Qing-Lin Chen

List of Publications by Year
in descending order

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		57758	64796
96	6,929	44	79
papers	citations	h-index	g-index

101	101	101	4744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tire wear particles: An emerging threat to soil health. Critical Reviews in Environmental Science and Technology, 2023, 53, 239-257.	12.8	37
2	The end of hunger: fertilizers, microbes and plant productivity. Microbial Biotechnology, 2022, 15, 1050-1054.	4.2	22
3	Contrasting ecological processes shape the Eucalyptus phyllosphere bacterial and fungal community assemblies. , 2022, 1, 73-83.		5
4	Livestock manure spiked with the antibiotic tylosin significantly altered soil protist functional groups. Journal of Hazardous Materials, 2022, 427, 127867.	12.4	9
5	Impacts of global change on the phyllosphere microbiome. New Phytologist, 2022, 234, 1977-1986.	7.3	75
6	Ensuring planetary survival: the centrality of organic carbon in balancing the multifunctional nature of soils. Critical Reviews in Environmental Science and Technology, 2022, 52, 4308-4324.	12.8	52
7	Aridity decreases soil protistan network complexity and stability. Soil Biology and Biochemistry, 2022, 166, 108575.	8.8	26
8	Climate warming increases the proportions of specific antibiotic resistance genes in natural soil ecosystems. Journal of Hazardous Materials, 2022, 430, 128442.	12.4	19
9	Organic fertilization regimes suppress fungal plant pathogens through modulating the resident bacterial and protistan communities. , 2022, 1, 43-53.		3
10	Cross-biome antibiotic resistance decays after millions of years of soil development. ISME Journal, 2022, 16, 1864-1867.	9.8	8
11	Calling for comprehensive explorations between soil invertebrates and arbuscular mycorrhizas. Trends in Plant Science, 2022, 27, 793-801.	8.8	10
12	Semi-solid state promotes the methane production during anaerobic co-digestion of chicken manure with corn straw comparison to wet and high-solid state. Journal of Environmental Management, 2022, 316, 115264.	7.8	9
13	Deterministic selection dominates microbial community assembly in termite mounds. Soil Biology and Biochemistry, 2021, 152, 108073.	8.8	60
14	Microbial communities in crop phyllosphere and root endosphere are more resistant than soil microbiota to fertilization. Soil Biology and Biochemistry, 2021, 153, 108113.	8.8	81
15	Fates of Antibiotic Resistance Genes in the Gut Microbiome from Different Soil Fauna under Long-Term Fertilization. Environmental Science & Technology, 2021, 55, 423-432.	10.0	26
16	Fertilization alters protistan consumers and parasites in cropâ€associated microbiomes. Environmental Microbiology, 2021, 23, 2169-2183.	3.8	52
17	Termite mounds reduce soil microbial diversity by filtering rare microbial taxa. Environmental Microbiology, 2021, 23, 2659-2668.	3.8	8
18	Potential of indigenous crop microbiomes for sustainable agriculture. Nature Food, 2021, 2, 233-240.	14.0	51

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19	Insights on the effects of ZnO nanoparticle exposure on soil heterotrophic respiration as revealed by soil microbial communities and activities. Journal of Soils and Sediments, 2021, 21, 2315-2326.	3.0	6
20	Biotic and abiotic factors distinctly drive contrasting biogeographic patterns between phyllosphere and soil resistomes in natural ecosystems. ISME Communications, 2021, 1, .	4.2	23
21	Niche specialization of comammox Nitrospira clade A in terrestrial ecosystems. Soil Biology and Biochemistry, 2021, 156, 108231.	8.8	25
22	Seasonal change is a major driver of soil resistomes at a watershed scale. ISME Communications, 2021, 1, .	4.2	20
23	Dynamics of antibiotic resistance and its association with bacterial community in a drinking water treatment plant and the residential area. Environmental Science and Pollution Research, 2021, 28, 55690-55699.	5.3	10
24	Termite mound formation reduces the abundance and diversity of soil resistomes. Environmental Microbiology, 2021, 23, 7661-7670.	3.8	7
25	Precipitation increases the abundance of fungal plant pathogens in Eucalyptus phyllosphere. Environmental Microbiology, 2021, 23, 7688-7700.	3.8	20
26	Distinct factors drive the diversity and composition of protistan consumers and phototrophs in natural soil ecosystems. Soil Biology and Biochemistry, 2021, 160, 108317.	8.8	34
27	Exposure to heavy metal and antibiotic enriches antibiotic resistant genes on the tire particles in soil. Science of the Total Environment, 2021, 792, 148417.	8.0	21
28	Bacterioplankton Richness and Composition in a Seasonal Urban River. Frontiers in Environmental Science, 2021, 9, .	3.3	2
29	Agricultural activities affect the pattern of the resistome within the phyllosphere microbiome in peri-urban environments. Journal of Hazardous Materials, 2020, 382, 121068.	12.4	28
30	Growth of comammox Nitrospira is inhibited by nitrification inhibitors in agricultural soils. Journal of Soils and Sediments, 2020, 20, 621-628.	3.0	38
31	Effects of repeated applications of urea with DMPP on ammonia oxidizers, denitrifiers, and non-targeted microbial communities of an agricultural soil in Queensland, Australia. Applied Soil Ecology, 2020, 147, 103392.	4.3	26
32	Manure Application Did Not Enrich Antibiotic Resistance Genes in Root Endophytic Bacterial Microbiota of Cherry Radish Plants. Applied and Environmental Microbiology, 2020, 86, .	3.1	25
33	Does soil CuO nanoparticles pollution alter the gut microbiota and resistome of Enchytraeus crypticus?. Environmental Pollution, 2020, 256, 113463.	7.5	30
34	Do combined nanoscale polystyrene and tetracycline impact on the incidence of resistance genes and microbial community disturbance in Enchytraeus crypticus?. Journal of Hazardous Materials, 2020, 387, 122012.	12.4	55
35	Rare microbial taxa as the major drivers of ecosystem multifunctionality in long-term fertilized soils. Soil Biology and Biochemistry, 2020, 141, 107686.	8.8	247
36	Host identity determines plant associated resistomes. Environmental Pollution, 2020, 258, 113709.	7.5	23

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37	Microbial regulation of natural antibiotic resistance: Understanding the protist-bacteria interactions for evolution of soil resistome. Science of the Total Environment, 2020, 705, 135882.	8.0	63
38	Oxytetracycline and Ciprofloxacin Exposure Altered the Composition of Protistan Consumers in an Agricultural Soil. Environmental Science & Technology, 2020, 54, 9556-9563.	10.0	51
39	Niche differentiation of clade A comammox Nitrospira and canonical ammonia oxidizers in selected forest soils. Soil Biology and Biochemistry, 2020, 149, 107925.	8.8	59
40	Impacts of different sources of animal manures on dissemination of human pathogenic bacteria in agricultural soils. Environmental Pollution, 2020, 266, 115399.	7.5	28
41	The Fungal Microbiome Is an Important Component of Vineyard Ecosystems and Correlates with Regional Distinctiveness of Wine. MSphere, 2020, 5, .	2.9	70
42	Temporal Dynamics of Antibiotic Resistome in the Plastisphere during Microbial Colonization. Environmental Science & Technology, 2020, 54, 11322-11332.	10.0	135
43	Soil bacterial taxonomic diversity is critical to maintaining the plant productivity. Environment International, 2020, 140, 105766.	10.0	114
44	Microbial functional attributes, rather than taxonomic attributes, drive top soil respiration, nitrification and denitrification processes. Science of the Total Environment, 2020, 734, 139479.	8.0	56
45	Dysbiosis in the Gut Microbiota of Soil Fauna Explains the Toxicity of Tire Tread Particles. Environmental Science & Technology, 2020, 54, 7450-7460.	10.0	71
46	Microbial functional traits in phyllosphere are more sensitive to anthropogenic disturbance than in soil. Environmental Pollution, 2020, 265, 114954.	7.5	34
47	The driving factors of nematode gut microbiota under long-term fertilization. FEMS Microbiology Ecology, 2020, 96, .	2.7	12
48	Industrial development as a key factor explaining variances in soil and grass phyllosphere microbiomes in urban green spaces. Environmental Pollution, 2020, 261, 114201.	7.5	19
49	High-solid anaerobic co-digestion of pig manure with lignite promotes methane production. Journal of Cleaner Production, 2020, 258, 120695.	9.3	20
50	Fate of antibiotic resistance genes during high-solid anaerobic co-digestion of pig manure with lignite. Bioresource Technology, 2020, 303, 122906.	9.6	30
51	Transmission of antibiotic resistance genes in agroecosystems: an overview. Frontiers of Agricultural Science and Engineering, 2020, 7, 329.	1.4	12
52	Loss of soil microbial diversity exacerbates spread of antibiotic resistance. Soil Ecology Letters, 2019, 1, 3-13.	4.5	66
53	Comammox Nitrospira play an active role in nitrification of agricultural soils amended with nitrogen fertilizers. Soil Biology and Biochemistry, 2019, 138, 107609.	8.8	143
54	Adsorbed Sulfamethoxazole Exacerbates the Effects of Polystyrene (â¹¼2 Î¼m) on Gut Microbiota and the Antibiotic Resistome of a Soil Collembolan. Environmental Science & Technology, 2019, 53, 12823-12834.	10.0	63

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55	Antibiotic resistance in urban green spaces mirrors the pattern of industrial distribution. Environment International, 2019, 132, 105106.	10.0	42
56	Transfer of antibiotic resistance from manure-amended soils to vegetable microbiomes. Environment International, 2019, 130, 104912.	10.0	278
57	Does nano silver promote the selection of antibiotic resistance genes in soil and plant?. Environment International, 2019, 128, 399-406.	10.0	59
58	Effects of diet on gut microbiota of soil collembolans. Science of the Total Environment, 2019, 676, 197-205.	8.0	28
59	Salinity as a predominant factor modulating the distribution patterns of antibiotic resistance genes in ocean and river beach soils. Science of the Total Environment, 2019, 668, 193-203.	8.0	54
60	Fate of Antibiotic Resistant Pseudomonas putida and Broad Host Range Plasmid in Natural Soil Microcosms. Frontiers in Microbiology, 2019, 10, 194.	3.5	48
61	Antibiotic Resistomes in Plant Microbiomes. Trends in Plant Science, 2019, 24, 530-541.	8.8	233
62	Time-resolved spread of antibiotic resistance genes in highly polluted air. Environment International, 2019, 127, 333-339.	10.0	67
63	DirtyGenes: testing for significant changes in gene or bacterial population compositions from a small number of samples. Scientific Reports, 2019, 9, 2373.	3.3	11
64	Effects of long-term fertilization on the associated microbiota of soil collembolan. Soil Biology and Biochemistry, 2019, 130, 141-149.	8.8	34
65	Exposure to tetracycline perturbs the microbiome of soil oligochaete Enchytraeus crypticus. Science of the Total Environment, 2019, 654, 643-650.	8.0	25
66	The gut microbiota of soil organisms show species-specific responses to liming. Science of the Total Environment, 2019, 659, 715-723.	8.0	16
67	Long-term application of organic fertilization causes the accumulation of antibiotic resistome in earthworm gut microbiota. Environment International, 2019, 124, 145-152.	10.0	102
68	Organic Carbon Amendments Affect the Chemodiversity of Soil Dissolved Organic Matter and Its Associations with Soil Microbial Communities. Environmental Science & Technology, 2019, 53, 50-59.	10.0	150
69	Antibiotic resistance genes in the soil ecosystem and planetary health: Progress and prospect. Scientia Sinica Vitae, 2019, 49, 1652-1663.	0.3	8
70	Impact of Wastewater Treatment on the Prevalence of Integrons and the Genetic Diversity of Integron Gene Cassettes. Applied and Environmental Microbiology, 2018, 84, .	3.1	62
71	Antibiotics Disturb the Microbiome and Increase the Incidence of Resistance Genes in the Gut of a Common Soil Collembolan. Environmental Science & Technology, 2018, 52, 3081-3090.	10.0	162
72	Trophic predator-prey relationships promote transport of microplastics compared with the single Hypoaspis aculeifer and Folsomia candida. Environmental Pollution, 2018, 235, 150-154.	7.5	134

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73	Spatial and temporal distribution of antibiotic resistomes in a peri-urban area is associated significantly with anthropogenic activities. Environmental Pollution, 2018, 235, 525-533.	7.5	74
74	Effect of biochar amendment on the alleviation of antibiotic resistance in soil and phyllosphere of Brassica chinensis L.. Soil Biology and Biochemistry, 2018, 119, 74-82.	8.8	105
75	Distinct effects of struvite and biochar amendment on the class 1 integron antibiotic resistance gene cassettes in phyllosphere and rhizosphere. Science of the Total Environment, 2018, 631-632, 668-676.	8.0	40
76	Exposure of soil collembolans to microplastics perturbs their gut microbiota and alters their isotopic composition. Soil Biology and Biochemistry, 2018, 116, 302-310.	8.8	385
77	Land Use Influences Antibiotic Resistance in the Microbiome of Soil Collembolans Orchesellides sinensis. Environmental Science & Technology, 2018, 52, 14088-14098.	10.0	46
78	Response to Comment on â€œApplication of Struvite Alters the Antibiotic Resistome in Soil, Rhizosphere, and Phyllosphereâ€. Environmental Science & Technology, 2018, 52, 14566-14567.	10.0	0
79	Exposure of a Soil Collembolan to Ag Nanoparticles and AgNO₃ Disturbs Its Associated Microbiota and Lowers the Incidence of Antibiotic Resistance Genes in the Gut. Environmental Science & Technology, 2018, 52, 12748-12756.	10.0	67
80	Antibiotic resistance genes and associated bacterial communities in agricultural soils amended with different sources of animal manures. Soil Biology and Biochemistry, 2018, 126, 91-102.	8.8	170
81	Long-term organic fertilization increased antibiotic resistome in phyllosphere of maize. Science of the Total Environment, 2018, 645, 1230-1237.	8.0	97
82	Global Survey of Antibiotic Resistance Genes in Air. Environmental Science & Technology, 2018, 52, 10975-10984.	10.0	227
83	Tracking antibiotic resistome during wastewater treatment using high throughput quantitative PCR. Environment International, 2018, 117, 146-153.	10.0	152
84	Long-term nitrogen fertilization decreased the abundance of inorganic phosphate solubilizing bacteria in an alkaline soil. Scientific Reports, 2017, 7, 42284.	3.3	50
85	Application of Struvite Alters the Antibiotic Resistome in Soil, Rhizosphere, and Phyllosphere. Environmental Science & Technology, 2017, 51, 8149-8157.	10.0	196
86	Application of genomic technologies to measure and monitor antibiotic resistance in animals. Annals of the New York Academy of Sciences, 2017, 1388, 121-135.	3.8	41
87	Do manure-borne or indigenous soil microorganisms influence the spread of antibiotic resistance genes in manured soil?. Soil Biology and Biochemistry, 2017, 114, 229-237.	8.8	170
88	An underappreciated hotspot of antibiotic resistance: The groundwater near the municipal solid waste landfill. Science of the Total Environment, 2017, 609, 966-973.	8.0	133
89	Does organically produced lettuce harbor higher abundance of antibiotic resistance genes than conventionally produced?. Environment International, 2017, 98, 152-159.	10.0	205
90	Metagenomics of urban sewage identifies an extensively shared antibiotic resistome in China. Microbiome, 2017, 5, 84.	11.1	247

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91	Long-term field application of sewage sludge increases the abundance of antibiotic resistance genes in soil. Environment International, 2016, 92-93, 1-10.	10.0	620
92	Short-Term Response of Soil Enzyme Activity and Soil Respiration to Repeated Carbon Nanotubes Exposure. Soil and Sediment Contamination, 2015, 24, 250-261.	1.9	22
93	Responses of soil ammonia-oxidizing microorganisms to repeated exposure of single-walled and multi-walled carbon nanotubes. Science of the Total Environment, 2015, 505, 649-657.	8.0	27
94	Soil microbial community toxic response to atrazine and its residues under atrazine and lead contamination. Environmental Science and Pollution Research, 2015, 22, 996-1007.	5.3	44
95	The combined effects of atrazine and lead (Pb): Relative microbial activities and herbicide dissipation. Ecotoxicology and Environmental Safety, 2014, 102, 93-99.	6.0	38
96	Effects of Environmental Factors on the Soil Nitrogen Transformation in Terrestrial Ecosystems. , 2012, , .		1