

# Jun Zhou

## List of Publications by Citations

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68

papers

1,618

citations

23

h-index

38

g-index

72

ext. papers

2,058

ext. citations

5.8

avg, IF

5.06

L-index

#	Paper	IF	Citations
68	Foliar spraying with silicon and selenium reduces cadmium uptake and mitigates cadmium toxicity in rice. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 1100-1108	10.2	123
67	Current state, sources, and potential risk of heavy metals in sediments of Three Gorges Reservoir, China. <i>Environmental Pollution</i> , <b>2016</b> , 214, 485-496	9.3	118
66	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> , <b>2013</b> , 108, 154-171	5.5	97
65	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> , <b>2019</b> , 649, 1004-1016	10.2	74
64	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> , <b>2016</b> , 16, 405-416	3.4	66
63	The fate of phosphorus in sediments after the full operation of the Three Gorges Reservoir, China. <i>Environmental Pollution</i> , <b>2016</b> , 214, 282-289	9.3	62
62	Historical trends of anthropogenic metals in Eastern Tibetan Plateau as reconstructed from alpine lake sediments over the last century. <i>Chemosphere</i> , <b>2016</b> , 148, 211-9	8.4	61
61	Study of the bioavailability of heavy metals from atmospheric deposition on the soil-pakchoi ( <i>Brassica chinensis</i> L.) system. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 362, 9-16	12.8	58
60	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> , <b>2019</b> , 664, 79-88	10.2	52
59	Changes of soil phosphorus speciation along a 120-year soil chronosequence in the Hailuoguo Glacier retreat area (Gongga Mountain, SW China). <i>Geoderma</i> , <b>2013</b> , 195-196, 251-259	6.7	51
58	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> , <b>2013</b> , 10, 370-377	2.1	47
57	Exposure risk of local residents to copper near the largest flash copper smelter in China. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 453-461	10.2	43
56	Carbon demand drives microbial mineralization of organic phosphorus during the early stage of soil development. <i>Biology and Fertility of Soils</i> , <b>2016</b> , 52, 825-839	6.1	43
55	Health risks to local residents from the exposure of heavy metals around the largest copper smelter in China. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 171, 329-336	7	43
54	Atmospheric deposition of lead in remote high mountain of eastern Tibetan Plateau, China. <i>Atmospheric Environment</i> , <b>2014</b> , 99, 425-435	5.3	41
53	Bryophyte species richness and composition along an altitudinal gradient in Gongga Mountain, China. <i>PLoS ONE</i> , <b>2013</b> , 8, e58131	3.7	40
52	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> , <b>2016</b> , 6, 24081	4.9	34

51	Variations in soil phosphorus biogeochemistry across six vegetation types along an altitudinal gradient in SW China. <i>Catena</i> , <b>2016</b> , 142, 102-111	5.8	29
50	Atmospheric deposition of Cd accumulated in the montane soil, Gongga Mt., China. <i>Journal of Soils and Sediments</i> , <b>2011</b> , 11, 940-946	3.4	28
49	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> , <b>2015</b> , 88, 362-371	7.5	27
48	Rapid weathering processes of a 120-year-old chronosequence in the Hailuogou Glacier foreland, Mt. Gongga, SW China. <i>Geoderma</i> , <b>2016</b> , 267, 78-91	6.7	25
47	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> , <b>2019</b> , 647, 932-941	10.2	25
46	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> , <b>2020</b> , 374, 114424	6.7	23
45	Biomonitoring trace metal contamination by seven sympatric alpine species in Eastern Tibetan Plateau. <i>Chemosphere</i> , <b>2016</b> , 165, 388-398	8.4	22
44	Barrier effects of remote high mountain on atmospheric metal transport in the eastern Tibetan Plateau. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 687-696	10.2	19
43	Phosphorus biogeochemical cycle research in mountainous ecosystems. <i>Journal of Mountain Science</i> , <b>2013</b> , 10, 43-53	2.1	18
42	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> , <b>2016</b> , 13, 1621-1631 <sup>18</sup>	2.1	18
41	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> , <b>2016</b> , 23, 5721-32	5.1	16
40	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> , <b>2014</b> , 57, 1860-1868	4.6	16
39	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> , <b>2013</b> , 8, e72952	3.7	16
38	Soil sulphur speciation in two glacier forefield soil chronosequences assessed by S K-edge XANES spectroscopy. <i>European Journal of Soil Science</i> , <b>2013</b> , 64, 260-272	3.4	15
37	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> , <b>2018</b> , 69, 450-461	3.4	14
36	Trace metals of needles and litter in timberline forests in the Eastern of Tibetan Plateau, China. <i>Ecological Indicators</i> , <b>2014</b> , 45, 669-676	5.8	14
35	Comparison of element concentrations in fir and rhododendron leaves and twigs along an altitudinal gradient. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2608-19	3.8	13
34	Altitudinal patterns and controls of trace metal distribution in soils of a remote high mountain, Southwest China. <i>Environmental Geochemistry and Health</i> , <b>2018</b> , 40, 505-519	4.7	12

33	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> , <b>2017</b> , 23, 172-185	4.9	12
32	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> , <b>2020</b> , 446, 259-274	4.2	12
31	Xylomelum occidentale (Proteaceae) accesses relatively mobile soil organic phosphorus without releasing carboxylates. <i>Journal of Ecology</i> , <b>2021</b> , 109, 246-259	6	12
30	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> , <b>2018</b> , 25, 5740-5751	5.1	12
29	Biomonitoring trace element contamination impacted by atmospheric deposition in China's remote mountains. <i>Atmospheric Research</i> , <b>2019</b> , 224, 30-41	5.4	11
28	The cadmium and lead of soil in timberline coniferous forests, Eastern Tibetan Plateau. <i>Environmental Earth Sciences</i> , <b>2015</b> , 73, 303-310	2.9	11
27	Fine sediment particle microscopic characteristics, bioavailable phosphorus and environmental effects in the world largest reservoir. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114917	9.3	11
26	Rapid loss of phosphorus during early pedogenesis along a glacier retreat chronosequence, Gongga Mountain (SW China). <i>PeerJ</i> , <b>2015</b> , 3, e1377	3.1	10
25	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> , <b>2019</b> , 26, 2559-2568	5.1	10
24	Transformation of soil organic phosphorus along the Hailuoguo post-glacial chronosequence, southeastern edge of the Tibetan Plateau. <i>Geoderma</i> , <b>2019</b> , 352, 414-421	6.7	8
23	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> , <b>2015</b> , 22, 11658-68	5.1	8
22	An improved open-top chamber warming system for global change research. <i>Silva Fennica</i> , <b>2013</b> , 47,	1.9	8
21	In the beginning, there was only bare regolith. When some plants arrived and changed the regolith. <i>Journal of Plant Ecology</i> , <b>2020</b> , 13, 511-516	1.7	8
20	Leaching disturbed the altitudinal distribution of soil organic phosphorus in subalpine coniferous forests on Mt. Gongga, SW China. <i>Geoderma</i> , <b>2018</b> , 326, 144-155	6.7	8
19	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> , <b>2020</b> , 98, 103185	2.9	7
18	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> , <b>2021</b> , 413, 125346	12.8	7
17	Air-drying changes the distribution of Hedley phosphorus pools in forest soils. <i>Pedosphere</i> , <b>2020</b> , 30, 272-284	5	7
16	Alkaline phosphatase activity mediates soil organic phosphorus mineralization in a subalpine forest ecosystem. <i>Geoderma</i> , <b>2021</b> , 404, 115376	6.7	7

15	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> , <b>2020</b> , 195, 104727	5.8	6
14	The chromium in timberline forests in the eastern Tibetan Plateau. <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 1930-7	4.3	6
13	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> , <b>2021</b> , 27, 6578-6591	11.4	6
12	Tracing environmental lead sources on the Ao mountain of China using lead isotopic composition and biomonitoring. <i>Journal of Mountain Science</i> , <b>2017</b> , 14, 1358-1372	2.1	5
11	Sustained increase in soil respiration after nine years of warming in an alpine meadow on the Tibetan Plateau. <i>Geoderma</i> , <b>2020</b> , 379, 114641	6.7	5
10	Effects of pioneer N <sub>2</sub> -fixing plants on the resource status and establishment of neighboring non-N <sub>2</sub> -fixing plants in a newly formed glacier floodplain, eastern Tibetan Plateau. <i>Plant and Soil</i> , <b>2021</b> , 458, 261-276	4.2	5
9	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> , <b>2018</b> , 433, 1-5	4.2	4
8	Low molecular weight organic acids regulate soil phosphorus availability in the soils of subalpine forests, eastern Tibetan Plateau. <i>Catena</i> , <b>2021</b> , 203, 105328	5.8	4
7	Incubation experiment demonstrates effects of carbon and nitrogen on microbial phosphate-solubilizing function. <i>Science China Life Sciences</i> , <b>2017</b> , 60, 436-438	8.5	2
6	Seasonal and spatial distribution of trace metals in alpine soils of Eastern Tibetan Plateau, China. <i>Journal of Mountain Science</i> , <b>2017</b> , 14, 1591-1603	2.1	2
5	Response to Ding et al.: Carboxylate exudation promotes C sequestration in dryland ecosystems. <i>Trends in Ecology and Evolution</i> , <b>2021</b> ,	10.9	1
4	Water quality variation and its conditioning factors in the Three Gorges Reservoir, China. <i>Journal of Water and Climate Change</i> , <b>2021</b> , 12, 1694-1707	2.3	0
3	Terrain-modulated deposition of atmospheric lead in the soils of alpine forest, central China. <i>Science of the Total Environment</i> , <b>2021</b> , 790, 148106	10.2	0
2	Microorganisms drive stabilization and accumulation of organic phosphorus: An incubation experiment. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 108750	7.5	0
1	Carbon storage of the forest and its spatial pattern in Tibet, China. <i>Journal of Mountain Science</i> , <b>2021</b> , 18, 1748-1761	2.1	