

Gang-cai Liu

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36

papers

542

citations

12

h-index

22

g-index

36

ext. papers

693

ext. citations

3.8

avg, IF

3.69

L-index

#	Paper	IF	Citations
36	Spatial prediction of soil organic matter content integrating artificial neural network and ordinary kriging in Tibetan Plateau. <i>Ecological Indicators</i> , 2014 , 45, 184-194	5.8	134
35	Characterizing the morphology of gully cross-sections based on PCA: A case of Yuanmou Dry-Hot Valley. <i>Geomorphology</i> , 2015 , 228, 703-713	4.3	44
34	Effects of vegetation restoration types on soil quality in Yuanmou dry-hot valley, China. <i>Soil Science and Plant Nutrition</i> , 2013 , 59, 347-360	1.6	30
33	Plants adapted to nutrient limitation allocate less biomass into stems in an arid-hot grassland. <i>New Phytologist</i> , 2016 , 211, 1232-40	9.8	28
32	Nitrogen and phosphorus associating with different size suspended solids in roof and road runoff in Beijing, China. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15788-95	5.1	24
31	Laboratory investigation of disintegration characteristics of purple mudstone under different hydrothermal conditions. <i>Journal of Mountain Science</i> , 2012 , 9, 127-136	2.1	23
30	Experimental study on the development of collapse of overhanging layers of gully in Yuanmou Valley, China. <i>Catena</i> , 2013 , 109, 177-185	5.8	22
29	Temporal variation of soil organic matter content and potential determinants in Tibet, China. <i>Catena</i> , 2011 , 85, 288-294	5.8	21
28	Identification and application of amino acids as chelators in phytoremediation of rare earth elements lanthanum and yttrium. <i>Plant and Soil</i> , 2013 , 373, 329-338	4.2	20
27	Quantitative determination of the effect of temperature on mudstone decay during wet-dry cycles: A case study of purple mudstone from south-western China. <i>Geomorphology</i> , 2015 , 246, 1-6	4.3	19
26	The effects of agricultural management on selected soil properties of the arable soils in Tibet, China. <i>Catena</i> , 2012 , 93, 1-8	5.8	19
25	Assessment of regional ecological security based on ecological footprint and influential factors analysis: a case study of Chongqing Municipality, China. <i>International Journal of Sustainable Development and World Ecology</i> , 2010 , 17, 390-400	3.8	16
24	A quantitative determination of the effect of moisture on purple mudstone decay in Southwestern China. <i>Catena</i> , 2016 , 139, 28-31	5.8	12
23	Effect of moisture and temperature conditions on the decay rate of a purple mudstone in southwestern China. <i>Geomorphology</i> , 2013 , 182, 125-132	4.3	12
22	Characteristics of surface runoff and throughflow in a purple soil of Southwestern China under various rainfall events. <i>Hydrological Processes</i> , 2005 , 19, 1883-1891	3.3	11
21	Morphology and controlling factors of the longitudinal profile of gullies in the Yuanmou dry-hot valley. <i>Journal of Mountain Science</i> , 2017 , 14, 674-693	2.1	10
20	Physico-chemical properties and enzyme activities of the arable soils in Lhasa, Tibet, China. <i>Journal of Mountain Science</i> , 2012 , 9, 558-569	2.1	10

19	Planar morphology and controlling factors of the gullies in the Yuanmou Dry-hot Valley based on field investigation. <i>Journal of Arid Land</i> , 2015 , 7, 778-793	2.2	9
18	A quantification of the effects of erosion on the productivity of purple soils. <i>Journal of Mountain Science</i> , 2012 , 9, 96-104	2.1	9
17	Impacts of simulated acid solution on the disintegration and cation release of purple rock (mudstone) in Southwest China. <i>Geomorphology</i> , 2018 , 316, 35-43	4.3	9
16	Hydrochemistry of waters in snowpacks, lakes and streams of Mt. Dagu, eastern of Tibet Plateau. <i>Science of the Total Environment</i> , 2018 , 610-611, 641-650	10.2	8
15	Spatial and temporal dynamics of soil moisture after rainfall events along a slope in Regosols of southwest China. <i>Hydrological Processes</i> , 2007 , 21, 2778-2784	3.3	8
14	The effects of land uses on purplish soil erosion in hilly area of Sichuan Province, China. <i>Journal of Mountain Science</i> , 2005 , 2, 68-75	2.1	7
13	Vegetation rehabilitation increases soil enzyme activities in degraded land via carbon supply and nitrogen retention. <i>European Journal of Soil Biology</i> , 2020 , 98, 103186	2.9	6
12	Determination of nitrogen and phosphorus fertilisation rates for tobacco based on economic response and nutrient concentrations in local stream water. <i>Agriculture, Ecosystems and Environment</i> , 2020 , 304, 107136	5.7	6
11	Temperature and soil microorganisms interact to affect <i>Dodonaea viscosa</i> growth on mountainsides. <i>Plant Ecology</i> , 2018 , 219, 759-774	1.7	4
10	Spatio-temporal trends and causes of variations in runoff and sediment load of the Jinsha River in China. <i>Journal of Mountain Science</i> , 2019 , 16, 2361-2378	2.1	4
9	Modeling the morphology of gully cross sections in the Yuanmou Dry-hot Valley. <i>Physical Geography</i> , 2017 , 38, 448-469	1.8	3
8	Variation of rill cross-sections with gravel and aggregating soil in the Dry-Hot Valley (SW China). <i>Modeling Earth Systems and Environment</i> , 2019 , 5, 1239-1252	3.2	3
7	Experimental investigations of the evolution of step-pools in rills with heterogeneous soils in Yuanmou Dry-Hot Valley, SW China. <i>Catena</i> , 2020 , 194, 104690	5.8	3
6	Responses of <i>Dodonaea viscosa</i> growth and soil biological properties to nitrogen and phosphorus additions in Yuanmou dry-hot valley. <i>Journal of Mountain Science</i> , 2018 , 15, 1283-1298	2.1	3
5	Estimating individual- and stand-level stem CO ₂ efflux in a subalpine forest: assessment of different extrapolation methods. <i>Trees - Structure and Function</i> , 2019 , 33, 1603-1613	2.6	2
4	Response of the soil bacterial community to reciprocal soil translocation along an elevation and temperature landscape gradient. <i>Applied Soil Ecology</i> , 2020 , 147, 103357	5	2
3	Spatiotemporal variation of soil organic carbon in the cultivated soil layer of dry land in the South-Western Yunnan Plateau, China. <i>Journal of Mountain Science</i> , 2017 , 14, 2484-2497	2.1	1
2	Environmental drivers of soil microbial activity and diversity along an elevational gradient. <i>Journal of Mountain Science</i> , 2022 , 19, 1336-1347	2.1	0

- 1 Plant-soil feedback effects on the performance and functional traits of *Dodonaea viscosa* in a dry-hot valley, China. *Plant Ecology*, **2021**, 222, 1209-1224

1.7