List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Antibiotic resistance genes in water environment. Applied Microbiology and Biotechnology, 2009, 82, 397-414.	3.6	801
2	Metagenomic insights into chlorination effects on microbial antibiotic resistance in drinking water. Water Research, 2013, 47, 111-120.	11.3	423
3	Bacterial Community Shift Drives Antibiotic Resistance Promotion during Drinking Water Chlorination. Environmental Science & Technology, 2015, 49, 12271-12279.	10.0	384
4	Plasmid Metagenome Reveals High Levels of Antibiotic Resistance Genes and Mobile Genetic Elements in Activated Sludge. PLoS ONE, 2011, 6, e26041.	2.5	272
5	Fate of antibiotic resistance genes and their associations with bacterial community in livestock breeding wastewater and its receiving river water. Water Research, 2017, 124, 259-268.	11.3	255
6	Occurrence, Abundance, and Diversity of Tetracycline Resistance Genes in 15 Sewage Treatment Plants across China and Other Global Locations. Environmental Science & Technology, 2011, 45, 2598-2604.	10.0	246
7	Tetracycline Resistance Genes and Tetracycline Resistant Lactose-Fermenting <i>Enterobacteriaceae</i> in Activated Sludge of Sewage Treatment Plants. Environmental Science & Technology, 2009, 43, 3455-3460.	10.0	196
8	Metagenomic insights into Cr(VI) effect on microbial communities and functional genes of an expanded granular sludge bed reactor treating high-nitrate wastewater. Water Research, 2015, 76, 43-52.	11.3	192
9	Characterization of tetracycline resistant bacterial community in saline activated sludge using batch stress incubation with high-throughput sequencing analysis. Water Research, 2013, 47, 4207-4216.	11.3	175
10	Roles and correlations of functional bacteria and genes in the start-up of simultaneous anammox and denitrification system for enhanced nitrogen removal. Science of the Total Environment, 2019, 655, 1355-1363.	8.0	124
11	Metagenomic analysis of bacterial community composition and antibiotic resistance genes in a wastewater treatment plant and its receiving surface water. Ecotoxicology and Environmental Safety, 2016, 132, 260-269.	6.0	123
12	Microbial community structure and function in aerobic granular sludge. Applied Microbiology and Biotechnology, 2018, 102, 3967-3979.	3.6	121
13	Characterization and quantification of class 1 integrons and associated gene cassettes in sewage treatment plants. Applied Microbiology and Biotechnology, 2009, 82, 1169-1177.	3.6	120
14	Abundance and Diversity of Bacterial Nitrifiers and Denitrifiers and Their Functional Genes in Tannery Wastewater Treatment Plants Revealed by High-Throughput Sequencing. PLoS ONE, 2014, 9, e113603.	2.5	120
15	Metagenomic analysis reveals significant changes of microbial compositions and protective functions during drinking water treatment. Scientific Reports, 2013, 3, 3550.	3.3	116
16	Metagenomic insights into salinity effect on diversity and abundance of denitrifying bacteria and genes in an expanded granular sludge bed reactor treating high-nitrate wastewater. Chemical Engineering Journal, 2015, 277, 116-123.	12.7	110
17	Correlations of Gut Microbial Community Shift with Hepatic Damage and Growth Inhibition of <i>Carassius auratus</i> Induced by Pentachlorophenol Exposure. Environmental Science & Camp; Technology, 2015, 49, 11894-11902.	10.0	107
18	Different impacts of manure and chemical fertilizers on bacterial community structure and antibiotic resistance genes in arable soils. Chemosphere, 2017, 188, 455-464.	8.2	105

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19	Metagenomic profiles and antibiotic resistance genes in gut microbiota of mice exposed to arsenic and iron. Chemosphere, 2014, 112, 1-8.	8.2	101
20	Metagenomic Profiling of Antibiotic Resistance Genes and Mobile Genetic Elements in a Tannery Wastewater Treatment Plant. PLoS ONE, 2013, 8, e76079.	2.5	93
21	Metagenomic insights into ultraviolet disinfection effects on antibiotic resistome in biologically treated wastewater. Water Research, 2016, 101, 309-317.	11.3	91
22	Metagenomic analysis revealed the prevalence of antibiotic resistance genes in the gut and living environment of freshwater shrimp. Journal of Hazardous Materials, 2018, 350, 10-18.	12.4	90
23	Metagenomic profiling of ARGs in airborne particulate matters during a severe smog event. Science of the Total Environment, 2018, 615, 1332-1340.	8.0	84
24	Class 1 integronase gene and tetracycline resistance genes tetA and tetC in different water environments of Jiangsu Province, China. Ecotoxicology, 2009, 18, 652-660.	2.4	83
25	Correlation between microbial community structure and biofouling as determined by analysis of microbial community dynamics. Bioresource Technology, 2015, 197, 99-105.	9.6	80
26	A comprehensive insight into bacterial virulence in drinking water using 454 pyrosequencing and Illumina high-throughput sequencing. Ecotoxicology and Environmental Safety, 2014, 109, 15-21.	6.0	74
27	Metagenomic assembly provides a deep insight into the antibiotic resistome alteration induced by drinking water chlorination and its correlations with bacterial host changes. Journal of Hazardous Materials, 2019, 379, 120841.	12.4	73
28	Bacterial Pathogens and Community Composition in Advanced Sewage Treatment Systems Revealed by Metagenomics Analysis Based on High-Throughput Sequencing. PLoS ONE, 2015, 10, e0125549.	2.5	71
29	Towards the biofilm characterization and regulation in biological wastewater treatment. Applied Microbiology and Biotechnology, 2019, 103, 1115-1129.	3.6	70
30	Metagenomic and metatranscriptomic insights into the complex nitrogen metabolic pathways in a single-stage bioreactor coupling partial denitrification with anammox. Chemical Engineering Journal, 2020, 398, 125653.	12.7	66
31	Inhibition of Mitochondrial Fatty Acid Oxidation Contributes to Development of Nonalcoholic Fatty Liver Disease Induced by Environmental Cadmium Exposure. Environmental Science & Technology, 2019, 53, 13992-14000.	10.0	61
32	A Comprehensive Insight into Tetracycline Resistant Bacteria and Antibiotic Resistance Genes in Activated Sludge Using Next-Generation Sequencing. International Journal of Molecular Sciences, 2014, 15, 10083-10100.	4.1	60
33	Structural and functional alterations of gut microbiome in mice induced by chronic cadmium exposure. Chemosphere, 2020, 246, 125747.	8.2	58
34	High Levels of Antibiotic Resistance Genes and Their Correlations with Bacterial Community and Mobile Genetic Elements in Pharmaceutical Wastewater Treatment Bioreactors. PLoS ONE, 2016, 11, e0156854.	2.5	57
35	Comprehensive insights into microcystin-LR effects on hepatic lipid metabolism using cross-omics technologies. Journal of Hazardous Materials, 2016, 315, 126-134.	12.4	57
36	Comparison of Cytotoxicity and Inhibition of Membrane ABC Transporters Induced by MWCNTs with Different Length and Functional Groups. Environmental Science & Technology, 2016, 50, 3985-3994.	10.0	56

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37	Cytotoxicity and Efflux Pump Inhibition Induced by Molybdenum Disulfide and Boron Nitride Nanomaterials with Sheetlike Structure. Environmental Science & Technology, 2017, 51, 10834-10842.	10.0	53
38	Aromatic compounds lead to increased abundance of antibiotic resistance genes in wastewater treatment bioreactors. Water Research, 2019, 166, 115073.	11.3	53
39	A Comparative Analysis of Environmental Quality Assessment Methods for Heavy Metal-Contaminated Soils. Pedosphere, 2008, 18, 344-352.	4.0	51
40	Comparison of the impacts of zinc ions and zinc nanoparticles on nitrifying microbial community. Journal of Hazardous Materials, 2018, 343, 166-175.	12.4	50
41	Influences of graphene on microbial community and antibiotic resistance genes in mouse gut as determined by high-throughput sequencing. Chemosphere, 2016, 144, 1306-1312.	8.2	49
42	Impact of salinity on antibiotic resistance genes in wastewater treatment bioreactors. Chemical Engineering Journal, 2018, 338, 557-563.	12.7	49
43	Free-living bacteria and potential bacterial pathogens in sewage treatment plants. Applied Microbiology and Biotechnology, 2018, 102, 2455-2464.	3.6	47
44	Endoplasmic reticulum stress in murine liver and kidney exposed to microcystin-LR. Toxicon, 2010, 56, 1334-1341.	1.6	46
45	Metagenomic insights into tetracycline effects on microbial community and antibiotic resistance of mouse gut. Ecotoxicology, 2015, 24, 2125-2132.	2.4	46
46	Microcystin-LR Promotes Melanoma Cell Invasion and Enhances Matrix Metalloproteinase-2/-9 Expression Mediated by NF-IºB Activation. Environmental Science & Technology, 2012, 46, 11319-11326.	10.0	45
47	Semi-volatile organic compounds and trace elements in the Yangtze River source of drinking water. Ecotoxicology, 2009, 18, 707-714.	2.4	42
48	Machine learning-aided analyses of thousands of draft genomes reveal specific features of activated sludge processes. Microbiome, 2020, 8, 16.	11.1	42
49	Combined effects of graphene oxide and zinc oxide nanoparticle on human A549 cells: bioavailability, toxicity and mechanisms. Environmental Science: Nano, 2019, 6, 635-645.	4.3	41
50	Occurrence, abundance and elimination of class 1 integrons in one municipal sewage treatment plant. Ecotoxicology, 2011, 20, 968-973.	2.4	39
51	Low levels of graphene and graphene oxide inhibit cellular xenobiotic defense system mediated by efflux transporters. Nanotoxicology, 2016, 10, 597-606.	3.0	39
52	Diverse aromatic-degrading bacteria present in a highly enriched autotrophic nitrifying sludge. Science of the Total Environment, 2019, 666, 245-251.	8.0	39
53	Toxicity of purified terephthalic acid manufacturing wastewater on reproductive system of male mice (Mus musculus). Journal of Hazardous Materials, 2010, 176, 300-305.	12.4	35
54	Environmental fate of tetracycline resistance genes originating from swine feedlots in river water. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 624-631.	1.5	33

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55	A comprehensive insight into the functional bacteria and genes and their roles in simultaneous denitrification and anammox system at varying substrate loadings. Applied Microbiology and Biotechnology, 2019, 103, 1523-1533.	3.6	32
56	Two birds with one stone: Simultaneous improvement of biofilm formation and nitrogen transformation in MBBR treating high ammonia nitrogen wastewater via exogenous N-acyl homoserine lactones. Chemical Engineering Journal, 2020, 386, 124001.	12.7	32
57	Evaluation of five microbial and four mitochondrial DNA markers for tracking human and pig fecal pollution in freshwater. Scientific Reports, 2016, 6, 35311.	3.3	30
58	Transformation of anaerobic granules into aerobic granules and the succession of bacterial community. Applied Microbiology and Biotechnology, 2017, 101, 7703-7713.	3.6	28
59	Diversity, abundance, and possible sources of fecal bacteria in the Yangtze River. Applied Microbiology and Biotechnology, 2017, 101, 2143-2152.	3.6	28
60	Nonylphenol ethoxylates biodegradation increases estrogenicity of textile wastewater in biological treatment systems. Water Research, 2020, 184, 116137.	11.3	28
61	Evaluating the Transcriptomic and Metabolic Profile of Mice Exposed to Source Drinking Water. Environmental Science & Technology, 2012, 46, 78-83.	10.0	27
62	Single-Cell Sequencing Reveals Heterogeneity Effects of Bisphenol A on Zebrafish Embryonic Development. Environmental Science & Technology, 2020, 54, 9537-9546.	10.0	27
63	Influences of hydraulic loading rate on SVOC removal and microbial community structure in drinking water treatment biofilters. Journal of Hazardous Materials, 2010, 178, 652-657.	12.4	25
64	Comprehensive insights into the key components of bacterial assemblages in pharmaceutical wastewater treatment plants. Science of the Total Environment, 2019, 651, 2148-2157.	8.0	25
65	Persistence of mitochondrial DNA markers as fecal indicators in water environments. Science of the Total Environment, 2015, 533, 383-390.	8.0	23
66	Effects of chronic cadmium exposure at food limitation-relevant levels on energy metabolism in mice. Journal of Hazardous Materials, 2020, 388, 121791.	12.4	22
67	Enhanced degradation of 4-nitrophenol by microwave assisted Fe/EDTA process. Journal of Hazardous Materials, 2010, 176, 213-219.	12.4	20
68	Promotion of Melanoma Cell Invasion and Tumor Metastasis by Microcystin-LR via Phosphatidylinositol 3-Kinase/AKT Pathway. Environmental Science & Technology, 2013, 47, 130712144451004.	10.0	19
69	Comparative analysis of toxicity reduction of wastewater in twelve industrial park wastewater treatment plants based on battery of toxicity assays. Scientific Reports, 2019, 9, 3751.	3.3	19
70	Iron Minerals Mediated Interfacial Hydrolysis of Chloramphenicol Antibiotic under Limited Moisture Conditions. Environmental Science & Technology, 2021, 55, 9569-9578.	10.0	19
71	Mechanisms of microbial community structure and biofouling shifts under multivalent cations stress in membrane bioreactors. Journal of Hazardous Materials, 2017, 327, 89-96.	12.4	18
72	Comprehensive analyses of functional bacteria and genes in a denitrifying EGSB reactor under Cd(II) stress. Applied Microbiology and Biotechnology, 2018, 102, 8551-8560.	3.6	18

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73	Abiotic and biotic processes of diclofenac in enriched nitrifying sludge: Kinetics, transformation products and reactions. Science of the Total Environment, 2019, 683, 80-88.	8.0	18
74	Effects of microcystin-LR exposure on matrix metalloproteinase-2/-9 expression and cancer cell migration. Ecotoxicology and Environmental Safety, 2012, 77, 88-93.	6.0	17
75	Biological HRPs in wastewater. , 2020, , 41-78.		17
76	Gene expression profiles in liver of mouse after chronic exposure to drinking water. Journal of Applied Toxicology, 2009, 29, 569-577.	2.8	16
77	Genetic analysis of protoplast fusant Xhhh constructed for pharmaceutical wastewater treatment. Bioresource Technology, 2009, 100, 1910-1914.	9.6	16
78	Stimulation effect of microcystin-LR on matrix metalloproteinase-2/-9 expression in mouse liver. Toxicology Letters, 2010, 199, 377-382.	0.8	16
79	Heavy Metal Tolerance Genes Associated With Contaminated Sediments From an E-Waste Recycling River in Southern China. Frontiers in Microbiology, 2021, 12, 665090.	3.5	16
80	Genomic expression profiles in liver of mice exposed to purified terephthalic acid manufacturing wastewater. Journal of Hazardous Materials, 2010, 181, 1121-1126.	12.4	15
81	Toxicity of the Yangtze River source of drinking water on reproductive system of male mice (Mus) Tj ETQq1 10.	784314 rgi 2.4	BT /Overlock
82	Metagenomic analysis of cadmium and copper resistance genes in activated sludge of a tannery wastewater treatment plant. Journal of Environmental Biology, 2013, 34, 375-80.	0.5	14
83	Transcriptional toxicity of the Yangtze River source water on mouse (Mus musculus) detected by cDNA microarray. Ecotoxicology, 2009, 18, 715-721.	2.4	12
84	Chemical and bioanalytical assessments on drinking water treatments by quaternized magnetic microspheres. Journal of Hazardous Materials, 2015, 285, 53-60.	12.4	10
85	Varied interspecies interactions between anammox and denitrifying bacteria enhanced nitrogen removal in a single-stage simultaneous anammox and denitrification system. Science of the Total Environment, 2022, 813, 152519.	8.0	10
86	Revisiting the Microscopic Processes of Biofilm Formation on Organic Carriers: A Study under Variational Shear Stresses. ACS Applied Bio Materials, 2021, 4, 5529-5541.	4.6	9
87	Effects of the Yangtze River source of drinking water on metabolites of Mus musculus. Ecotoxicology, 2009, 18, 722-728.	2.4	8
88	Assessing the toxicity of ingested Taihu Lake water on mice via hepatic histopathology and matrix metalloproteinase expression. Ecotoxicology, 2011, 20, 1047-1056.	2.4	6
89	Cyanobacteria-blooming water samples from Lake Taihu induce endoplasmic reticulum stress in liver and kidney of mice. Ecotoxicology, 2012, 21, 1495-1503.	2.4	6
90	Recovery of gut microbiota in mice exposed to tetracycline hydrochloride and their correlation with host metabolism. Ecotoxicology, 2021, 30, 1620-1631.	2.4	6

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91	Genome-wide screening of indicator genes for assessing the potential carcinogenic risk of Nanjing city drinking water. Ecotoxicology, 2011, 20, 1033-1040.	2.4	5
92	Chronic exposure to contaminated drinking water stimulates PPAR expression in mice livers. Chemosphere, 2012, 88, 407-412.	8.2	5
93	Bacterial enrichment in highly-selective acetate-fed bioreactors and its application in rapid biofilm formation. Water Research, 2020, 170, 115359.	11.3	5
94	Integrated metagenomic and metatranscriptomic analyses of ultraviolet disinfection effects on antibiotic resistance genes and bacterial communities during wastewater treatment. Ecotoxicology, 2020, 30, 1610-1619.	2.4	5
95	Preliminary evaluation of gene expression profiles in liver of mice exposed to Taihu Lake drinking water for 90Âdays. Ecotoxicology, 2011, 20, 1071-1077.	2.4	4
96	Ultraviolet irradiation sensitizes Pseudomonas aeruginosa PAO1 to multiple antibiotics. Environmental Science: Water Research and Technology, 2018, 4, 2051-2057.	2.4	4
97	Effects of carboxylated multi-walled carbon nanotubes on bioconcentration of pentachlorophenol and hepatic damages in goldfish. Ecotoxicology, 2021, 30, 1389-1398.	2.4	4
98	Metagenomic insights into the variation of bacterial communities and potential pathogenic bacteria in drinking water treatment and distribution systems. , 2022, 1, 20220015.		4
99	Effects of Yangtze River source water on genomic polymorphisms of male mice detected by RAPD. Human and Experimental Toxicology, 2010, 29, 113-120.	2.2	3
100	NMR-based metabolic profiling for serum of mouse exposed to source water. Ecotoxicology, 2011, 20, 1065-1070.	2.4	3
101	A cross-omics toxicological evaluation of drinking water treated with different processes. Journal of Hazardous Materials, 2014, 271, 57-64.	12.4	3
102	Integration of gene chip and topological network techniques to screen a candidate biomarker gene (CBG) for predication of the source water carcinogenesis risks on mouse Mus musculus. Ecotoxicology, 2011, 20, 1026-1032.	2.4	2
103	Seasonal microbial community shift in a saline sewage treatment plant. Frontiers of Environmental Science and Engineering in China, 2011, 5, 40-47.	0.8	2
104	Hepatic gene expression analysis of mice exposed to raw water from Meiliang Bay, Lake Taihu, China. Journal of Applied Toxicology, 2013, 33, 1416-1423.	2.8	2
105	Technologies for bHRPs and risk control. , 2020, , 237-258.		2
106	Environmental exposure to low-dose perfluorohexanesulfonate promotes obesity and non-alcoholic fatty liver disease in mice fed a high-fat diet. Environmental Science and Pollution Research, 2022, 29, 49279-49290.	5.3	2
107	Abundance and Diversity of Bacterial Nitrifiers and Denitrifiers and Their Functional Genes in Tannery Wastewater Treatment Plants Revealed by High-Throughput Sequencing. , 2015, , 101-123.		1