

# Qing-Lin Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

6,929  
citations

57631

44  
h-index

64668

79  
g-index

101  
all docs

101  
docs citations

101  
times ranked

4744  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.8	620
2	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.	4.2	385
3	Transfer of antibiotic resistance from manure-amended soils to vegetable microbiomes. <i>Environment International</i> , 2019, 130, 104912.	4.8	278
4	Metagenomics of urban sewage identifies an extensively shared antibiotic resistome in China. <i>Microbiome</i> , 2017, 5, 84.	4.9	247
5	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
6	Antibiotic Resistomes in Plant Microbiomes. <i>Trends in Plant Science</i> , 2019, 24, 530-541.	4.3	233
7	Global Survey of Antibiotic Resistance Genes in Air. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10975-10984.	4.6	227
8	Does organically produced lettuce harbor higher abundance of antibiotic resistance genes than conventionally produced?. <i>Environment International</i> , 2017, 98, 152-159.	4.8	205
9	Application of Struvite Alters the Antibiotic Resistome in Soil, Rhizosphere, and Phyllosphere. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8149-8157.	4.6	196
10	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.	4.2	170
11	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
12	Antibiotics Disturb the Microbiome and Increase the Incidence of Resistance Genes in the Gut of a Common Soil Collembolan. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3081-3090.	4.6	162
13	Tracking antibiotic resistome during wastewater treatment using high throughput quantitative PCR. <i>Environment International</i> , 2018, 117, 146-153.	4.8	152
14	Organic Carbon Amendments Affect the Chemodiversity of Soil Dissolved Organic Matter and Its Associations with Soil Microbial Communities. <i>Environmental Science &amp; Technology</i> , 2019, 53, 50-59.	4.6	150
15	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
16	Temporal Dynamics of Antibiotic Resistome in the Plastisphere during Microbial Colonization. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11322-11332.	4.6	135
17	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.	3.7	134
18	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.	3.9	133

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19	Soil bacterial taxonomic diversity is critical to maintaining the plant productivity. <i>Environment International</i> , 2020, 140, 105766.	4.8	114
20	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.	4.2	105
21	Long-term application of organic fertilization causes the accumulation of antibiotic resistome in earthworm gut microbiota. <i>Environment International</i> , 2019, 124, 145-152.	4.8	102
22	Long-term organic fertilization increased antibiotic resistome in phyllosphere of maize. <i>Science of the Total Environment</i> , 2018, 645, 1230-1237.	3.9	97
23	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
24	Impacts of global change on the phyllosphere microbiome. <i>New Phytologist</i> , 2022, 234, 1977-1986.	3.5	75
25	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.	3.7	74
26	Dysbiosis in the Gut Microbiota of Soil Fauna Explains the Toxicity of Tire Tread Particles. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7450-7460.	4.6	71
27	The Fungal Microbiome Is an Important Component of Vineyard Ecosystems and Correlates with Regional Distinctiveness of Wine. <i>MSphere</i> , 2020, 5, .	1.3	70
28	Exposure of a Soil Collembolan to Ag Nanoparticles and AgNO <sub>3</sub> Disturbs Its Associated Microbiota and Lowers the Incidence of Antibiotic Resistance Genes in the Gut. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12748-12756.	4.6	67
29	Time-resolved spread of antibiotic resistance genes in highly polluted air. <i>Environment International</i> , 2019, 127, 333-339.	4.8	67
30	Loss of soil microbial diversity exacerbates spread of antibiotic resistance. <i>Soil Ecology Letters</i> , 2019, 1, 3-13.	2.4	66
31	Adsorbed Sulfamethoxazole Exacerbates the Effects of Polystyrene (1/4m) on Gut Microbiota and the Antibiotic Resistome of a Soil Collembolan. <i>Environmental Science &amp; Technology</i> , 2019, 53, 12823-12834.	4.6	63
32	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
33	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, .	1.4	62
34	Deterministic selection dominates microbial community assembly in termite mounds. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108073.	4.2	60
35	Does nano silver promote the selection of antibiotic resistance genes in soil and plant?. <i>Environment International</i> , 2019, 128, 399-406.	4.8	59
36	Niche differentiation of clade A comammox <i>Nitrospira</i> and canonical ammonia oxidizers in selected forest soils. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107925.	4.2	59

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37	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
38	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.	6.5	55
39	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
40	Fertilization alters protistan consumers and parasites in crop-associated microbiomes. <i>Environmental Microbiology</i> , 2021, 23, 2169-2183.	1.8	52
41	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
42	Oxytetracycline and Ciprofloxacin Exposure Altered the Composition of Protistan Consumers in an Agricultural Soil. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9556-9563.	4.6	51
43	Potential of indigenous crop microbiomes for sustainable agriculture. <i>Nature Food</i> , 2021, 2, 233-240.	6.2	51
44	Long-term nitrogen fertilization decreased the abundance of inorganic phosphate solubilizing bacteria in an alkaline soil. <i>Scientific Reports</i> , 2017, 7, 42284.	1.6	50
45	Fate of Antibiotic Resistant <i>Pseudomonas putida</i> and Broad Host Range Plasmid in Natural Soil Microcosms. <i>Frontiers in Microbiology</i> , 2019, 10, 194.	1.5	48
46	Land Use Influences Antibiotic Resistance in the Microbiome of Soil Collembolans <i>Orchesellides sinensis</i> . <i>Environmental Science &amp; Technology</i> , 2018, 52, 14088-14098.	4.6	46
47	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.	2.7	44
48	Antibiotic resistance in urban green spaces mirrors the pattern of industrial distribution. <i>Environment International</i> , 2019, 132, 105106.	4.8	42
49	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.	1.8	41
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.	3.9	40
51	The combined effects of atrazine and lead (Pb): Relative microbial activities and herbicide dissipation. <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 93-99.	2.9	38
52	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
53	Tire wear particles: An emerging threat to soil health. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 239-257.	6.6	37
54	Effects of long-term fertilization on the associated microbiota of soil collembolan. <i>Soil Biology and Biochemistry</i> , 2019, 130, 141-149.	4.2	34

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55	Microbial functional traits in phyllosphere are more sensitive to anthropogenic disturbance than in soil. <i>Environmental Pollution</i> , 2020, 265, 114954.	3.7	34
56	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
57	Does soil CuO nanoparticles pollution alter the gut microbiota and resistome of <i>Enchytraeus crypticus</i> ?. <i>Environmental Pollution</i> , 2020, 256, 113463.	3.7	30
58	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
59	Effects of diet on gut microbiota of soil collembolans. <i>Science of the Total Environment</i> , 2019, 676, 197-205.	3.9	28
60	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.	6.5	28
61	Impacts of different sources of animal manures on dissemination of human pathogenic bacteria in agricultural soils. <i>Environmental Pollution</i> , 2020, 266, 115399.	3.7	28
62	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, 649-657.	3.9	27
63	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
64	Fates of Antibiotic Resistance Genes in the Gut Microbiome from Different Soil Fauna under Long-Term Fertilization. <i>Environmental Science &amp; Technology</i> , 2021, 55, 423-432.	4.6	26
65	Aridity decreases soil protistan network complexity and stability. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108575.	4.2	26
66	Exposure to tetracycline perturbs the microbiome of soil oligochaete <i>Enchytraeus crypticus</i> . <i>Science of the Total Environment</i> , 2019, 654, 643-650.	3.9	25
67	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
68	Niche specialization of comammox <i>Nitrospira</i> clade A in terrestrial ecosystems. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108231.	4.2	25
69	Host identity determines plant associated resistomes. <i>Environmental Pollution</i> , 2020, 258, 113709.	3.7	23
70	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
71	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.	1.1	22
72	The end of hunger: fertilizers, microbes and plant productivity. <i>Microbial Biotechnology</i> , 2022, 15, 1050-1054.	2.0	22

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73	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.	3.9	21
74	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
75	Seasonal change is a major driver of soil resistomes at a watershed scale. <i>ISME Communications</i> , 2021, 1, .	1.7	20
76	Precipitation increases the abundance of fungal plant pathogens in <i>Eucalyptus</i> phyllosphere. <i>Environmental Microbiology</i> , 2021, 23, 7688-7700.	1.8	20
77	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
78	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
79	The gut microbiota of soil organisms show species-specific responses to liming. <i>Science of the Total Environment</i> , 2019, 659, 715-723.	3.9	16
80	The driving factors of nematode gut microbiota under long-term fertilization. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	12
81	Transmission of antibiotic resistance genes in agroecosystems: an overview. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 329.	0.9	12
82	DirtyGenes: testing for significant changes in gene or bacterial population compositions from a small number of samples. <i>Scientific Reports</i> , 2019, 9, 2373.	1.6	11
83	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.	2.7	10
84	Calling for comprehensive explorations between soil invertebrates and arbuscular mycorrhizas. <i>Trends in Plant Science</i> , 2022, 27, 793-801.	4.3	10
85	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
86	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
87	Termite mounds reduce soil microbial diversity by filtering rare microbial taxa. <i>Environmental Microbiology</i> , 2021, 23, 2659-2668.	1.8	8
88	Antibiotic resistance genes in the soil ecosystem and planetary health: Progress and prospect. <i>Scientia Sinica Vitae</i> , 2019, 49, 1652-1663.	0.1	8
89	Cross-biome antibiotic resistance decays after millions of years of soil development. <i>ISME Journal</i> , 2022, 16, 1864-1867.	4.4	8
90	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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91	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.	1.5	6
92	Contrasting ecological processes shape the Eucalyptus phyllosphere bacterial and fungal community assemblies. , 2022, 1, 73-83.		5
93	Organic fertilization regimes suppress fungal plant pathogens through modulating the resident bacterial and protistan communities. , 2022, 1, 43-53.		3
94	Bacterioplankton Richness and Composition in a Seasonal Urban River. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	2
95	Effects of Environmental Factors on the Soil Nitrogen Transformation in Terrestrial Ecosystems. , 2012, , .		1
96	Response to Comment on "Application of Struvite Alters the Antibiotic Resistome in Soil, Rhizosphere, and Phyllosphere" <i>Environmental Science &amp; Technology</i> , 2018, 52, 14566-14567.	4.6	0