

Qing-Lin Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

3,644
citations

31
h-index

58
g-index

101
ext. papers

5,364
ext. citations

8.6
avg, IF

6.1
L-index

#	Paper	IF	Citations
91	Long-term field application of sewage sludge increases the abundance of antibiotic resistance genes in soil. <i>Environment International</i> , 2016 , 92-93, 1-10	12.9	425
90	Exposure of soil collembolans to microplastics perturbs their gut microbiota and alters their isotopic composition. <i>Soil Biology and Biochemistry</i> , 2018 , 116, 302-310	7.5	260
89	Metagenomics of urban sewage identifies an extensively shared antibiotic resistome in China. <i>Microbiome</i> , 2017 , 5, 84	16.6	161
88	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science & Technology</i> , 2018 , 52, 10975-10984	10.3	138
87	Does organically produced lettuce harbor higher abundance of antibiotic resistance genes than conventionally produced?. <i>Environment International</i> , 2017 , 98, 152-159	12.9	138
86	Transfer of antibiotic resistance from manure-amended soils to vegetable microbiomes. <i>Environment International</i> , 2019 , 130, 104912	12.9	133
85	Application of Struvite Alters the Antibiotic Resistome in Soil, Rhizosphere, and Phyllosphere. <i>Environmental Science & Technology</i> , 2017 , 51, 8149-8157	10.3	123
84	Antibiotic Resistomes in Plant Microbiomes. <i>Trends in Plant Science</i> , 2019 , 24, 530-541	13.1	105
83	Do manure-borne or indigenous soil microorganisms influence the spread of antibiotic resistance genes in manured soil?. <i>Soil Biology and Biochemistry</i> , 2017 , 114, 229-237	7.5	102
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	7.5	102
81	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	7.5	102
80	Antibiotics Disturb the Microbiome and Increase the Incidence of Resistance Genes in the Gut of a Common Soil Collembolan. <i>Environmental Science & Technology</i> , 2018 , 52, 3081-3090	10.3	93
79	Tracking antibiotic resistome during wastewater treatment using high throughput quantitative PCR. <i>Environment International</i> , 2018 , 117, 146-153	12.9	93
78	Trophic predator-prey relationships promote transport of microplastics compared with the single <i>Hypoaspis aculeifer</i> and <i>Folsomia candida</i> . <i>Environmental Pollution</i> , 2018 , 235, 150-154	9.3	88
77	An underappreciated hotspot of antibiotic resistance: The groundwater near the municipal solid waste landfill. <i>Science of the Total Environment</i> , 2017 , 609, 966-973	10.2	82
76	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	7.5	66
75	Effect of biochar amendment on the alleviation of antibiotic resistance in soil and phyllosphere of <i>Brassica chinensis</i> L.. <i>Soil Biology and Biochemistry</i> , 2018 , 119, 74-82	7.5	65

74	Organic Carbon Amendments Affect the Chemodiversity of Soil Dissolved Organic Matter and Its Associations with Soil Microbial Communities. <i>Environmental Science & Technology</i> , 2019 , 53, 50-59	10.3	64
73	Long-term application of organic fertilization causes the accumulation of antibiotic resistome in earthworm gut microbiota. <i>Environment International</i> , 2019 , 124, 145-152	12.9	62
72	Long-term organic fertilization increased antibiotic resistome in phyllosphere of maize. <i>Science of the Total Environment</i> , 2018 , 645, 1230-1237	10.2	59
71	Temporal Dynamics of Antibiotic Resistome in the Plastisphere during Microbial Colonization. <i>Environmental Science & Technology</i> , 2020 , 54, 11322-11332	10.3	52
70	Exposure of a Soil Collembolan to Ag Nanoparticles and AgNO Disturbs Its Associated Microbiota and Lowers the Incidence of Antibiotic Resistance Genes in the Gut. <i>Environmental Science & Technology</i> , 2018 , 52, 12748-12756	10.3	50
69	Soil bacterial taxonomic diversity is critical to maintaining the plant productivity. <i>Environment International</i> , 2020 , 140, 105766	12.9	47
68	Spatial and temporal distribution of antibiotic resistomes in a peri-urban area is associated significantly with anthropogenic activities. <i>Environmental Pollution</i> , 2018 , 235, 525-533	9.3	46
67	Impact of Wastewater Treatment on the Prevalence of Integrons and the Genetic Diversity of Integron Gene Cassettes. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	38
66	Adsorbed Sulfamethoxazole Exacerbates the Effects of Polystyrene (~2 μ m) on Gut Microbiota and the Antibiotic Resistome of a Soil Collembolan. <i>Environmental Science & Technology</i> , 2019 , 53, 12823-12834	10.3	38
65	Time-resolved spread of antibiotic resistance genes in highly polluted air. <i>Environment International</i> , 2019 , 127, 333-339	12.9	37
64	Loss of soil microbial diversity exacerbates spread of antibiotic resistance. <i>Soil Ecology Letters</i> , 2019 , 1, 3-13	2.7	33
63	Does nano silver promote the selection of antibiotic resistance genes in soil and plant?. <i>Environment International</i> , 2019 , 128, 399-406	12.9	32
62	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	10.2	31
61	The combined effects of atrazine and lead (Pb): relative microbial activities and herbicide dissipation. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 102, 93-9	7	31
60	Do combined nanoscale polystyrene and tetracycline impact on the incidence of resistance genes and microbial community disturbance in <i>Enchytraeus crypticus</i> ?. <i>Journal of Hazardous Materials</i> , 2020 , 387, 122012	12.8	31
59	Land Use Influences Antibiotic Resistance in the Microbiome of Soil Collembolans <i>Orchesellides sinensis</i> . <i>Environmental Science & Technology</i> , 2018 , 52, 14088-14098	10.3	30
58	Soil microbial community toxic response to atrazine and its residues under atrazine and lead contamination. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 996-1007	5.1	29
57	Long-term nitrogen fertilization decreased the abundance of inorganic phosphate solubilizing bacteria in an alkaline soil. <i>Scientific Reports</i> , 2017 , 7, 42284	4.9	28

56	Antibiotic resistance in urban green spaces mirrors the pattern of industrial distribution. <i>Environment International</i> , 2019 , 132, 105106	12.9	28
55	Fate of Antibiotic Resistant and Broad Host Range Plasmid in Natural Soil Microcosms. <i>Frontiers in Microbiology</i> , 2019 , 10, 194	5.7	28
54	Dysbiosis in the Gut Microbiota of Soil Fauna Explains the Toxicity of Tire Tread Particles. <i>Environmental Science & Technology</i> , 2020 , 54, 7450-7460	10.3	28
53	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	10.2	25
52	The Fungal Microbiome Is an Important Component of Vineyard Ecosystems and Correlates with Regional Distinctiveness of Wine. <i>MSphere</i> , 2020 , 5,	5	25
51	Application of genomic technologies to measure and monitor antibiotic resistance in animals. <i>Annals of the New York Academy of Sciences</i> , 2017 , 1388, 121-135	6.5	22
50	Distinct effects of struvite and biochar amendment on the class 1 integron antibiotic resistance gene cassettes in phyllosphere and rhizosphere. <i>Science of the Total Environment</i> , 2018 , 631-632, 668-676	10.2	22
49	Niche differentiation of clade A comammox Nitrospira and canonical ammonia oxidizers in selected forest soils. <i>Soil Biology and Biochemistry</i> , 2020 , 149, 107925	7.5	21
48	Growth of comammox Nitrospira is inhibited by nitrification inhibitors in agricultural soils. <i>Journal of Soils and Sediments</i> , 2020 , 20, 621-628	3.4	21
47	Fertilization alters protistan consumers and parasites in crop-associated microbiomes. <i>Environmental Microbiology</i> , 2021 , 23, 2169-2183	5.2	21
46	Fate of antibiotic resistance genes during high-solid anaerobic co-digestion of pig manure with lignite. <i>Bioresource Technology</i> , 2020 , 303, 122906	11	20
45	Responses of soil ammonia-oxidizing microorganisms to repeated exposure of single-walled and multi-walled carbon nanotubes. <i>Science of the Total Environment</i> , 2015 , 505, 649-57	10.2	19
44	Does soil CuO nanoparticles pollution alter the gut microbiota and resistome of Enchytraeus crypticus?. <i>Environmental Pollution</i> , 2020 , 256, 113463	9.3	19
43	Effects of long-term fertilization on the associated microbiota of soil collembolan. <i>Soil Biology and Biochemistry</i> , 2019 , 130, 141-149	7.5	19
42	Exposure to tetracycline perturbs the microbiome of soil oligochaete Enchytraeus crypticus. <i>Science of the Total Environment</i> , 2019 , 654, 643-650	10.2	17
41	Effects of diet on gut microbiota of soil collembolans. <i>Science of the Total Environment</i> , 2019 , 676, 197-205	10.2	15
40	Oxytetracycline and Ciprofloxacin Exposure Altered the Composition of Protistan Consumers in an Agricultural Soil. <i>Environmental Science & Technology</i> , 2020 , 54, 9556-9563	10.3	15
39	Potential of indigenous crop microbiomes for sustainable agriculture. <i>Nature Food</i> , 2021 , 2, 233-240	14.4	15

38	Agricultural activities affect the pattern of the resistome within the phyllosphere microbiome in peri-urban environments. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121068	12.8	15
37	Short-Term Response of Soil Enzyme Activity and Soil Respiration to Repeated Carbon Nanotubes Exposure. <i>Soil and Sediment Contamination</i> , 2015 , 24, 250-261	3.2	14
36	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	10.2	14
35	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	7.5	14
34	Microbial functional traits in phyllosphere are more sensitive to anthropogenic disturbance than in soil. <i>Environmental Pollution</i> , 2020 , 265, 114954	9.3	13
33	High-solid anaerobic co-digestion of pig manure with lignite promotes methane production. <i>Journal of Cleaner Production</i> , 2020 , 258, 120695	10.3	13
32	Impacts of different sources of animal manures on dissemination of human pathogenic bacteria in agricultural soils. <i>Environmental Pollution</i> , 2020 , 266, 115399	9.3	12
31	The gut microbiota of soil organisms show species-specific responses to liming. <i>Science of the Total Environment</i> , 2019 , 659, 715-723	10.2	12
30	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	9.3	11
29	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	5	11
28	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,	4.8	11
27	Deterministic selection dominates microbial community assembly in termite mounds. <i>Soil Biology and Biochemistry</i> , 2021 , 152, 108073	7.5	10
26	The driving factors of nematode gut microbiota under long-term fertilization. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	9
25	Host identity determines plant associated resistomes. <i>Environmental Pollution</i> , 2020 , 258, 113709	9.3	9
24	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	7.5	9
23	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. <i>Critical Reviews in Environmental Science and Technology</i> , 1-17	11.1	7
22	Fates of Antibiotic Resistance Genes in the Gut Microbiome from Different Soil Fauna under Long-Term Fertilization. <i>Environmental Science & Technology</i> , 2021 , 55, 423-432	10.3	7
21	DirtyGenes: testing for significant changes in gene or bacterial population compositions from a small number of samples. <i>Scientific Reports</i> , 2019 , 9, 2373	4.9	5

20	Impacts of global change on phyllosphere microbiome.. <i>New Phytologist</i> , 2021 ,	9.8	5
19	Niche specialization of comammox Nitrospira clade A in terrestrial ecosystems. <i>Soil Biology and Biochemistry</i> , 2021 , 156, 108231	7.5	5
18	Precipitation increases the abundance of fungal plant pathogens in Eucalyptus phyllosphere. <i>Environmental Microbiology</i> , 2021 ,	5.2	5
17	Exposure to heavy metal and antibiotic enriches antibiotic resistant genes on the tire particles in soil. <i>Science of the Total Environment</i> , 2021 , 792, 148417	10.2	5
16	Antibiotic resistance genes in the soil ecosystem and planetary health: Progress and prospect. <i>Scientia Sinica Vitae</i> , 2019 , 49, 1652-1663	1.4	4
15	Biotic and abiotic factors distinctly drive contrasting biogeographic patterns between phyllosphere and soil resistomes in natural ecosystems. <i>ISME Communications</i> , 2021 , 1,		4
14	Transmission of antibiotic resistance genes in agroecosystems: an overview. <i>Frontiers of Agricultural Science and Engineering</i> , 2020 , 7, 329	1.7	3
13	Climate warming increases the proportions of specific antibiotic resistance genes in natural soil ecosystems.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128442	12.8	2
12	Seasonal change is a major driver of soil resistomes at a watershed scale. <i>ISME Communications</i> , 2021 , 1,		2
11	Dynamics of antibiotic resistance and its association with bacterial community in a drinking water treatment plant and the residential area. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 55690-55699	5.1	2
10	Effects of Environmental Factors on the Soil Nitrogen Transformation in Terrestrial Ecosystems 2012 ,		1
9	Livestock manure spiked with the antibiotic tylosin significantly altered soil protist functional groups. <i>Journal of Hazardous Materials</i> , 2021 , 427, 127867	12.8	1
8	Termite mounds reduce soil microbial diversity by filtering rare microbial taxa. <i>Environmental Microbiology</i> , 2021 , 23, 2659-2668	5.2	1
7	Termite mound formation reduces the abundance and diversity of soil resistomes. <i>Environmental Microbiology</i> , 2021 ,	5.2	1
6	Tire wear particles: An emerging threat to soil health. <i>Critical Reviews in Environmental Science and Technology</i> , 1-19	11.1	1
5	Aridity decreases soil protistan network complexity and stability. <i>Soil Biology and Biochemistry</i> , 2022 , 166, 108575	7.5	0
4	Insights on the effects of ZnO nanoparticle exposure on soil heterotrophic respiration as revealed by soil microbial communities and activities. <i>Journal of Soils and Sediments</i> , 2021 , 21, 2315-2326	3.4	0
3	Organic fertilization regimes suppress fungal plant pathogens through modulating the resident bacterial and protistan communities 2022 , 1, 43-53		0

2	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	7.9	o
1	Response to Comment on "Application of Struvite Alters the Antibiotic Resistome in Soil, Rhizosphere, and Phyllosphere". <i>Environmental Science & Technology</i> , 2018 , 52, 14566-14567	10.3	