Yong-Guan Zhu

List of Publications by Year
in descending order

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Version: 2024-02-01

657	63,892	576	1801
papers	citations	129 h-index	217 g-index

666	666	666	42112
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.	6.6	37
2	Soil metaphenomics: a step forward in metagenomics. Archives of Agronomy and Soil Science, 2022, 68, 1645-1663.	1.3	5
3	The enigma of environmental organoarsenicals: Insights and implications. Critical Reviews in Environmental Science and Technology, 2022, 52, 3835-3862.	6.6	20
4	Soil plastispheres as hotspots of antibiotic resistance genes and potential pathogens. ISME Journal, 2022, 16, 521-532.	4.4	148
5	Profiling the antibiotic resistome in soils between pristine and human-affected sites on the Tibetan Plateau. Journal of Environmental Sciences, 2022, 111, 442-451.	3.2	16
6	The chemical-microbial release and transformation of arsenic induced by citric acid in paddy soil. Journal of Hazardous Materials, 2022, 421, 126731.	6.5	14
7	Metabolic responses of indigenous bacteria in chicken faeces and maggots to multiple antibiotics via heavy water labeled single-cell Raman spectroscopy. Journal of Environmental Sciences, 2022, 113, 394-402.	3.2	5
8	Variations of earthworm gut bacterial community composition and metabolic functions in coastal upland soil along a 700-year reclamation chronosequence. Science of the Total Environment, 2022, 804, 149994.	3.9	27
9	Fluoroquinolone antibiotics disturb the defense system, gut microbiome, and antibiotic resistance genes of Enchytraeus crypticus. Journal of Hazardous Materials, 2022, 424, 127509.	6.5	24
10	Similar heterotrophic communities but distinct interactions supported by red and greenâ€snow algae in the Antarctic Peninsula. New Phytologist, 2022, 233, 1358-1368.	3.5	7
11	Distribution, transfer, ecological and human health risks of antibiotics in bay ecosystems. Environment International, 2022, 158, 106949.	4.8	24
12	Host age increased conjugal plasmid transfer in gut microbiota of the soil invertebrate Caenorhabditis elegans. Journal of Hazardous Materials, 2022, 424, 127525.	6.5	6
13	Long-term combined application of chemical fertilizers and organic manure shapes the gut microbial diversity and functional community structures of earthworms. Applied Soil Ecology, 2022, 170, 104250.	2.1	10
14	Landscape of genes in hospital wastewater breaking through the defense line of last-resort antibiotics. Water Research, 2022, 209, 117907.	5.3	13
15	Discarded masks as hotspots of antibiotic resistance genes during COVID-19 pandemic. Journal of Hazardous Materials, 2022, 425, 127774.	6.5	22
16	Powering biological nitrogen removal from the environment by geobatteries. Trends in Biotechnology, 2022, 40, 377-380.	4.9	10
17	Microbial communities on biodegradable plastics under different fertilization practices in farmland soil microcosms. Science of the Total Environment, 2022, 809, 152184.	3.9	22
18	Antibiotic resistance genes and antibiotic sensitivity in bacterial aerosols and their comparisons with known respiratory pathogens. Journal of Aerosol Science, 2022, 161, 105931.	1.8	11

#	ARTICLE	IF	CITATIONS
19	How to build Urbanome, the genome of the city?. Science of the Total Environment, 2022, 810, 152310.	3.9	2
20	Removal of potentially toxic elements from contaminated soil and water using bone char compared to plant- and bone-derived biochars: A review. Journal of Hazardous Materials, 2022, 427, 128131.	6.5	31
21	Organochlorine contamination enriches virus-encoded metabolism and pesticide degradation associated auxiliary genes in soil microbiomes. ISME Journal, 2022, 16, 1397-1408.	4.4	45
22	Biosafety of human environments can be supported by effective use of renewable biomass. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	5
23	Impacts of global change on the phyllosphere microbiome. New Phytologist, 2022, 234, 1977-1986.	3.5	75
24	Identification of the rhizosphere microbes that actively consume plant-derived carbon. Soil Biology and Biochemistry, 2022, 166, 108577.	4.2	14
25	Nanopore sequencing analysis of integron gene cassettes in sewages and soils. Science of the Total Environment, 2022, 817, 152766.	3.9	9
26	The ecological clusters of soil organisms drive the ecosystem multifunctionality under long-term fertilization. Environment International, 2022, 161, 107133.	4.8	53
27	å™¬èŒä½“å¾®ç”Ÿæ€ç——æ³•ä¸Žä¸€ä½“åŒ–å¥åº·ï¼šç©ºçŠ¶ã€æŒ‘æˆ˜ä¸Žæœºé‡. Scientia Sinica Vitae, 2022, , .	0.1	0
28	Viral diversity and potential environmental risk in microplastic at watershed scale: Evidence from metagenomic analysis of plastisphere. Environment International, 2022, 161, 107146.	4.8	23
29	Cross-biome antibiotic resistance decays after millions of years of soil development. ISME Journal, 2022, 16, 1864-1867.	4.4	8
30	Calling for comprehensive explorations between soil invertebrates and arbuscular mycorrhizas. Trends in Plant Science, 2022, 27, 793-801.	4.3	10
31	Abundance cannot represent antibiotic resistance risk. Soil Ecology Letters, 2022, 4, 291-292.	2.4	5
32	Soil inorganic carbon sequestration through alkalinity regeneration using biologically induced weathering of rock powder and biochar. Soil Ecology Letters, 2022, 4, 293-306.	2.4	9
33	Patterns and drivers of the degradability of dissolved organic matter in dryland soils on the Tibetan Plateau. Journal of Applied Ecology, 2022, 59, 884-894.	1.9	5
34	Widespread of Potential Pathogen-Derived Extracellular Vesicles Carrying Antibiotic Resistance Genes in Indoor Dust. Environmental Science & Technology, 2022, 56, 5653-5663.	4.6	12
35	Influences of arsenate and/or phosphate adsorption to ferrihydrite on iron-reducing and arsenic-reducing microbial communities in paddy soil revealed by rRNA-13C-acetate probing. Soil Biology and Biochemistry, 2022, 169, 108679.	4.2	5
36	Continentalâ€scale plant invasions reshuffle the soil microbiome of blue carbon ecosystems. Global Change Biology, 2022, 28, 4423-4438.	4.2	14

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37	Speciation Evolution of Phosphorus and Sulfur Derived from Sewage Sludge Biochar in Soil: Ageing Effects. Environmental Science & Technology, 2022, 56, 6639-6646.	4.6	13
38	Effects of Trophic Level and Land Use on the Variation of Animal Antibiotic Resistome in the Soil Food Web. Environmental Science & Technology, 2022, 56, 14937-14947.	4.6	19
39	How different nitrogen fertilizers affect arsenic mobility in paddy soil after straw incorporation?. Journal of Hazardous Materials, 2022, 436, 129135.	6.5	10
40	Embedded Health Risk from Arsenic in Globally Traded Rice. Environmental Science & Technology, 2022, 56, 6415-6425.	4.6	10
41	Unveiling the role of dissolved organic matter on phosphorus sorption and availability in a 5-year manure amended paddy soil. Science of the Total Environment, 2022, 838, 155892.	3.9	8
42	Organic fertilizer potentiates the transfer of typical antibiotic resistance gene among special bacterial species. Journal of Hazardous Materials, 2022, 435, 128985.	6.5	15
43	Globally distributed mining-impacted environments are underexplored hotspots of multidrug resistance genes. ISME Journal, 2022, 16, 2099-2113.	4.4	35
44	Root stoichiometry explains wheat endophytes and their link with crop production after four decades of fertilization. Science of the Total Environment, 2022, 846, 157407.	3.9	4
45	Estuarine plastisphere as an overlooked source of N2O production. Nature Communications, 2022, 13, .	5.8	63
46	Sustainable removal of soil arsenic by naturally-formed iron oxides on plastic tubes. Journal of Hazardous Materials, 2022, 439, 129626.	6.5	3
47	A critical review of microplastic pollution in urban freshwater environments and legislative progress in China: Recommendations and insights. Critical Reviews in Environmental Science and Technology, 2021, 51, 2637-2680.	6.6	34
48	The co-evolution of life and organics on earth: Expansions of energy harnessing. Critical Reviews in Environmental Science and Technology, 2021, 51, 603-625.	6.6	2
49	Antibiotic resistome in the livestock and aquaculture industries: Status and solutions. Critical Reviews in Environmental Science and Technology, 2021, 51, 2159-2196.	6.6	109
50	Earthworm gut: An overlooked niche for anaerobic ammonium oxidation in agricultural soil. Science of the Total Environment, 2021, 752, 141874.	3.9	6
51	Co-selection of antibiotic resistance genes, and mobile genetic elements in the presence of heavy metals in poultry farm environments. Science of the Total Environment, 2021, 755, 142702.	3.9	122
52	Air pollution could drive global dissemination of antibiotic resistance genes. ISME Journal, 2021, 15, 270-281.	4.4	95
53	Rare taxa maintain the stability of crop mycobiomes and ecosystem functions. Environmental Microbiology, 2021, 23, 1907-1924.	1.8	132
54	Biodiversity of key-stone phylotypes determines crop production in a 4-decade fertilization experiment. ISME Journal, 2021, 15, 550-561.	4.4	208

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55	Lessons learned from COVID-19 on potentially pathogenic soil microorganisms. Soil Ecology Letters, 2021, 3, 1-5.	2.4	18
56	Deterministic selection dominates microbial community assembly in termite mounds. Soil Biology and Biochemistry, 2021, 152, 108073.	4.2	60
57	Fates of Antibiotic Resistance Genes in the Gut Microbiome from Different Soil Fauna under Long-Term Fertilization. Environmental Science & Technology, 2021, 55, 423-432.	4.6	26
58	Metagenomic and <scp>¹⁴C</scp> tracing evidence for autotrophic microbial <scp>CO₂</scp> fixation in paddy soils. Environmental Microbiology, 2021, 23, 924-933.	1.8	13
59	Host selection shapes crop microbiome assembly and network complexity. New Phytologist, 2021, 229, 1091-1104.	3.5	349
60	Evaluation of Microbe-Driven Soil Organic Matter Quantity and Quality by Thermodynamic Theory. MBio, 2021, 12, .	1.8	7
61	Herbicide Selection Promotes Antibiotic Resistance in Soil Microbiomes. Molecular Biology and Evolution, 2021, 38, 2337-2350.	3.5	68
62	Long-Term Fertilization Shapes the Putative Electrotrophic Microbial Community in Paddy Soils Revealed by Microbial Electrosynthesis Systems. Environmental Science & Technology, 2021, 55, 3430-3441.	4.6	17
63	Bacterial communities are more sensitive to ocean acidification than fungal communities in estuarine sediments. FEMS Microbiology Ecology, 2021, 97, .	1.3	7
64	Termite mounds reduce soil microbial diversity by filtering rare microbial taxa. Environmental Microbiology, 2021, 23, 2659-2668.	1.8	8
65	Potential of indigenous crop microbiomes for sustainable agriculture. Nature Food, 2021, 2, 233-240.	6.2	51
66	Biotic and abiotic factors distinctly drive contrasting biogeographic patterns between phyllosphere and soil resistomes in natural ecosystems. ISME Communications, 2021, 1, .	1.7	23
67	Soil-Food-Environment-Health Nexus for Sustainable Development. Research, 2021, 2021, 9804807.	2.8	15
68	Antibiotic resistance in the soil ecosystem: A One Health perspective. Current Opinion in Environmental Science and Health, 2021, 20, 100230.	2.1	43
69	Deciphering Potential Roles of Earthworms in Mitigation of Antibiotic Resistance in the Soils from Diverse Ecosystems. Environmental Science & Technology, 2021, 55, 7445-7455.	4.6	49
70	Developing Surrogate Markers for Predicting Antibiotic Resistance â€œHot Spotsâ€•in Rivers Where Limited Data Are Available. Environmental Science & Technology, 2021, 55, 7466-7478.	4.6	21
71	Seasonal change is a major driver of soil resistomes at a watershed scale. ISME Communications, 2021, 1, .	1.7	20
72	Termite mound formation reduces the abundance and diversity of soil resistomes. Environmental Microbiology, 2021, 23, 7661-7670.	1.8	7

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73	Impact of Urbanization on Antibiotic Resistome in Different Microplastics: Evidence from a Large-Scale Whole River Analysis. Environmental Science & Technology, 2021, 55, 8760-8770.	4.6	57
74	Super pathogens from environmental biotechnologies threaten global health. National Science Review, 2021, 8, nwab110.	4.6	4
75	Novel clades of soil biphenyl degraders revealed by integrating isotope probing, multi-omics, and single-cell analyses. ISME Journal, 2021, 15, 3508-3521.	4.4	14
76	Antibiotic exposure decreases soil arsenic oral bioavailability in mice by disrupting ileal microbiota and metabolic profile. Environment International, 2021, 151, 106444.	4.8	26
77	Agricultural land-use change and rotation system exert considerable influences on the soil antibiotic resistome in Lake Tai Basin. Science of the Total Environment, 2021, 771, 144848.	3.9	27
78	Vertical distribution of antibiotic resistance genes in an urban green facade. Environment International, 2021, 152, 106502.	4.8	24
79	Mycorrhiza and Iron Tailings Synergistically Enhance Maize Resistance to Arsenic on Medium Arsenic-Polluted Soils Through Increasing Phosphorus and Iron Uptake. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 1155-1160.	1.3	5
80	Arbuscular mycorrhizal fungi and plant diversity drive restoration of nitrogenâ€cycling microbial communities. Molecular Ecology, 2021, 30, 4133-4146.	2.0	12
81	Spatial patterns of urban green space and its actual utilization status in China based on big data analysis. Big Earth Data, 2021, 5, 391-409.	2.0	11
82	Arsenic transformation and volatilization by arbuscular mycorrhizal symbiosis under axenic conditions. Journal of Hazardous Materials, 2021, 413, 125390.	6.5	14
83	High-Throughput Single-Cell Technology Reveals the Contribution of Horizontal Gene Transfer to Typical Antibiotic Resistance Gene Dissemination in Wastewater Treatment Plants. Environmental Science & Technology, 2021, 55, 11824-11834.	4.6	33
84	Paper-Based Devices As a New Tool for Rapid and on-Site Monitoring of â€œSuperbugsâ€• Environmental Science & Technology, 2021, 55, 12133-12135.	4.6	2
85	Environmental antimicrobial resistance is associated with faecal pollution in Central Thailandâ€™s coastal aquaculture region. Journal of Hazardous Materials, 2021, 416, 125718.	6.5	25
86	Longitudinal study on the effects of growth-promoting and therapeutic antibiotics on the dynamics of chicken cloacal and litter microbiomes and resistomes. Microbiome, 2021, 9, 178.	4.9	30
87	Precipitation increases the abundance of fungal plant pathogens in Eucalyptus phyllosphere. Environmental Microbiology, 2021, 23, 7688-7700.	1.8	20
88	Stimulation of N₂O emission via bacterial denitrification driven by acidification in estuarine sediments. Global Change Biology, 2021, 27, 5564-5579.	4.2	34
89	High Arsenic Levels Increase Activity Rather than Diversity or Abundance of Arsenic Metabolism Genes in Paddy Soils. Applied and Environmental Microbiology, 2021, 87, e0138321.	1.4	9
90	Continental-Scale Paddy Soil Bacterial Community Structure, Function, and Biotic Interaction. MSystems, 2021, 6, e0136820.	1.7	6

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91	Future research needs for environmental science in China. Geography and Sustainability, 2021, , .	1.9	3
92	Gammaproteobacteria, a core taxon in the guts of soil fauna, are potential responders to environmental concentrations of soil pollutants. Microbiome, 2021, 9, 196.	4.9	46
93	MoS₂ Nanosheetsâ€“Cyanobacteria Interaction: Reprogrammed Carbon and Nitrogen Metabolism. ACS Nano, 2021, 15, 16344-16356.	7.3	28
94	Trophic level drives the host microbiome of soil invertebrates at a continental scale. Microbiome, 2021, 9, 189.	4.9	18
95	Raman biosensor and molecular tools for integrated monitoring of pathogens and antimicrobial resistance in wastewater. TrAC - Trends in Analytical Chemistry, 2021, 143, 116415.	5.8	13
96	Insights into the roles of fungi and protist in the giant panda gut microbiome and antibiotic resistome. Environment International, 2021, 155, 106703.	4.8	26
97	Characterization of tetracycline-resistant microbiome in soil-plant systems by combination of H218O-based DNA-Stable isotope probing and metagenomics. Journal of Hazardous Materials, 2021, 420, 126440.	6.5	10
98	Viral Community and Virus-Associated Antibiotic Resistance Genes in Soils Amended with Organic Fertilizers. Environmental Science & Technology, 2021, 55, 13881-13890.	4.6	49
99	Warming-driven migration of core microbiota indicates soil property changes at continental scale. Science Bulletin, 2021, 66, 2025-2035.	4.3	12
100	How can fertilization regimes and durations shape earthworm gut microbiota in a long-term field experiment?. Ecotoxicology and Environmental Safety, 2021, 224, 112643.	2.9	9
101	Combined pollution of arsenic and Polymyxin B enhanced arsenic toxicity and enriched ARG abundance in soil and earthworm gut microbiotas. Journal of Environmental Sciences, 2021, 109, 171-180.	3.2	17
102	Will a Non-antibiotic Metalloid Enhance the Spread of Antibiotic Resistance Genes: The Selenate Story. Environmental Science & Technology, 2021, 55, 1004-1014.	4.6	42
103	Influence of Legacy Mercury on Antibiotic Resistomes: Evidence from Agricultural Soils with Different Cropping Systems. Environmental Science & Technology, 2021, 55, 13913-13922.	4.6	19
104	Does biological rhythm transmit from plants to rhizosphere microbes?. Environmental Microbiology, 2021, 23, 6895-6906.	1.8	8
105	Technologies and perspectives for achieving carbon neutrality. Innovation(China), 2021, 2, 100180.	5.2	306
106	Global meta-analysis of microplastic contamination in reservoirs with a novel framework. Water Research, 2021, 207, 117828.	5.3	68
107	Build in prevention and preparedness to improve climate resilience in coastal cities: Lessons from Chinaâ€™s GBA. One Earth, 2021, 4, 1356-1360.	3.6	13
108	Controlling pathogenic risks of water treatment biotechnologies at the source by genetic editing means. Environmental Microbiology, 2021, 23, 7578-7590.	1.8	9

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109	Spatial and temporal dynamics of microbiomes and resistomes in broiler litter stockpiles. Computational and Structural Biotechnology Journal, 2021, 19, 6201-6211.	1.9	5
110	Bioavailable arsenic and amorphous iron oxides provide reliable predictions for arsenic transfer in soil-wheat system. Journal of Hazardous Materials, 2020, 383, 121160.	6.5	34
111	Identification of potential electrotrophic microbial community in paddy soils by enrichment of microbial electrolysis cell biocathodes. Journal of Environmental Sciences, 2020, 87, 411-420.	3.2	7
112	Phosphorus fractions and oxygen isotope composition of inorganic phosphate in typical agricultural soils. Chemosphere, 2020, 239, 124622.	4.2	25
113	Partial replacement of inorganic phosphorus (P) by organic manure reshapes phosphate mobilizing bacterial community and promotes P bioavailability in a paddy soil. Science of the Total Environment, 2020, 703, 134977.	3.9	95
114	Large-scale patterns of soil antibiotic resistome in Chinese croplands. Science of the Total Environment, 2020, 712, 136418.	3.9	53
115	Chronic kidney disease of unknown etiology (CKDu): Using a system dynamics model to conceptualize the multiple environmental causative pathways of the epidemic. Science of the Total Environment, 2020, 705, 135766.	3.9	11
116	Microbial resistance promotes plant production in a four-decade nutrient fertilization experiment. Soil Biology and Biochemistry, 2020, 141, 107679.	4.2	59
117	Rare microbial taxa as the major drivers of ecosystem multifunctionality in long-term fertilized soils. Soil Biology and Biochemistry, 2020, 141, 107686.	4.2	247
118	Host identity determines plant associated resistomes. Environmental Pollution, 2020, 258, 113709.	3.7	23
119	Restoring Abandoned Farmland to Mitigate Climate Change on a Full Earth. One Earth, 2020, 3, 176-186.	3.6	60
120	Integrating Biomedical, Ecological, and Sustainability Sciences to Manage Emerging Infectious Diseases. One Earth, 2020, 3, 23-26.	3.6	22
121	Mediated electrochemical analysis as emerging tool to unravel links between microbial redox cycling of natural organic matter and anoxic nitrogen cycling. Earth-Science Reviews, 2020, 208, 103281.	4.0	10
122	Meteorological impact on the COVID-19 pandemic: A study across eight severely affected regions in South America. Science of the Total Environment, 2020, 744, 140881.	3.9	56
123	Coupled anaerobic methane oxidation and reductive arsenic mobilization in wetland soils. Nature Geoscience, 2020, 13, 799-805.	5.4	71
124	Could Global Intensification of Nitrogen Fertilisation Increase Immunogenic Proteins and Favour the Spread of Coeliac Pathology?. Foods, 2020, 9, 1602.	1.9	9
125	Transboundary Environmental Footprints of the Urban Food Supply Chain and Mitigation Strategies. Environmental Science & Technology, 2020, 54, 10460-10471.	4.6	28
126	Crop production correlates with soil multitrophic communities at the large spatial scale. Soil Biology and Biochemistry, 2020, 151, 108047.	4.2	43

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127	COVID-19 reveals the systemic nature of urban health globally. Cities and Health, 2020, , 1-5.	1.6	12
128	Temporal Dynamics of Antibiotic Resistome in the Plastisphere during Microbial Colonization. Environmental Science & Technology, 2020, 54, 11322-11332.	4.6	135
129	Antibiotic Resistance in the Collembolan Gut Microbiome Accelerated by the Nonantibiotic Drug Carbamazepine. Environmental Science & Technology, 2020, 54, 10754-10762.	4.6	25
130	Cyanobacterial blooms contribute to the diversity of antibiotic-resistance genes in aquatic ecosystems. Communications Biology, 2020, 3, 737.	2.0	66
131	Soil bacterial taxonomic diversity is critical to maintaining the plant productivity. Environment International, 2020, 140, 105766.	4.8	114
132	High starter phosphorus fertilization facilitates soil phosphorus turnover by promoting microbial functional interaction in an arable soil. Journal of Environmental Sciences, 2020, 94, 179-185.	3.2	14
133	Space Is More Important than Season when Shaping Soil Microbial Communities at a Large Spatial Scale. MSystems, 2020, 5, .	1.7	71
134	Dysbiosis in the Gut Microbiota of Soil Fauna Explains the Toxicity of Tire Tread Particles. Environmental Science & Technology, 2020, 54, 7450-7460.	4.6	71
135	Response to the commentary by M.W.C. Dharma-wardana on â€˜Chronic kidney disease of unknown etiology (CKDu): Using a system dynamics model to conceptualize the multiple environmental causative pathways of the epidemicâ€™. Science of the Total Environment, 2020, 721, 137591.	3.9	0
136	Dam Construction as an Important Anthropogenic Activity Disturbing Soil Organic Carbon in Affected Watersheds. Environmental Science & Technology, 2020, 54, 7932-7941.	4.6	6
137	Microbial functional traits in phyllosphere are more sensitive to anthropogenic disturbance than in soil. Environmental Pollution, 2020, 265, 114954.	3.7	34
138	Abundance, diversity, and structure of Geobacteraceae community in paddy soil under long-term fertilization practices. Applied Soil Ecology, 2020, 153, 103577.	2.1	16
139	Changes in the environmental microbiome in the Anthropocene. Global Change Biology, 2020, 26, 3175-3177.	4.2	30
140	The driving factors of nematode gut microbiota under long-term fertilization. FEMS Microbiology Ecology, 2020, 96, .	1.3	12
141	Abundance of kinless hubs within soil microbial networks are associated with high functional potential in agricultural ecosystems. Environment International, 2020, 142, 105869.	4.8	158
142	Economic Valuation of Earthâ€™s Critical Zone: A Pilot Study of the Zhangxi Catchment, China. Sustainability, 2020, 12, 1699.	1.6	3
143	Rice Grain Cadmium Concentrations in the Global Supply-Chain. Exposure and Health, 2020, 12, 869-876.	2.8	63
144	The Lancet Infectious Diseases Commission on antimicrobial resistance: 6 years later. Lancet Infectious Diseases, The, 2020, 20, e51-e60.	4.6	161

#	Article	IF	Citations
145	Characterization of antibiotic resistance genes and bacterial community in selected municipal and industrial sewage treatment plants beside Poyang Lake. Water Research, 2020, 174, 115603.	5.3	45
146	Arsenic transformation mediated by gut microbiota affects the fecundity of Caenorhabditis elegans. Environmental Pollution, 2020, 260, 113991.	3.7	8
147	The characterization of arsenic biotransformation microbes in paddy soil after straw biochar and straw amendments. Journal of Hazardous Materials, 2020, 391, 122200.	6.5	29
148	The Great Oxidation Event expanded the genetic repertoire of arsenic metabolism and cycling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10414-10421.	3.3	96
149	Effects of Earthworms on the Microbiomes and Antibiotic Resistomes of Detritus Fauna and Phyllospheres. Environmental Science & Technology, 2020, 54, 6000-6008.	4.6	41
150	Microbiome and antibiotic resistome in household dust from Beijing, China. Environment International, 2020, 139, 105702.	4.8	32
151	Prevalence of Antibiotic Resistome in Ready-to-Eat Salad. Frontiers in Public Health, 2020, 8, 92.	1.3	23
152	Antimicrobial Resistance is a Health Risk in Chinese Citiesâ€"Now it Has Been Mapped. Urban Health and Wellbeing, 2020, , 45-48.	0.3	1
153	Soil amendment with sewage sludge affects soil prokaryotic community composition, mobilome and resistome. FEMS Microbiology Ecology, 2019, 95, .	1.3	12
154	High-throughput characterization of antibiotic resistome in soil amended with commercial organic fertilizers. Journal of Soils and Sediments, 2019, 19, 641-651.	1.5	11
155	Straw biochar increases the abundance of inorganic phosphate solubilizing bacterial community for better rape (Brassica napus) growth and phosphate uptake. Science of the Total Environment, 2019, 647, 1113-1120.	3.9	76
156	Stable Isotope-Labeled Single-Cell Raman Spectroscopy Revealing Function and Activity of Environmental Microbes. Methods in Molecular Biology, 2019, 2046, 95-107.	0.4	5
157	Arsenic and Sulfamethoxazole Increase the Incidence of Antibiotic Resistance Genes in the Gut of Earthworm. Environmental Science & Technology, 2019, 53, 10445-10453.	4.6	59
158	Collembolans accelerate the dispersal of antibiotic resistance genes in the soil ecosystem. Soil Ecology Letters, 2019, 1, 14-21.	2.4	7
159	Loss of soil microbial diversity exacerbates spread of antibiotic resistance. Soil Ecology Letters, 2019, 1, 3-13.	2.4	66
160	The fungicide azoxystrobin perturbs the gut microbiota community and enriches antibiotic resistance genes in Enchytraeus crypticus. Environment International, 2019, 131, 104965.	4.8	64
161	Metabolic Inactivity and Re-awakening of a Nitrate Reduction Dependent Iron(II)-Oxidizing Bacterium Bacillus ferrooxidans. Frontiers in Microbiology, 2019, 10, 1494.	1.5	4
162	Soil biota, antimicrobial resistance and planetary health. Environment International, 2019, 131, 105059.	4.8	163

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163	Spatial ecology of a wastewater network defines the antibiotic resistance genes in downstream receiving waters. Water Research, 2019, 162, 347-357.	5.3	108
164	Fate of Labile Organic Carbon in Paddy Soil Is Regulated by Microbial Ferric Iron Reduction. Environmental Science & Technology, 2019, 53, 8533-8542.	4.6	42
165	Fungus-initiated catalytic reactions at hyphal-mineral interfaces drive iron redox cycling and biomineralization. Geochimica Et Cosmochimica Acta, 2019, 260, 192-203.	1.6	40
166	Adsorbed Sulfamethoxazole Exacerbates the Effects of Polystyrene (âˆ¼2 Î¼m) on Gut Microbiota and the Antibiotic Resistome of a Soil Collembolan. Environmental Science & Technology, 2019, 53, 12823-12834.	4.6	63
167	Suppressed N fixation and diazotrophs after four decades of fertilization. Microbiome, 2019, 7, 143.	4.9	205
168	Reduction of Organoarsenical Herbicides and Antimicrobial Growth Promoters by the Legume Symbiont Sinorhizobium meliloti. Environmental Science & Technology, 2019, 53, 13648-13656.	4.6	17
169	Perspective on Surface-Enhanced Raman Spectroscopic Investigation of Microbial World. Analytical Chemistry, 2019, 91, 15345-15354.	3.2	45
170	The fungicide azoxystrobin promotes freshwater cyanobacterial dominance through altering competition. Microbiome, 2019, 7, 128.	4.9	52
171	Towards Urbanome the genome of the city to enhance the form and function of future cities. Nature Communications, 2019, 10, 4014.	5.8	6
172	Transcriptome Reveals the Rice Response to Elevated Free Air CO₂ Concentration and TiO₂ Nanoparticles. Environmental Science & Technology, 2019, 53, 11714-11724.	4.6	38
173	Changes in archaeal ether lipid composition in response to agriculture alternation in ancient and modern paddy soils. Organic Geochemistry, 2019, 138, 103912.	0.9	1
174	Understanding drivers of antibiotic resistance genes in High Arctic soil ecosystems. Environment International, 2019, 125, 497-504.	4.8	137
175	Potential use of the Pteris vittata arsenic hyperaccumulation-regulation network for phytoremediation. Journal of Hazardous Materials, 2019, 368, 386-396.	6.5	74
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