

Wenzhi Liu

List of Publications by Year in descending order

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64
papers

3,448
citations

147801

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65
docs citations

65
times ranked

3080
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying Carbon-Degrading Enzyme Activities in Association with Soil Organic Carbon Accumulation Under Land-Use Changes. <i>Ecosystems</i> , 2022, 25, 1219-1233.	3.4	7
2	Aquatic macrophytes mitigate the short-term negative effects of silver nanoparticles on denitrification and greenhouse gas emissions in riparian soils. <i>Environmental Pollution</i> , 2022, 293, 118611.	7.5	6
3	Co-selective Pressure of Cadmium and Doxycycline on the Antibiotic and Heavy Metal Resistance Genes in Ditch Wetlands. <i>Frontiers in Microbiology</i> , 2022, 13, 820920.	3.5	3
4	Geographic Dispersal Limitation Dominated Assembly Processes of Bacterial Communities on Microplastics Compared to Water and Sediment. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	7
5	Global blue carbon accumulation in tidal wetlands increases with climate change. <i>National Science Review</i> , 2021, 8, nwaa296.	9.5	132
6	Environmental adaptation is stronger for abundant rather than rare microorganisms in wetland soils from the Qinghai-Tibet Plateau. <i>Molecular Ecology</i> , 2021, 30, 2390-2403.	3.9	85
7	Effects of tetracycline on nitrogen and carbon cycling rates and microbial abundance in sediments with and without biochar amendment. <i>Chemosphere</i> , 2021, 270, 129509.	8.2	13
8	Microplastic contamination is ubiquitous in riparian soils and strongly related to elevation, precipitation and population density. <i>Journal of Hazardous Materials</i> , 2021, 411, 125178.	12.4	107
9	Microplastics are a hotspot for antibiotic resistance genes: Progress and perspective. <i>Science of the Total Environment</i> , 2021, 773, 145643.	8.0	130
10	Dredging alleviates cyanobacterial blooms by weakening diversity maintenance of bacterioplankton community. <i>Water Research</i> , 2021, 202, 117449.	11.3	29
11	The Diversity and Community Assembly Process of Wetland Plants from Lakeshores on the Qinghai-Tibetan Plateau. <i>Diversity</i> , 2021, 13, 685.	1.7	4
12	C, N, and P stoichiometry and their interaction with different plant communities and soils in subtropical riparian wetlands. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1024-1034.	5.3	25
13	Shifts in characteristics of the plant-soil system associated with flooding and revegetation in the riparian zone of Three Gorges Reservoir, China. <i>Geoderma</i> , 2020, 361, 114015.	5.1	36
14	Interactions between arbuscular mycorrhizal fungi and soil properties jointly influence plant C, N, and P stoichiometry in West Lake, Hangzhou. <i>RSC Advances</i> , 2020, 10, 39943-39953.	3.6	3
15	Adsorption mechanism of cadmium on microplastics and their desorption behavior in sediment and gut environments: The roles of water pH, lead ions, natural organic matter and phenanthrene. <i>Water Research</i> , 2020, 184, 116209.	11.3	195
16	Asymmetric response of soil methane uptake rate to land degradation and restoration: Data synthesis. <i>Global Change Biology</i> , 2020, 26, 6581-6593.	9.5	22
17	Microplastics provide new microbial niches in aquatic environments. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6501-6511.	3.6	217
18	Seeking the hotspots of nitrogen removal: A comparison of sediment denitrification rate and denitrifier abundance among wetland types with different hydrological conditions. <i>Science of the Total Environment</i> , 2020, 737, 140253.	8.0	17

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19	Environmental Factors, More Than Spatial Distance, Explain Community Structure of Soil Ammonia-Oxidizers in Wetlands on the Qinghai-Tibetan Plateau. <i>Microorganisms</i> , 2020, 8, 933.	3.6	12
20	Soil properties alter plant and microbial communities to modulate denitrification rates in subtropical riparian wetlands. <i>Land Degradation and Development</i> , 2020, 31, 1792-1802.	3.9	33
21	Environmental Factors and Microbial Diversity and Abundance Jointly Regulate Soil Nitrogen and Carbon Biogeochemical Processes in Tibetan Wetlands. <i>Environmental Science & Technology</i> , 2020, 54, 3267-3277.	10.0	75
22	The roles of environmental variation and spatial distance in explaining diversity and biogeography of soil denitrifying communities in remote Tibetan wetlands. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	17
23	Stoichiometric control on riparian wetland carbon and nutrient dynamics under different land uses. <i>Science of the Total Environment</i> , 2019, 697, 134127.	8.0	10
24	Metagenomic insights into the abundance and composition of resistance genes in aquatic environments: Influence of stratification and geography. <i>Environment International</i> , 2019, 127, 371-380.	10.0	98
25	Bacterial community and climate change implication affected the diversity and abundance of antibiotic resistance genes in wetlands on the Qinghai-Tibetan Plateau. <i>Journal of Hazardous Materials</i> , 2019, 361, 283-293.	12.4	80
26	Does hydrological reconnection enhance nitrogen cycling rates in the lakeshore wetlands of a eutrophic lake?. <i>Ecological Indicators</i> , 2019, 96, 241-249.	6.3	8
27	Plastics in the marine environment are reservoirs for antibiotic and metal resistance genes. <i>Environment International</i> , 2019, 123, 79-86.	10.0	305
28	Spatio-temporal dynamics, drivers and potential sources of heavy metal pollution in riparian soils along a 600-kilometre stream gradient in Central China. <i>Science of the Total Environment</i> , 2019, 651, 1935-1945.	8.0	56
29	Environmental factors, but not abundance and diversity of nitrifying microorganisms, explain sediment nitrification rates in Yangtze lakes. <i>RSC Advances</i> , 2018, 8, 1875-1883.	3.6	14
30	Spatial and Seasonal Dynamics of Water Quality, Sediment Properties and Submerged Vegetation in a Eutrophic Lake after Ten Years of Ecological Restoration. <i>Wetlands</i> , 2018, 38, 1147-1157.	1.5	4
31	Sediment nitrogen cycling rates and microbial abundance along a submerged vegetation gradient in a eutrophic lake. <i>Science of the Total Environment</i> , 2018, 616-617, 899-907.	8.0	49
32	Sediment denitrification in Yangtze lakes is mainly influenced by environmental conditions but not biological communities. <i>Science of the Total Environment</i> , 2018, 616-617, 978-987.	8.0	69
33	Soil aggregate-associated heavy metals subjected to different types of land use in subtropical China. <i>Global Ecology and Conservation</i> , 2018, 16, e00465.	2.1	20
34	Influence of Differ P Enrichment Frequency on Plant Growth and Plant C:N:P in a P-Limited Subtropical Lake Wetland, China. <i>Frontiers in Plant Science</i> , 2018, 9, 1608.	3.6	2
35	Spatial and Seasonal Patterns of Nutrients and Heavy Metals in Twenty-Seven Rivers Draining into the South China Sea. <i>Water (Switzerland)</i> , 2018, 10, 50.	2.7	17
36	Soil aggregate-associated organic carbon dynamics subjected to different types of land use: Evidence from ¹³ C natural abundance. <i>Ecological Engineering</i> , 2018, 122, 295-302.	3.6	40

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37	Has Submerged Vegetation Loss Altered Sediment Denitrification, N ₂ O Production, and Denitrifying Microbial Communities in Subtropical Lakes?. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1195-1207.	4.9	15
38	SOIL SEED BANK AND ITS RELATIONSHIP TO THE ABOVE-GROUND VEGETATION IN GRAZED AND UNGRAZED OXBOW WETLANDS OF THE YANGTZE RIVER, CHINA. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 959-967.	0.6	0
39	Revegetation affects soil denitrifying communities in a riparian ecotone. <i>Ecological Engineering</i> , 2017, 103, 256-263.	3.6	19
40	Edaphic Conditions Regulate Denitrification Directly and Indirectly by Altering Denitrifier Abundance in Wetlands along the Han River, China. <i>Environmental Science & Technology</i> , 2017, 51, 5483-5491.	10.0	79
41	Antibiotic resistance genes in lakes from middle and lower reaches of the Yangtze River, China: Effect of land use and sediment characteristics. <i>Chemosphere</i> , 2017, 178, 19-25.	8.2	114
42	Multi-scale factors affecting composition, diversity, and abundance of sediment denitrifying microorganisms in Yangtze lakes. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 8015-8027.	3.6	19
43	Response of greenhouse gas emissions from three types of wetland soils to simulated temperature change on the Qinghai-Tibetan Plateau. <i>Atmospheric Environment</i> , 2017, 171, 17-24.	4.1	31
44	The effects of climate, catchment land use and local factors on the abundance and community structure of sediment ammonia-oxidizing microorganisms in Yangtze lakes. <i>AMB Express</i> , 2017, 7, 173.	3.0	9
45	Distribution, source identification, and ecological risk assessment of heavy metals in wetland soils of a river-reservoir system. <i>Environmental Science and Pollution Research</i> , 2017, 24, 436-444.	5.3	60
46	Within-lake variability and environmental controls of sediment denitrification and associated N ₂ O production in a shallow eutrophic lake. <i>Ecological Engineering</i> , 2016, 97, 251-257.	3.6	22
47	Heavy metal concentrations in riparian soils along the Han River, China: The importance of soil properties, topography and upland land use. <i>Ecological Engineering</i> , 2016, 97, 545-552.	3.6	60
48	Quantitative impacts of population on river water quality in the Jinshui River basin of the South Qinling Mts., China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	19
49	Catchment agriculture and local environment affecting the soil denitrification potential and nitrous oxide production of riparian zones in the Han River Basin, China. <i>Agriculture, Ecosystems and Environment</i> , 2016, 216, 147-154.	5.3	48
50	Sediment denitrification and nitrous oxide production in Chinese plateau lakes with varying watershed land uses. <i>Biogeochemistry</i> , 2015, 123, 379-390.	3.5	28
51	Topography and land use effects on spatial variability of soil denitrification and related soil properties in riparian wetlands. <i>Ecological Engineering</i> , 2015, 83, 437-443.	3.6	66
52	Effects of surrounding land use on metal accumulation in environments and submerged plants in subtropical ponds. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18750-18758.	5.3	5
53	Revegetation impacts soil nitrogen dynamics in the water level fluctuation zone of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2015, 517, 76-85.	8.0	53
54	Shoreline Vegetation in the Danjiangkou Reservoir: Characteristics, Related Factors, and Differences with Adjacent Riverine Wetlands. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1014-1021.	1.1	6

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55	Heavy metals in water, sediments and submerged macrophytes in ponds around the Dianchi Lake, China. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 200-206.	6.0	98
56	Subtropical reservoir shorelines have reduced plant species and functional richness compared with adjacent riparian wetlands. <i>Environmental Research Letters</i> , 2013, 8, 044007.	5.2	30
57	Eutrophication in the Yunnan Plateau lakes: the influence of lake morphology, watershed land use, and socioeconomic factors. <i>Environmental Science and Pollution Research</i> , 2012, 19, 858-870.	5.3	91
58	Influences of watershed landscape composition and configuration on lake water quality in the Yangtze River basin of China. <i>Hydrological Processes</i> , 2012, 26, 570-578.	2.6	64
59	Influence of Vegetation Characteristics on Soil Denitrification in Shoreline Wetlands of the Danjiangkou Reservoir in China. <i>Clean - Soil, Air, Water</i> , 2011, 39, 109-115.	1.1	42
60	Effects of Watershed Land Use and Lake Morphometry on the Trophic State of Chinese Lakes: Implications for Eutrophication Control. <i>Clean - Soil, Air, Water</i> , 2011, 39, 35-42.	1.1	43
61	Lake eutrophication associated with geographic location, lake morphology and climate in China. <i>Hydrobiologia</i> , 2010, 644, 289-299.	2.0	107
62	Spatio-temporal dynamics of nutrients in the upper Han River basin, China. <i>Journal of Hazardous Materials</i> , 2009, 162, 1340-1346.	12.4	102
63	Seed banks of a river-reservoir wetland system and their implications for vegetation development. <i>Aquatic Botany</i> , 2009, 90, 7-12.	1.6	37
64	Water quality in relation to land use and land cover in the upper Han River Basin, China. <i>Catena</i> , 2008, 75, 216-222.	5.0	234