

Jun Zhou

List of Publications by Year in descending order

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69
papers

2,520
citations

201385

27
h-index

214527

47
g-index

72
all docs

72
docs citations

72
times ranked

2495
citing authors

#	ARTICLE	IF	CITATIONS
1	Foliar spraying with silicon and selenium reduces cadmium uptake and mitigates cadmium toxicity in rice. <i>Science of the Total Environment</i> , 2018, 631-632, 1100-1108.	3.9	211
2	Current state, sources, and potential risk of heavy metals in sediments of Three Gorges Reservoir, China. <i>Environmental Pollution</i> , 2016, 214, 485-496.	3.7	167
3	Synchrotron-based P K-edge XANES spectroscopy reveals rapid changes of phosphorus speciation in the topsoil of two glacier foreland chronosequences. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 108, 154-171.	1.6	113
4	Study of the bioavailability of heavy metals from atmospheric deposition on the soil-pakchoi (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	6.5	109
5	Spatial variation of heavy metal contamination in the riparian sediments after two-year flow regulation in the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2019, 649, 1004-1016.	3.9	104
6	Stoichiometric variation of carbon, nitrogen, and phosphorus in soils and its implication for nutrient limitation in alpine ecosystem of Eastern Tibetan Plateau. <i>Journal of Soils and Sediments</i> , 2016, 16, 405-416.	1.5	100
7	Historical trends of anthropogenic metals in Eastern Tibetan Plateau as reconstructed from alpine lake sediments over the last century. <i>Chemosphere</i> , 2016, 148, 211-219.	4.2	82
8	The spatial and vertical distribution of heavy metal contamination in sediments of the Three Gorges Reservoir determined by anti-seasonal flow regulation. <i>Science of the Total Environment</i> , 2019, 664, 79-88.	3.9	81
9	Carbon demand drives microbial mineralization of organic phosphorus during the early stage of soil development. <i>Biology and Fertility of Soils</i> , 2016, 52, 825-839.	2.3	80
10	The fate of phosphorus in sediments after the full operation of the Three Gorges Reservoir, China. <i>Environmental Pollution</i> , 2016, 214, 282-289.	3.7	77
11	Changes of soil phosphorus speciation along a 120-year soil chronosequence in the Hailuoguo Glacier retreat area (Gongga Mountain, SW China). <i>Geoderma</i> , 2013, 195-196, 251-259.	2.3	68
12	Bryophyte Species Richness and Composition along an Altitudinal Gradient in Gongga Mountain, China. <i>PLoS ONE</i> , 2013, 8, e58131.	1.1	67
13	Exposure risk of local residents to copper near the largest flash copper smelter in China. <i>Science of the Total Environment</i> , 2018, 630, 453-461.	3.9	66
14	Health risks to local residents from the exposure of heavy metals around the largest copper smelter in China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 329-336.	2.9	66
15	Vegetation type rather than climate modulates the variation in soil enzyme activities and stoichiometry in subalpine forests in the eastern Tibetan Plateau. <i>Geoderma</i> , 2020, 374, 114424.	2.3	61
16	Alkaline phosphatase activity mediates soil organic phosphorus mineralization in a subalpine forest ecosystem. <i>Geoderma</i> , 2021, 404, 115376.	2.3	60
17	Atmospheric deposition of lead in remote high mountain of eastern Tibetan Plateau, China. <i>Atmospheric Environment</i> , 2014, 99, 425-435.	1.9	55
18	Temperature and precipitation variations at two meteorological stations on eastern slope of Gongga Mountain, SW China in the past two decades. <i>Journal of Mountain Science</i> , 2013, 10, 370-377.	0.8	51

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19	Soil nematode assemblages as bioindicators of primary succession along a 120-year-old chronosequence on the Hailuogou Glacier forefield, SW China. <i>Soil Biology and Biochemistry</i> , 2015, 88, 362-371.	4.2	46
20	Vegetation and Cold Trapping Modulating Elevation-dependent Distribution of Trace Metals in Soils of a High Mountain in Eastern Tibetan Plateau. <i>Scientific Reports</i> , 2016, 6, 24081.	1.6	46
21	Variations in soil phosphorus biogeochemistry across six vegetation types along an altitudinal gradient in SW China. <i>Catena</i> , 2016, 142, 102-111.	2.2	39
22	Distributions and pools of lead (Pb) in a terrestrial forest ecosystem with highly elevated atmospheric Pb deposition and ecological risks to insects. <i>Science of the Total Environment</i> , 2019, 647, 932-941.	3.9	38
23	Rapid weathering processes of a 120-year-old chronosequence in the Hailuogou Glacier foreland, Mt. Gongga, SW China. <i>Geoderma</i> , 2016, 267, 78-91.	2.3	35
24	Barrier effects of remote high mountain on atmospheric metal transport in the eastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2018, 628-629, 687-696.	3.9	32
25	Mobilization of soil phosphate after 8 years of warming is linked to plant phosphorus acquisition strategies in an alpine meadow on the Qinghai-Tibetan Plateau. <i>Global Change Biology</i> , 2021, 27, 6578-6591.	4.2	32
26	Chemical speciation of trace metals in atmospheric deposition and impacts on soil geochemistry and vegetable bioaccumulation near a large copper smelter in China. <i>Journal of Hazardous Materials</i> , 2021, 413, 125346.	6.5	31
27	Atmospheric deposition of Cd accumulated in the montane soil, Gongga Mt., China. <i>Journal of Soils and Sediments</i> , 2011, 11, 940-946.	1.5	30
28	Biomonitoring trace metal contamination by seven sympatric alpine species in Eastern Tibetan Plateau. <i>Chemosphere</i> , 2016, 165, 388-398.	4.2	29
29	Variations of bacterial and fungal communities along a primary successional chronosequence in the Hailuogou glacier retreat area (Gongga Mountain, SW China). <i>Journal of Mountain Science</i> , 2016, 13, 1621-1631.	0.8	27
30	Weathering of primary mineral phosphate in the early stages of ecosystem development in the Hailuogou Glacier foreland chronosequence. <i>European Journal of Soil Science</i> , 2018, 69, 450-461.	1.8	23
31	Low molecular weight organic acids regulate soil phosphorus availability in the soils of subalpine forests, eastern Tibetan Plateau. <i>Catena</i> , 2021, 203, 105328.	2.2	23
32	Phosphorus biogeochemical cycle research in mountainous ecosystems. <i>Journal of Mountain Science</i> , 2013, 10, 43-53.	0.8	21
33	Soil phosphorus bioavailability assessed by XANES and Hedley sequential fractionation technique in a glacier foreland chronosequence in Gongga Mountain, Southwestern China. <i>Science China Earth Sciences</i> , 2014, 57, 1860-1868.	2.3	21
34	Mobility and eco-risk of trace metals in soils at the Hailuogou Glacier foreland in eastern Tibetan Plateau. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5721-5732.	2.7	21
35	Altitudinal Gradient of Microbial Biomass Phosphorus and Its Relationship with Microbial Biomass Carbon, Nitrogen, and Rhizosphere Soil Phosphorus on the Eastern Slope of Gongga Mountain, SW China. <i>PLoS ONE</i> , 2013, 8, e72952.	1.1	20
36	Soil microbes become a major pool of biological phosphorus during the early stage of soil development with little evidence of competition for phosphorus with plants. <i>Plant and Soil</i> , 2020, 446, 259-274.	1.8	20

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37	Fine sediment particle microscopic characteristics, bioavailable phosphorus and environmental effects in the world largest reservoir. <i>Environmental Pollution</i> , 2020, 265, 114917.	3.7	20
38	Comparison of element concentrations in fir and rhododendron leaves and twigs along an altitudinal gradient. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2608-2619.	2.2	19
39	Biomonitoring trace element contamination impacted by atmospheric deposition in China's remote mountains. <i>Atmospheric Research</i> , 2019, 224, 30-41.	1.8	19
40	Labile fractions of soil nutrients shape the distribution of bacterial communities towards phosphorus recycling systems over elevation gradients in Gongga Mountain, SW China. <i>European Journal of Soil Biology</i> , 2020, 98, 103185.	1.4	19
41	Trace metals of needles and litter in timberline forests in the Eastern of Tibetan Plateau, China. <i>Ecological Indicators</i> , 2014, 45, 669-676.	2.6	16
42	Available forms of nutrients and heavy metals control the distribution of microbial phospholipid fatty acids in sediments of the Three Gorges Reservoir, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5740-5751.	2.7	16
43	Leaching disturbed the altitudinal distribution of soil organic phosphorus in subalpine coniferous forests on Mt. Gongga, SW China. <i>Geoderma</i> , 2018, 326, 144-155.	2.3	16
44	<i>Xylomelum occidentale</i> (Proteaceae) accesses relatively mobile soil organic phosphorus without releasing carboxylates. <i>Journal of Ecology</i> , 2021, 109, 246-259.	1.9	16
45	Soil sulphur speciation in two glacier forefield soil chronosequences assessed by ^{33}S K-edge XANES spectroscopy. <i>European Journal of Soil Science</i> , 2013, 64, 260-272.	1.8	15
46	Altitudinal patterns and controls of trace metal distribution in soils of a remote high mountain, Southwest China. <i>Environmental Geochemistry and Health</i> , 2018, 40, 505-519.	1.8	15
47	Sustained increase in soil respiration after nine years of warming in an alpine meadow on the Tibetan Plateau. <i>Geoderma</i> , 2020, 379, 114641.	2.3	15
48	Climate influences the alpine soil bacterial communities by regulating the vegetation and the soil properties along an altitudinal gradient in SW China. <i>Catena</i> , 2020, 195, 104727.	2.2	15
49	Transformation of soil organic phosphorus along the Hailuoguo post-glacial chronosequence, southeastern edge of the Tibetan Plateau. <i>Geoderma</i> , 2019, 352, 414-421.	2.3	14
50	Divergent patterns of soil phosphorus discharge from water-level fluctuation zone after full impoundment of Three Gorges Reservoir, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2559-2568.	2.7	14
51	Distribution and potential eco-risk of chromium and nickel in sediments after impoundment of Three Gorges Reservoir, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 172-185.	1.7	13
52	Air-drying changes the distribution of Hedley phosphorus pools in forest soils. <i>Pedosphere</i> , 2020, 30, 272-284.	2.1	13
53	In the beginning, there was only bare regolith then some plants arrived and changed the regolith. <i>Journal of Plant Ecology</i> , 2020, 13, 511-516.	1.2	13
54	An improved open-top chamber warming system for global change research. <i>Silva Fennica</i> , 2013, 47, .	0.5	12

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55	The cadmium and lead of soil in timberline coniferous forests, Eastern Tibetan Plateau. <i>Environmental Earth Sciences</i> , 2015, 73, 303-310.	1.3	11
56	Spatial distribution and temporal trends of mercury and arsenic in remote timberline coniferous forests, eastern of the Tibet Plateau, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11658-11668.	2.7	11
57	Rapid loss of phosphorus during early pedogenesis along a glacier retreat chronosequence, Gongga Mountain (SW China). <i>PeerJ</i> , 2015, 3, e1377.	0.9	11
58	Microorganisms drive stabilization and accumulation of organic phosphorus: An incubation experiment. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108750.	4.2	11
59	Effects of pioneer N ₂ -fixing plants on the resource status and establishment of neighboring non-N ₂ -fixing plants in a newly formed glacier floodplain, eastern Tibetan Plateau. <i>Plant and Soil</i> , 2021, 458, 261-276.	1.8	9
60	The chromium in timberline forests in the eastern Tibetan Plateau. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1930.	1.7	6
61	Terrain-modulated deposition of atmospheric lead in the soils of alpine forest, central China. <i>Science of the Total Environment</i> , 2021, 790, 148106.	3.9	6
62	Tracing environmental lead sources on the Ao mountain of China using lead isotopic composition and biomonitoring. <i>Journal of Mountain Science</i> , 2017, 14, 1358-1372.	0.8	5
63	Comments on "Unravelling community assemblages through multi-element stoichiometry in plant leaves and roots across primary successional stages in a glacier retreat area" by Jiang et al.. <i>Plant and Soil</i> , 2018, 433, 1-5.	1.8	5
64	Seasonal and spatial distribution of trace metals in alpine soils of Eastern Tibetan Plateau, China. <i>Journal of Mountain Science</i> , 2017, 14, 1591-1603.	0.8	3
65	Water quality variation and its conditioning factors in the Three Gorges Reservoir, China. <i>Journal of Water and Climate Change</i> , 2021, 12, 1694-1707.	1.2	3
66	Incubation experiment demonstrates effects of carbon and nitrogen on microbial phosphate-solubilizing function. <i>Science China Life Sciences</i> , 2017, 60, 436-438.	2.3	2
67	Carbon storage of the forest and its spatial pattern in Tibet, China. <i>Journal of Mountain Science</i> , 2021, 18, 1748-1761.	0.8	2
68	Response to Ding et al.: Carboxylate exudation promotes C sequestration in dryland ecosystems. <i>Trends in Ecology and Evolution</i> , 2022, 37, 12-13.	4.2	2
69	Soil respiration in the deglaciated area on Gongga Mountain, Southwest China. , 2011, , .		0