Ya Zhang

List of Publications by Year
in descending order

22 papers	2,753 citations	471371 17 h-index	642610 23 g-index
24 all docs	24 docs citations	24 times ranked	2438 citing authors

#	Article	IF	Citations
1	Climate warming enhances microbial network complexity and stability. Nature Climate Change, 2021, 11, 343-348.	8.1	672
2	Global diversity and biogeography of bacterial communities in wastewater treatment plants. Nature Microbiology, 2019, 4, 1183-1195.	5.9	491
3	A quantitative framework reveals ecological drivers of grassland microbial community assembly in response to warming. Nature Communications, 2020, 11, 4717.	5.8	417
4	Potential impacts of changing supply-water quality on drinking water distribution: A review. Water Research, 2017, 116, 135-148.	5.3	211
5	Small and mighty: adaptation of superphylum Patescibacteria to groundwater environment drives their genome simplicity. Microbiome, 2020, 8, 51.	4.9	205
6	Assessing the origin of bacteria in tap water and distribution system in an unchlorinated drinking water system by SourceTracker using microbial community fingerprints. Water Research, 2018, 138, 86-96.	5.3	110
7	Stepwise pH control to promote synergy of chemical and biological processes for augmenting short-chain fatty acid production from anaerobic sludge fermentation. Water Research, 2019, 155, 193-203.	5.3	92
8	Reduction of microbial diversity in grassland soil is driven by long-term climate warming. Nature Microbiology, 2022, 7, 1054-1062.	5.9	86
9	Seasonal dynamics of the microbial community in two full-scale wastewater treatment plants: Diversity, composition, phylogenetic group based assembly and co-occurrence pattern. Water Research, 2021, 200, 117295.	5.3	83
10	Hotspots for selected metal elements and microbes accumulation and the corresponding water quality deterioration potential in an unchlorinated drinking water distribution system. Water Research, 2017, 124, 435-445.	5.3	77
11	Impact of drinking water treatment and distribution on the microbiome continuum: an ecological disturbance's perspective. Environmental Microbiology, 2017, 19, 3163-3174.	1.8	56
12	Tracing fecal pollution sources in karst groundwater by Bacteroidales genetic biomarkers, bacterial indicators, and environmental variables. Science of the Total Environment, 2014, 490, 1082-1090.	3.9	55
13	The application of molecular tools to study the drinking water microbiome â€“ Current understanding and future needs. Critical Reviews in Environmental Science and Technology, 2019, 49, 1188-1235.	6.6	38
14	360-Degree Distribution of Biofilm Quantity and Community in an Operational Unchlorinated Drinking Water Distribution Pipe. Environmental Science & Technology, 2020, 54, 5619-5628.	4.6	33
15	Ugly ducklingsâ€”the dark side of plastic materials in contact with potable water. Npj Biofilms and Microbiomes, 2018, 4, 7.	2.9	28
16	Alkaline environments benefit microbial K-strategists to efficiently utilize protein substrate and promote valorization of protein waste into short-chain fatty acids. Chemical Engineering Journal, 2021, 404, 127147.	6.6	24
17	Phenotypic and Phylogenetic Identification of Coliform Bacteria Obtained Using 12 Coliform Methods Approved by the U.S. Environmental Protection Agency. Applied and Environmental Microbiology, 2015, 81, 6012-6023.	1.4	21
18	Benefits of Genomic Insights and CRISPR-Cas Signatures to Monitor Potential Pathogens across Drinking Water Production and Distribution Systems. Frontiers in Microbiology, 2017, 8, 2036.	1.5	15

#	Article	IF	Citations
19	Temporal Changes of Virus-Like Particle Abundance and Metagenomic Comparison of Viral Communities in Cropland and Prairie Soils. MSphere, 2021, 6, e0116020.	1.3	12
20	Assessing the contribution of biofilm to bacterial growth during stagnation in shower hoses. Water Science and Technology: Water Supply, 2020, 20, 2564-2576.	1.0	5
21	Temporal Dynamics of Bacterial Communities along a Gradient of Disturbance in a U.S. Southern Plains Agroecosystem. MBio, 2022, 13, e0382921.	1.8	4
22	Nontuberculous Mycobacteria Infection: Source and Treatment. Current Pulmonology Reports, 2019, 8, 151-159.	0.5	1