.1	0
1	Impacts of native vegetation on the hydraulic properties of the concentrated flows in bank gullies. <i>Journal of Mountain Science</i> , <b>2021</b> , 18, 907-922	2.1	0