

Hang-Wei Hu

List of Publications by Year in descending order

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Version: 2024-02-01

266
papers

19,428
citations

13332

70
h-index

17891

125
g-index

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all docs

271
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271
times ranked

13889
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Speciesâ€Driven Distribution of Individual Clades of Comammox Nitrospira in a Subtropical Estuarine Wetland. <i>Microbial Ecology</i> , 2023, 85, 209-220.	1.4	8
2	Niche specialization of comammox <i>Nitrospira</i> in terrestrial ecosystems: Oligotrophic or copiotrophic?. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 161-176.	6.6	34
3	Tracing boron dynamics in agro-ecosystems using enriched (¹⁰ B, ¹¹ B) stable isotopic signatures: A centennial legacy. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 561-578.	1.3	2
4	Modified lignite and black coal reduce ammonia volatilization from cattle manure. <i>Journal of Environmental Management</i> , 2022, 301, 113807.	3.8	10
5	Attenuation of antibiotic resistance genes in livestock manure through vermicomposting via <i>Protococcus</i> and its fate in a soil-vegetable system. <i>Science of the Total Environment</i> , 2022, 807, 150781.	3.9	11
6	Differentiation of individual clusters of comammox <i>Nitrospira</i> in an acidic Ultisol following long-term fertilization. <i>Applied Soil Ecology</i> , 2022, 170, 104267.	2.1	15
7	Short-term cellulose addition decreases microbial diversity and network complexity in an Ultisol following 32-year fertilization. <i>Agriculture, Ecosystems and Environment</i> , 2022, 325, 107744.	2.5	20
8	Arbuscular mycorrhiza fungi increase soil denitrifier abundance relating to vegetation community. <i>Applied Soil Ecology</i> , 2022, 171, 104325.	2.1	2
9	Proximity to subsurface drip irrigation emitters altered soil microbial communities in two commercial processing tomato fields. <i>Applied Soil Ecology</i> , 2022, 171, 104315.	2.1	2
10	The end of hunger: fertilizers, microbes and plant productivity. <i>Microbial Biotechnology</i> , 2022, 15, 1050-1054.	2.0	22
11	Conversion of grassland to cropland altered soil nitrogen-related microbial communities at large scales. <i>Science of the Total Environment</i> , 2022, 816, 151645.	3.9	13
12	Livestock manure spiked with the antibiotic tylosin significantly altered soil protist functional groups. <i>Journal of Hazardous Materials</i> , 2022, 427, 127867.	6.5	9
13	Unravelling the ecological complexity of soil viromes: Challenges and opportunities. <i>Science of the Total Environment</i> , 2022, 812, 152217.	3.9	10
14	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4308-4324.	6.6	52
15	Environmental filtering controls soil biodiversity in wet tropical ecosystems. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108571.	4.2	3
16	Aridity decreases soil protistan network complexity and stability. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108575.	4.2	26
17	Long-term application of swine manure and sewage sludge differently impacts antibiotic resistance genes in soil and phyllosphere. <i>Geoderma</i> , 2022, 411, 115698.	2.3	9
18	<i>Spartina alterniflora</i> invasion has a greater impact than non-native species, <i>Phragmites australis</i> and <i>Kandelia obovata</i> , on the bacterial community assemblages in an estuarine wetland. <i>Science of the Total Environment</i> , 2022, 822, 153517.	3.9	10

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19	Resistance to bacterial wilt caused by <i>Ralstonia solanacearum</i> depends on the nutrient condition in soil and applied fertilizers: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2022, 329, 107874.	2.5	7
20	Distribution of soil viruses across China and their potential role in phosphorous metabolism. <i>Environmental Microbiomes</i> , 2022, 17, 6.	2.2	17
21	The accumulation of microbial residues and plant lignin phenols are more influenced by fertilization in young than mature subtropical forests. <i>Forest Ecology and Management</i> , 2022, 509, 120074.	1.4	15
22	Climate warming increases the proportions of specific antibiotic resistance genes in natural soil ecosystems. <i>Journal of Hazardous Materials</i> , 2022, 430, 128442.	6.5	19
23	Organic fertilization regimes suppress fungal plant pathogens through modulating the resident bacterial and protistan communities. , 2022, 1, 43-53.		3
24	Cross-biome antibiotic resistance decays after millions of years of soil development. <i>ISME Journal</i> , 2022, 16, 1864-1867.	4.4	8
25	Calling for comprehensive explorations between soil invertebrates and arbuscular mycorrhizas. <i>Trends in Plant Science</i> , 2022, 27, 793-801.	4.3	10
26	The Proportion of Soil-Borne Fungal Pathogens Increases with Elevated Organic Carbon in Agricultural Soils. <i>MSystems</i> , 2022, 7, e0133721.	1.7	12
27	Effect of straw incorporation and nitrification inhibitor on nitrous oxide emission in three cropland soils. , 2022, 1, 132-141.		1
28	Fertilization has a greater effect than rhizosphere on community structures of comammox <i>Nitrospira</i> in an alkaline agricultural soil. <i>Applied Soil Ecology</i> , 2022, 175, 104456.	2.1	10
29	The overlap of soil and vegetable microbes drives the transfer of antibiotic resistance genes from manure-amended soil to vegetables. <i>Science of the Total Environment</i> , 2022, 828, 154463.	3.9	23
30	Nitrous oxide production pathways in Australian forest soils. <i>Geoderma</i> , 2022, 420, 115871.	2.3	4
31	Soil bacterial communities triggered by organic matter inputs associates with a high-yielding pear production. <i>Soil</i> , 2022, 8, 337-348.	2.2	7
32	Semi-solid state promotes the methane production during anaerobic co-digestion of chicken manure with corn straw comparison to wet and high-solid state. <i>Journal of Environmental Management</i> , 2022, 316, 115264.	3.8	9
33	Reduced pH is the primary factor promoting humic acid formation during hyperthermophilic pretreatment composting. <i>Journal of Environmental Management</i> , 2022, 316, 115215.	3.8	15
34	Natural selenium stress influences the changes of antibiotic resistome in seleniferous forest soils. <i>Environmental Microbiomes</i> , 2022, 17, 26.	2.2	8
35	Temperature has a strong impact on the abundance and community structure of comammox <i>Nitrospira</i> in an Ultisol. <i>Journal of Soils and Sediments</i> , 2022, 22, 2593-2603.	1.5	5
36	Diversity and potential biogeochemical impacts of viruses in bulk and rhizosphere soils. <i>Environmental Microbiology</i> , 2021, 23, 588-599.	1.8	62

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37	Impact of sulfate and iron oxide on bacterial community dynamics in paddy soil under alternate watering conditions. <i>Journal of Hazardous Materials</i> , 2021, 408, 124417.	6.5	23
38	Dissimilatory nitrate ammonification and N ₂ fixation helps maintain nitrogen nutrition in resource-limited rice paddies. <i>Biology and Fertility of Soils</i> , 2021, 57, 107-115.	2.3	14
39	Rare taxa maintain the stability of crop microbiomes and ecosystem functions. <i>Environmental Microbiology</i> , 2021, 23, 1907-1924.	1.8	132
40	Manure application increases microbiome complexity in soil aggregate fractions: Results of an 18-year field experiment. <i>Agriculture, Ecosystems and Environment</i> , 2021, 307, 107249.	2.5	54
41	Deterministic selection dominates microbial community assembly in termite mounds. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108073.	4.2	60
42	Microbial communities in crop phyllosphere and root endosphere are more resistant than soil microbiota to fertilization. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108113.	4.2	81
43	Host selection shapes crop microbiome assembly and network complexity. <i>New Phytologist</i> , 2021, 229, 1091-1104.	3.5	349
44	Fertilization alters protistan consumers and parasites in crop-associated microbiomes. <i>Environmental Microbiology</i> , 2021, 23, 2169-2183.	1.8	52
45	Long-term nitrogen fertilization alters microbial community structure and denitrifier abundance in the deep vadose zone. <i>Journal of Soils and Sediments</i> , 2021, 21, 2394-2403.	1.5	9
46	Termite mounds reduce soil microbial diversity by filtering rare microbial taxa. <i>Environmental Microbiology</i> , 2021, 23, 2659-2668.	1.8	8
47	Potential of indigenous crop microbiomes for sustainable agriculture. <i>Nature Food</i> , 2021, 2, 233-240.	6.2	51
48	Biotic and abiotic factors distinctly drive contrasting biogeographic patterns between phyllosphere and soil resistomes in natural ecosystems. <i>ISME Communications</i> , 2021, 1, .	1.7	23
49	Fates and Use Efficiency of Nitrogen Fertilizer in Maize Cropping Systems and Their Responses to Technologies and Management Practices: A Global Analysis on Field ¹⁵ N Tracer Studies. <i>Earth's Future</i> , 2021, 9, e2020EF001514.	2.4	34
50	Canonical ammonia oxidizers, rather than comammox Nitrospira, dominated autotrophic nitrification during the mineralization of organic substances in two paddy soils. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108192.	4.2	28
51	Niche specialization of comammox Nitrospira clade A in terrestrial ecosystems. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108231.	4.2	25
52	Plant Diversity Enhances Soil Fungal Diversity and Microbial Resistance to Plant Invasion. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	27
53	Sorghum rhizosphere effects reduced soil bacterial diversity by recruiting specific bacterial species under low nitrogen stress. <i>Science of the Total Environment</i> , 2021, 770, 144742.	3.9	29
54	Termite mound formation reduces the abundance and diversity of soil resistomes. <i>Environmental Microbiology</i> , 2021, 23, 7661-7670.	1.8	7

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55	Host Species and Geography Differentiate Honeybee Gut Bacterial Communities by Changing the Relative Contribution of Community Assembly Processes. <i>MBio</i> , 2021, 12, e0075121.	1.8	29
56	Assembly processes lead to divergent soil fungal communities within and among 12 forest ecosystems along a latitudinal gradient. <i>New Phytologist</i> , 2021, 231, 1183-1194.	3.5	20
57	Agricultural land-use change and rotation system exert considerable influences on the soil antibiotic resistome in Lake Tai Basin. <i>Science of the Total Environment</i> , 2021, 771, 144848.	3.9	27
58	Global homogenization of the structure and function in the soil microbiome of urban greenspaces. <i>Science Advances</i> , 2021, 7, .	4.7	83
59	Arbuscular mycorrhizal fungi and plant diversity drive restoration of nitrogen cycling microbial communities. <i>Molecular Ecology</i> , 2021, 30, 4133-4146.	2.0	12
60	Generalist Taxa Shape Fungal Community Structure in Cropping Ecosystems. <i>Frontiers in Microbiology</i> , 2021, 12, 678290.	1.5	6
61	Specific protistan consumers and parasites are responsive to inorganic fertilization in rhizosphere and bulk soils. <i>Journal of Soils and Sediments</i> , 2021, 21, 3801-3812.	1.5	10
62	Plant developmental stage drives the differentiation in ecological role of the maize microbiome. <i>Microbiome</i> , 2021, 9, 171.	4.9	164
63	Temporal response of ureolytic and ammonia-oxidizing microbes and pasture yield to urea and NBPT at Leigh Creek of Victoria in Australia. <i>Applied Soil Ecology</i> , 2021, 164, 103922.	2.1	2
64	Precipitation increases the abundance of fungal plant pathogens in <i>Eucalyptus</i> phyllosphere. <i>Environmental Microbiology</i> , 2021, 23, 7688-7700.	1.8	20
65	Distinct factors drive the diversity and composition of protistan consumers and phototrophs in natural soil ecosystems. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108317.	4.2	34
66	Divergent responses of wetland methane emissions to elevated atmospheric CO ₂ dependent on water table. <i>Water Research</i> , 2021, 205, 117682.	5.3	8
67	Seasonal dynamics of soil microbial diversity and functions along elevations across the treeline. <i>Science of the Total Environment</i> , 2021, 794, 148644.	3.9	22
68	Speciation, transportation, and pathways of cadmium in soil-rice systems: A review on the environmental implications and remediation approaches for food safety. <i>Environment International</i> , 2021, 156, 106749.	4.8	116
69	Ammonia-oxidizing bacteria play an important role in nitrification of acidic soils: A meta-analysis. <i>Geoderma</i> , 2021, 404, 115395.	2.3	27
70	Soil organic carbon and total nitrogen predict large-scale distribution of soil fungal communities in temperate and alpine shrub ecosystems. <i>European Journal of Soil Biology</i> , 2021, 102, 103270.	1.4	10
71	Influence of Legacy Mercury on Antibiotic Resistomes: Evidence from Agricultural Soils with Different Cropping Systems. <i>Environmental Science & Technology</i> , 2021, 55, 13913-13922.	4.6	19
72	Growth of comammox <i>Nitrospira</i> is inhibited by nitrification inhibitors in agricultural soils. <i>Journal of Soils and Sediments</i> , 2020, 20, 621-628.	1.5	38

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73	Effects of repeated applications of urea with DMPP on ammonia oxidizers, denitrifiers, and non-targeted microbial communities of an agricultural soil in Queensland, Australia. <i>Applied Soil Ecology</i> , 2020, 147, 103392.	2.1	26
74	Manure Application Did Not Enrich Antibiotic Resistance Genes in Root Endophytic Bacterial Microbiota of Cherry Radish Plants. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	25
75	Responses of ureolytic and nitrifying microbes to urease and nitrification inhibitors in selected agricultural soils in Victoria, Australia. <i>Journal of Soils and Sediments</i> , 2020, 20, 1309-1322.	1.5	13
76	The toxic factor of copper should be adjusted during the ecological risk assessment for soil bacterial community. <i>Ecological Indicators</i> , 2020, 111, 106072.	2.6	20
77	Large-scale patterns of soil antibiotic resistome in Chinese croplands. <i>Science of the Total Environment</i> , 2020, 712, 136418.	3.9	53
78	DNA stable isotope probing revealed no incorporation of ¹³ CO ₂ into comammox Nitrospira but ammonia-oxidizing archaea in a subtropical acid soil. <i>Journal of Soils and Sediments</i> , 2020, 20, 1297-1308.	1.5	8
79	Climatic factors have unexpectedly strong impacts on soil bacterial α -diversity in 12 forest ecosystems. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107699.	4.2	32
80	Arsenic and cadmium as predominant factors shaping the distribution patterns of antibiotic resistance genes in polluted paddy soils. <i>Journal of Hazardous Materials</i> , 2020, 389, 121838.	6.5	77
81	Limited effects of depth (0–80 cm) on communities of archaea, bacteria and fungi in paddy soil profiles. <i>European Journal of Soil Science</i> , 2020, 71, 955-966.	1.8	15
82	Rare microbial taxa as the major drivers of ecosystem multifunctionality in long-term fertilized soils. <i>Soil Biology and Biochemistry</i> , 2020, 141, 107686.	4.2	247
83	Short-term application of mulch, roundup and organic herbicides did not affect soil microbial biomass or bacterial and fungal diversity. <i>Chemosphere</i> , 2020, 244, 125436.	4.2	17
84	Host identity determines plant associated resistomes. <i>Environmental Pollution</i> , 2020, 258, 113709.	3.7	23
85	Microbial regulation of natural antibiotic resistance: Understanding the protist-bacteria interactions for evolution of soil resistome. <i>Science of the Total Environment</i> , 2020, 705, 135882.	3.9	63
86	Characterization of the copper resistance mechanism and bioremediation potential of an <i>Acinetobacter calcoaceticus</i> strain isolated from copper mine sludge. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7922-7933.	2.7	18
87	Oxytetracycline and Ciprofloxacin Exposure Altered the Composition of Protistan Consumers in an Agricultural Soil. <i>Environmental Science & Technology</i> , 2020, 54, 9556-9563.	4.6	51
88	Lignite as additives accelerates the removal of antibiotic resistance genes during poultry litter composting. <i>Bioresource Technology</i> , 2020, 315, 123841.	4.8	19
89	Niche differentiation of clade A comammox Nitrospira and canonical ammonia oxidizers in selected forest soils. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107925.	4.2	59
90	Niche differentiation of comammox Nitrospira and canonical ammonia oxidizers in soil aggregate fractions following 27-year fertilizations. <i>Agriculture, Ecosystems and Environment</i> , 2020, 304, 107147.	2.5	46

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91	Irrigation and fertilization effects on arbuscular mycorrhizal fungi depend on growing season in a dryland maize agroecosystem. <i>Pedobiologia</i> , 2020, 83, 150687.	0.5	9
92	The influence of soil age on ecosystem structure and function across biomes. <i>Nature Communications</i> , 2020, 11, 4721.	5.8	47
93	Greater promotion of DNRA rates and nrfA gene transcriptional activity by straw incorporation in alkaline than in acidic paddy soils. <i>Soil Ecology Letters</i> , 2020, 2, 255-267.	2.4	10
94	Soil bacterial taxonomic diversity is critical to maintaining the plant productivity. <i>Environment International</i> , 2020, 140, 105766.	4.8	114
95	Grazing does not increase soil antibiotic resistome in two types of grasslands in Inner Mongolia, China. <i>Applied Soil Ecology</i> , 2020, 155, 103644.	2.1	8
96	Microbial functional attributes, rather than taxonomic attributes, drive top soil respiration, nitrification and denitrification processes. <i>Science of the Total Environment</i> , 2020, 734, 139479.	3.9	56
97	Enhanced nitrogen retention by lignite during poultry litter composting. <i>Journal of Cleaner Production</i> , 2020, 277, 122422.	4.6	36
98	Microbial functional traits in phyllosphere are more sensitive to anthropogenic disturbance than in soil. <i>Environmental Pollution</i> , 2020, 265, 114954.	3.7	34
99	Antibiotic Resistance Genes in Antibiotic-Free Chicken Farms. <i>Antibiotics</i> , 2020, 9, 120.	1.5	14
100	Ecological drivers of methanotrophic communities in paddy soils around mercury mining areas. <i>Science of the Total Environment</i> , 2020, 721, 137760.	3.9	12
101	Silicon dioxide nanoparticles have contrasting effects on the temporal dynamics of sulfonamide and β -lactam resistance genes in soils amended with antibiotics. <i>Environmental Research Letters</i> , 2020, 15, 034001.	2.2	3
102	Industrial development as a key factor explaining variances in soil and grass phyllosphere microbiomes in urban green spaces. <i>Environmental Pollution</i> , 2020, 261, 114201.	3.7	19
103	High-solid anaerobic co-digestion of pig manure with lignite promotes methane production. <i>Journal of Cleaner Production</i> , 2020, 258, 120695.	4.6	20
104	Dissimilatory nitrate reduction to ammonium dominates soil nitrate retention capacity in subtropical forests. <i>Biology and Fertility of Soils</i> , 2020, 56, 785-797.	2.3	19
105	Fate of antibiotic resistance genes during high-solid anaerobic co-digestion of pig manure with lignite. <i>Bioresource Technology</i> , 2020, 303, 122906.	4.8	30
106	Fertilization changes soil microbiome functioning, especially phagotrophic protists. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107863.	4.2	78
107	Multiple elements of soil biodiversity drive ecosystem functions across biomes. <i>Nature Ecology and Evolution</i> , 2020, 4, 210-220.	3.4	543
108	Contrasting patterns and drivers of soil bacterial and fungal diversity across a mountain gradient. <i>Environmental Microbiology</i> , 2020, 22, 3287-3301.	1.8	119

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109	Viral metagenomics analysis and eight novel viral genomes identified from the Dushanzi mud volcanic soil in Xinjiang, China. <i>Journal of Soils and Sediments</i> , 2019, 19, 81-90.	1.5	10
110	Distributions and environmental drivers of archaea and bacteria in paddy soils. <i>Journal of Soils and Sediments</i> , 2019, 19, 23-37.	1.5	39
111	Distribution and Succession Feature of Antibiotic Resistance Genes Along a Soil Development Chronosequence in Urumqi No.1 Glacier of China. <i>Frontiers in Microbiology</i> , 2019, 10, 1569.	1.5	9
112	Multiple factors drive the abundance and diversity of the diazotrophic community in typical farmland soils of China. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	54
113	Comammox <i>Nitrospira</i> play an active role in nitrification of agricultural soils amended with nitrogen fertilizers. <i>Soil Biology and Biochemistry</i> , 2019, 138, 107609.	4.2	143
114	Changes in soil nematode abundance and composition under elevated [CO ₂] and canopy warming in a rice paddy field. <i>Plant and Soil</i> , 2019, 445, 425-437.	1.8	23
115	Antibiotic resistance in urban green spaces mirrors the pattern of industrial distribution. <i>Environment International</i> , 2019, 132, 105106.	4.8	42
116	Plant evenness modulates the effect of plant richness on soil bacterial diversity. <i>Science of the Total Environment</i> , 2019, 662, 8-14.	3.9	19
117	Rare earth oxide nanoparticles promote soil microbial antibiotic resistance by selectively enriching antibiotic resistance genes. <i>Environmental Science: Nano</i> , 2019, 6, 456-466.	2.2	36
118	Autotrophic archaeal nitrification is preferentially stimulated by rice callus mineralization in a paddy soil. <i>Plant and Soil</i> , 2019, 445, 55-69.	1.8	19
119	Transfer of antibiotic resistance from manure-amended soils to vegetable microbiomes. <i>Environment International</i> , 2019, 130, 104912.	4.8	278
120	Fungal richness contributes to multifunctionality in boreal forest soil. <i>Soil Biology and Biochemistry</i> , 2019, 136, 107526.	4.2	108
121	Plant-driven niche differentiation of ammonia-oxidizing bacteria and archaea in global drylands. <i>ISME Journal</i> , 2019, 13, 2727-2736.	4.4	47
122	Sorption mechanism and distribution of cadmium by different microbial species. <i>Journal of Environmental Management</i> , 2019, 237, 552-559.	3.8	40
123	Salinity as a predominant factor modulating the distribution patterns of antibiotic resistance genes in ocean and river beach soils. <i>Science of the Total Environment</i> , 2019, 668, 193-203.	3.9	54
124	Protist communities are more sensitive to nitrogen fertilization than other microorganisms in diverse agricultural soils. <i>Microbiome</i> , 2019, 7, 33.	4.9	278
125	Adaptive responses of comammox <i>Nitrospira</i> and canonical ammonia oxidizers to long-term fertilizations: Implications for the relative contributions of different ammonia oxidizers to soil nitrogen cycling. <i>Science of the Total Environment</i> , 2019, 668, 224-233.	3.9	79
126	Lime and ammonium carbonate fumigation coupled with bio-organic fertilizer application steered banana rhizosphere to assemble a unique microbiome against Panama disease. <i>Microbial Biotechnology</i> , 2019, 12, 515-527.	2.0	23

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127	Changes of the denitrifying communities in a multi-stage free water surface constructed wetland. <i>Science of the Total Environment</i> , 2019, 650, 1419-1425.	3.9	41
128	Dissimilatory nitrate reduction to ammonium dominates nitrate reduction in long-term low nitrogen fertilized rice paddies. <i>Soil Biology and Biochemistry</i> , 2019, 131, 149-156.	4.2	64
129	Ectomycorrhizal fungi inoculation alleviates simulated acid rain effects on soil ammonia oxidizers and denitrifiers in Masson pine forest. <i>Environmental Microbiology</i> , 2019, 21, 299-313.	1.8	24
130	Soil aggregate size and long-term fertilization effects on the function and community of ammonia oxidizers. <i>Geoderma</i> , 2019, 338, 107-117.	2.3	31
131	Contrasting Soil Bacterial and Fungal Communities between the Swamp and Upland in the Boreal Forest and their Biogeographic Distribution Patterns. <i>Wetlands</i> , 2019, 39, 441-451.	0.7	2
132	An overview of microplastic and nanoplastic pollution in agroecosystems. <i>Science of the Total Environment</i> , 2018, 627, 1377-1388.	3.9	846
133	Diversity of herbaceous plants and bacterial communities regulates soil resistome across forest biomes. <i>Environmental Microbiology</i> , 2018, 20, 3186-3200.	1.8	55
134	The effects of short term, long term and reapplication of biochar on soil bacteria. <i>Science of the Total Environment</i> , 2018, 636, 142-151.	3.9	105
135	The biogeography of fungal communities in paddy soils is mainly driven by geographic distance. <i>Journal of Soils and Sediments</i> , 2018, 18, 1795-1805.	1.5	28
136	Intraspecies variation in a widely distributed tree species regulates the responses of soil microbiome to different temperature regimes. <i>Environmental Microbiology Reports</i> , 2018, 10, 167-178.	1.0	8
137	Responses of soil microbial community to nitrogen fertilizer and precipitation regimes in a semi-arid steppe. <i>Journal of Soils and Sediments</i> , 2018, 18, 762-774.	1.5	27
138	Diversity and Distribution Characteristics of Viruses in Soils of a Marine-Terrestrial Ecotone in East China. <i>Microbial Ecology</i> , 2018, 75, 375-386.	1.4	14
139	Aerobic composting reduces antibiotic resistance genes in cattle manure and the resistome dissemination in agricultural soils. <i>Science of the Total Environment</i> , 2018, 612, 1300-1310.	3.9	190
140	New insights into the role of microbial community composition in driving soil respiration rates. <i>Soil Biology and Biochemistry</i> , 2018, 118, 35-41.	4.2	134
141	Impacts of Projected Climate Warming and Wetting on Soil Microbial Communities in Alpine Grassland Ecosystems of the Tibetan Plateau. <i>Microbial Ecology</i> , 2018, 75, 1009-1023.	1.4	18
142	Unraveling Microbial Communities Associated with Methylmercury Production in Paddy Soils. <i>Environmental Science & Technology</i> , 2018, 52, 13110-13118.	4.6	106
143	Differentiated Mechanisms of Biochar Mitigating Straw-Induced Greenhouse Gas Emissions in Two Contrasting Paddy Soils. <i>Frontiers in Microbiology</i> , 2018, 9, 2566.	1.5	46
144	Consistent responses of soil microbial taxonomic and functional attributes to mercury pollution across China. <i>Microbiome</i> , 2018, 6, 183.	4.9	109

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145	Antibiotic resistance genes and associated bacterial communities in agricultural soils amended with different sources of animal manures. <i>Soil Biology and Biochemistry</i> , 2018, 126, 91-102.	4.2	170
146	Niche separation of comammox <i>Nitrospira</i> and canonical ammonia oxidizers in an acidic subtropical forest soil under long-term nitrogen deposition. <i>Soil Biology and Biochemistry</i> , 2018, 126, 114-122.	4.2	129
147	Manipulating the soil microbiome for improved nitrogen management. <i>Microbiology Australia</i> , 2018, 39, 24.	0.1	16
148	Nitrogen Addition Decreases Dissimilatory Nitrate Reduction to Ammonium in Rice Paddies. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	39
149	Impacts of long-term nitrogen addition, watering and mowing on ammonia oxidizers, denitrifiers and plant communities in a temperate steppe. <i>Applied Soil Ecology</i> , 2018, 130, 241-250.	2.1	22
150	Short-term copper exposure as a selection pressure for antibiotic resistance and metal resistance in an agricultural soil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29314-29324.	2.7	20
151	Identity of biocrust species and microbial communities drive the response of soil multifunctionality to simulated global change. <i>Soil Biology and Biochemistry</i> , 2017, 107, 208-217.	4.2	78
152	Effects of different agricultural wastes on the dissipation of PAHs and the PAH-degrading genes in a PAH-contaminated soil. <i>Chemosphere</i> , 2017, 172, 286-293.	4.2	44
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