

Bing Li

List of Publications by Year in Descending Order

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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.

97 papers	6,661 citations	40 h-index	81 g-index
100 ext. papers	8,671 ext. citations	10.1 avg, IF	6.4 L-index

#	Paper	IF	Citations
97	Estuarine salinity gradient governs sedimentary bacterial community but not antibiotic resistance gene profile. <i>Science of the Total Environment</i> , 2022 , 806, 151390	10.2	1
96	Distribution of antibiotic resistance genes and their association with bacteria and viruses in decentralized sewage treatment facilities. <i>Frontiers of Environmental Science and Engineering</i> , 2022 , 16, 35	5.8	5
95	Nationwide biogeography and health implications of bacterial communities in household drinking water.. <i>Water Research</i> , 2022 , 215, 118238	12.5	0
94	Tailoring the coordination environment of cobalt in a single-atom catalyst through phosphorus doping for enhanced activation of peroxymonosulfate and thus efficient degradation of sulfadiazine. <i>Applied Catalysis B: Environmental</i> , 2022 , 312, 121408	21.8	2
93	How heavy metal stress promotes dissemination of antibiotic resistance genes in the activated sludge process. <i>Journal of Hazardous Materials</i> , 2022 , 129279	12.8	0
92	Specific Denitrifying and Dissimilatory Nitrate Reduction to Ammonium Bacteria Assisted the Recovery of Anammox Community From Nitrite Inhibition.. <i>Frontiers in Microbiology</i> , 2021 , 12, 781156	5.7	0
91	Occurrence and Distribution of Antibiotic Resistance Genes in Municipal Wastewater Treatment Plants with D-Type Filters. <i>Water (Switzerland)</i> , 2021 , 13, 3398	3	1
90	Fungal hypha-derived freestanding porous carbon pad as a high-capacity electrode for water desalination in membrane capacitive deionization. <i>Chemical Engineering Journal</i> , 2021 , 433, 133781	14.7	3
89	Genome-centric metagenomics provides new insights into the microbial community and metabolic potential of landfill leachate microbiota. <i>Science of the Total Environment</i> , 2021 , 816, 151635	10.2	1
88	New insights into thiamphenicol biodegradation mechanism by <i>Sphingomonas</i> sp. CL5.1 deciphered through metabolic and proteomic analysis.. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128101	12.8	1
87	Comparison of chemical and biological degradation of sulfonamides: Solving the mystery of sulfonamide transformation. <i>Journal of Hazardous Materials</i> , 2021 , 127661	12.8	6
86	Hydrothermal treatment and biorefinery of sewage sludge for waste reduction and production of fungal hyphae fibers and volatile fatty acids. <i>Journal of Cleaner Production</i> , 2021 , 289, 125715	10.3	1
85	Metagenomic analysis reveals the fate of antibiotic resistance genes in two-stage and one-stage anaerobic digestion of waste activated sludge. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124595	12.8	10
84	Microbial community composition and metabolic functions in landfill leachate from different landfills of China. <i>Science of the Total Environment</i> , 2021 , 767, 144861	10.2	23
83	The occurrence of antibiotic resistance genes in the microbiota of yak, beef and dairy cattle characterized by a metagenomic approach. <i>Journal of Antibiotics</i> , 2021 , 74, 508-518	3.7	2
82	Selective enrichment of comammox from activated sludge using antibiotics. <i>Water Research</i> , 2021 , 197, 117087	12.5	10
81	Iron-enhanced primary sedimentation and acidogenic sludge fermentation to achieve self-sufficient organic carbon supply for enhanced nutrient removal in wastewater treatment?. <i>Resources, Conservation and Recycling</i> , 2021 , 164, 105220	11.9	0

80	Reponses of microbial community and antibiotic resistance genes to the selection pressures of ampicillin, cephalixin and chloramphenicol in activated sludge reactors. <i>Science of the Total Environment</i> , 2021 , 755, 142632	10.2	18
79	Thermal Hydrolysis of Wastewater Sludge Followed by Fungal Fermentation for Organic Recovery and Hyphae Fiber Production. <i>Engineering</i> , 2021 , 7, 203-211	9.7	7
78	Simultaneous high-efficiency removal of sulfamethoxazole and zinc (II) from livestock and poultry breeding wastewater by a novel dual-functional bacterium, <i>Bacillus</i> sp. SDB4. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
77	Using general computational chemistry strategy to unravel the reactivity of emerging pollutants: An example of sulfonamide chlorination. <i>Water Research</i> , 2021 , 202, 117391	12.5	3
76	Metagenomics analysis revealing the occurrence of antibiotic resistome in salt lakes. <i>Science of the Total Environment</i> , 2021 , 790, 148262	10.2	3
75	Metagenomic and network analyses decipher profiles and co-occurrence patterns of antibiotic resistome and bacterial taxa in the reclaimed wastewater distribution system. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123170	12.8	23
74	Transformation of Fe-P Complexes in Bioreactors and P Recovery from Sludge: Investigation by XANES Spectroscopy. <i>Environmental Science & Technology</i> , 2020 , 54, 4641-4650	10.3	12
73	Two-stage anaerobic digestion of food waste coupled with in situ ammonia recovery using gas membrane absorption: Performance and microbial community. <i>Bioresource Technology</i> , 2020 , 297, 122458	11.4	13
72	Deciphering the mobility and bacterial hosts of antibiotic resistance genes under antibiotic selection pressure by metagenomic assembly and binning approaches. <i>Water Research</i> , 2020 , 186, 116318	12.5	44
71	Chloramphenicol biodegradation by enriched bacterial consortia and isolated strain <i>Sphingomonas</i> sp. CL5.1: The reconstruction of a novel biodegradation pathway. <i>Water Research</i> , 2020 , 187, 116397	12.5	11
70	Selective Ammonium Removal from Synthetic Wastewater by Flow-Electrode Capacitive Deionization Using a Novel KTiO-Activated Carbon Mixture Electrode. <i>Environmental Science & Technology</i> , 2020 , 54, 12723-12731	10.3	7
69	High-efficiency biodegradation of chloramphenicol by enriched bacterial consortia: Kinetics study and bacterial community characterization. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121344	12.8	20
68	Taxonomic relatedness and environmental pressure synergistically drive the primary succession of biofilm microbial communities in reclaimed wastewater distribution systems. <i>Environment International</i> , 2019 , 124, 25-37	12.9	18
67	Uranium sequestration in sediment at an iron-rich contaminated site at Oak Ridge, Tennessee via. bioreduction followed by reoxidation. <i>Journal of Environmental Sciences</i> , 2019 , 85, 156-167	6.4	3
66	Performance and bacterial community of moving bed biofilm reactors with various biocarriers treating primary wastewater effluent with a low organic strength and low C/N ratio. <i>Bioresource Technology</i> , 2019 , 287, 121424	11	32
65	Acidogenic phosphorus recovery from the wastewater sludge of the membrane bioreactor systems with different iron-dosing modes. <i>Bioresource Technology</i> , 2019 , 280, 360-370	11	20
64	An integrated meta-omics approach reveals substrates involved in synergistic interactions in a bisphenol A (BPA)-degrading microbial community. <i>Microbiome</i> , 2019 , 7, 16	16.6	49
63	Genomic characterization, kinetics, and pathways of sulfamethazine biodegradation by <i>Paenarthrobacter</i> sp. A01. <i>Environment International</i> , 2019 , 131, 104961	12.9	33

62	Passage and community changes of filterable bacteria during microfiltration of a surface water supply. <i>Environment International</i> , 2019 , 131, 104998	12.9	8
61	Enhanced biogas production and in situ ammonia recovery from food waste using a gas-membrane absorption anaerobic reactor. <i>Bioresource Technology</i> , 2019 , 292, 121864	11	13
60	Sewage from Airplanes Exhibits High Abundance and Diversity of Antibiotic Resistance Genes. <i>Environmental Science & Technology</i> , 2019 , 53, 13898-13905	10.3	14
59	Deciphering of microbial community and antibiotic resistance genes in activated sludge reactors under high selective pressure of different antibiotics. <i>Water Research</i> , 2019 , 151, 388-402	12.5	120
58	Removal of antibiotic resistance genes in four full-scale membrane bioreactors. <i>Science of the Total Environment</i> , 2019 , 653, 112-119	10.2	24
57	Conjugative potential of antibiotic resistance plasmids to activated sludge bacteria from wastewater treatment plants. <i>International Biodeterioration and Biodegradation</i> , 2019 , 138, 33-40	4.8	14
56	New insights into antibiotic resistome in drinking water and management perspectives: A metagenomic based study of small-sized microbes. <i>Water Research</i> , 2019 , 152, 191-201	12.5	60
55	Bacteria That Make a Meal of Sulfonamide Antibiotics: Blind Spots and Emerging Opportunities. <i>Environmental Science & Technology</i> , 2018 , 52, 3854-3868	10.3	63
54	Preparation of Fe ₂ O ₃ Catalysts and their deNO _x Performance: Effects of Precipitation Conditions. <i>Chemical Engineering and Technology</i> , 2018 , 41, 1019-1026	2	2
53	Bacterial Community Shift and Coexisting/Coexcluding Patterns Revealed by Network Analysis in a Uranium-Contaminated Site after Bioreduction Followed by Reoxidation. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	26
52	Free-living bacteria and potential bacterial pathogens in sewage treatment plants. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 2455-2464	5.7	31
51	Antibiotic resistome in landfill leachate from different cities of China deciphered by metagenomic analysis. <i>Water Research</i> , 2018 , 134, 126-139	12.5	83
50	New insights into the chlorination of sulfonamide: Smiles-type rearrangement, desulfation, and product toxicity. <i>Chemical Engineering Journal</i> , 2018 , 331, 785-793	14.7	23
49	Tracking antibiotic resistome during wastewater treatment using high throughput quantitative PCR. <i>Environment International</i> , 2018 , 117, 146-153	12.9	93
48	An integrated membrane bioreactor system with iron-dosing and side-stream co-fermentation for enhanced nutrient removal and recovery: System performance and microbial community analysis. <i>Bioresource Technology</i> , 2018 , 260, 248-255	11	15
47	Temporal dynamics of activated sludge bacterial communities in two diversity variant full-scale sewage treatment plants. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 9379-9388	5.7	15
46	High-Resolution Temporal and Spatial Patterns of Virome in Wastewater Treatment Systems. <i>Environmental Science & Technology</i> , 2018 , 52, 10337-10346	10.3	15
45	A novel microfluidic system enables visualization and analysis of antibiotic resistance gene transfer to activated sludge bacteria in biofilm. <i>Science of the Total Environment</i> , 2018 , 642, 582-590	10.2	34

44	Antibiotic resistome in a large-scale healthy human gut microbiota deciphered by metagenomic and network analyses. <i>Environmental Microbiology</i> , 2018 , 20, 355-368	5.2	78
43	The bacterial community significantly promotes cast iron corrosion in reclaimed wastewater distribution systems. <i>Microbiome</i> , 2018 , 6, 222	16.6	18
42	Occurrence and Fate of Ultramicrobacteria in a Full-Scale Drinking Water Treatment Plant. <i>Frontiers in Microbiology</i> , 2018 , 9, 2922	5.7	5
41	Real-Time Study of Rapid Spread of Antibiotic Resistance Plasmid in Biofilm Using Microfluidics. <i>Environmental Science & Technology</i> , 2018 , 52, 11132-11141	10.3	32
40	Engineering surface functional groups on mesoporous silica: towards a humidity-resistant hydrophobic adsorbent. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13769-13777	13	31
39	Impact of dairy manure pre-application treatment on manure composition, soil dynamics of antibiotic resistance genes, and abundance of antibiotic-resistance genes on vegetables at harvest. <i>Science of the Total Environment</i> , 2017 , 581-582, 32-39	10.2	108
38	Continental-scale pollution of estuaries with antibiotic resistance genes. <i>Nature Microbiology</i> , 2017 , 2, 16270	26.6	530
37	Antibiotic Resistance Genes and Correlations with Microbial Community and Metal Resistance Genes in Full-Scale Biogas Reactors As Revealed by Metagenomic Analysis. <i>Environmental Science & Technology</i> , 2017 , 51, 4069-4080	10.3	104
36	Impact of pre-application treatment on municipal sludge composition, soil dynamics of antibiotic resistance genes, and abundance of antibiotic-resistance genes on vegetables at harvest. <i>Science of the Total Environment</i> , 2017 , 587-588, 214-222	10.2	39
35	Comammox in drinking water systems. <i>Water Research</i> , 2017 , 116, 332-341	12.5	106
34	Catalogue of antibiotic resistome and host-tracking in drinking water deciphered by a large scale survey. <i>Microbiome</i> , 2017 , 5, 154	16.6	141
33	Metagenomics of urban sewage identifies an extensively shared antibiotic resistome in China. <i>Microbiome</i> , 2017 , 5, 84	16.6	161
32	Impacts of Pb and SO Poisoning on CeO-WO/TiO-SiO SCR Catalyst. <i>Environmental Science & Technology</i> , 2017 , 51, 11943-11949	10.3	61
31	Fate of antibiotic resistance genes and their associations with bacterial community in livestock breeding wastewater and its receiving river water. <i>Water Research</i> , 2017 , 124, 259-268	12.5	167
30	Aerobic Degradation of Sulfadiazine by <i>Arthrobacter</i> spp.: Kinetics, Pathways, and Genomic Characterization. <i>Environmental Science & Technology</i> , 2016 , 50, 9566-75	10.3	97
29	Impacts of human activities on distribution of sulfate-reducing prokaryotes and antibiotic resistance genes in marine coastal sediments of Hong Kong. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	20
28	Metagenomic profiles of antibiotic resistance genes in paddy soils from South China. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	51
27	ARGs-OAP: online analysis pipeline for antibiotic resistance genes detection from metagenomic data using an integrated structured ARG-database. <i>Bioinformatics</i> , 2016 , 32, 2346-51	7.2	142

26	Antibiotic resistance genes and human bacterial pathogens: Co-occurrence, removal, and enrichment in municipal sewage sludge digesters. <i>Water Research</i> , 2016 , 91, 1-10	12.5	212
25	Metagenomic Assembly Reveals Hosts of Antibiotic Resistance Genes and the Shared Resistome in Pig, Chicken, and Human Feces. <i>Environmental Science & Technology</i> , 2016 , 50, 420-7	10.3	168
24	Biotransformation and adsorption of pharmaceutical and personal care products by activated sludge after correcting matrix effects. <i>Science of the Total Environment</i> , 2016 , 544, 980-6	10.2	29
23	Metagenomic and network analysis reveal wide distribution and co-occurrence of environmental antibiotic resistance genes. <i>ISME Journal</i> , 2015 , 9, 2490-502	11.9	597
22	Bacterial Community Shift Drives Antibiotic Resistance Promotion during Drinking Water Chlorination. <i>Environmental Science & Technology</i> , 2015 , 49, 12271-9	10.3	271
21	Profile and Fate of Bacterial Pathogens in Sewage Treatment Plants Revealed by High-Throughput Metagenomic Approach. <i>Environmental Science & Technology</i> , 2015 , 49, 10492-502	10.3	87
20	Performance of nanofiltration membrane in rejecting trace organic compounds: Experiment and model prediction. <i>Desalination</i> , 2015 , 370, 7-16	10.3	64
19	Metagenomics shows that low-energy anaerobic-aerobic treatment reactors reduce antibiotic resistance gene levels from domestic wastewater. <i>Environmental Science & Technology</i> , 2015 , 49, 2577-84	10.3	115
18	Abundant rifampin resistance genes and significant correlations of antibiotic resistance genes and plasmids in various environments revealed by metagenomic analysis. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 5195-204	5.7	62
17	Single cell growth rate and morphological dynamics revealing an "opportunistic" persistence. <i>Analyst, The</i> , 2014 , 139, 3305-13	5	21
16	Gradient microfluidics enables rapid bacterial growth inhibition testing. <i>Analytical Chemistry</i> , 2014 , 86, 3131-7	7.8	67
15	Fate of antibiotic resistance genes in sewage treatment plant revealed by metagenomic approach. <i>Water Research</i> , 2014 , 62, 97-106	12.5	327
14	Removal mechanisms and kinetics of trace tetracycline by two types of activated sludge treating freshwater sewage and saline sewage. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3024-33	5.1	47
13	Different removal behaviours of multiple trace antibiotics in municipal wastewater chlorination. <i>Water Research</i> , 2013 , 47, 2970-82	12.5	60
12	Characterization of tetracycline resistant bacterial community in saline activated sludge using batch stress incubation with high-throughput sequencing analysis. <i>Water Research</i> , 2013 , 47, 4207-16	12.5	106
11	Exploring variation of antibiotic resistance genes in activated sludge over a four-year period through a metagenomic approach. <i>Environmental Science & Technology</i> , 2013 , 47, 10197-205	10.3	223
10	Enhanced anoxic bioremediation of PAHs-contaminated sediment. <i>Bioresource Technology</i> , 2012 , 104, 51-8	11	56
9	pH significantly affects removal of trace antibiotics in chlorination of municipal wastewater. <i>Water Research</i> , 2012 , 46, 3703-13	12.5	48

8	Direct rapid analysis of multiple PPCPs in municipal wastewater using ultrahigh performance liquid chromatography-tandem mass spectrometry without SPE pre-concentration. <i>Analytica Chimica Acta</i> , 2012 , 738, 59-68	6.6	59
7	Occurrence, Transformation, and Fate of Antibiotics in Municipal Wastewater Treatment Plants. <i>Critical Reviews in Environmental Science and Technology</i> , 2011 , 41, 951-998	11.1	175
6	Mass flows and removal of antibiotics in two municipal wastewater treatment plants. <i>Chemosphere</i> , 2011 , 83, 1284-9	8.4	141
5	Biodegradation and adsorption of antibiotics in the activated sludge process. <i>Environmental Science & Technology</i> , 2010 , 44, 3468-73	10.3	599
4	Rapid analysis of 21 antibiotics of multiple classes in municipal wastewater using ultra performance liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2009 , 645, 64-72	6.6	167
3	Enhanced Photoelectric Conversion of Dye-sensitized Solar Cell by Addition of Inorganic Particles. <i>Chinese Journal of Chemical Physics</i> , 2007 , 20, 816-820	0.9	4
2	Acid-induced unfolding mechanism of recombinant human endostatin. <i>Biochemistry</i> , 2004 , 43, 2550-7	3.2	23
1	Recovery of high-qualified Genomes from a deep-inland Salt Lake Using BASALT		4