Fanshu Xiao

List of Publications by Year
in descending order

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24 papers	663 citations	567281 15 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	544 citing authors

#	Article	IF	Citations
1	Nearly a decadeâ€long repeatable seasonal diversity patterns of bacterioplankton communities in the eutrophic Lake Donghu (Wuhan, China). Molecular Ecology, 2017, 26, 3839-3850.	3.9	76
2	Diversity, function and assembly of mangrove root-associated microbial communities at a continuous fine-scale. Npj Biofilms and Microbiomes, 2020, 6, 52.	6.4	68
3	Host development overwhelms environmental dispersal in governing the ecological succession of zebrafish gut microbiota. Npj Biofilms and Microbiomes, 2021, 7, 5.	6.4	64
4	Sonneratia apetala introduction alters methane cycling microbial communities and increases methane emissions in mangrove ecosystems. Soil Biology and Biochemistry, 2020, 144, 107775.	8.8	42
5	Synergistic effects of antimony and arsenic contaminations on bacterial, archaeal and fungal communities in the rhizosphere of Miscanthus sinensis: Insights for nitrification and carbon mineralization. Journal of Hazardous Materials, 2021, 411, 125094.	12.4	42
6	Bacterial community responses to tourism development in the Xixi National Wetland Park, China. Science of the Total Environment, 2020, 720, 137570.	8.0	40
7	Microbially-driven sulfur cycling microbial communities in different mangrove sediments. Chemosphere, 2021, 273, 128597.	8.2	39
8	Revealing structure and assembly for rhizophyte-endophyte diazotrophic community in mangrove ecosystem after introduced Sonneratia apetala and Laguncularia racemosa. Science of the Total Environment, 2020, 721, 137807.	8.0	35
9	Keystone taxa of water microbiome respond to environmental quality and predict water contamination. Environmental Research, 2020, 187, 109666.	7.5	33
10	Hostâ€“microbiota interactions and responses to grass carp reovirus infection in Ctenopharyngodon idellus. Environmental Microbiology, 2021, 23, 431-447.	3.8	30
11	Environmental effects of nanoparticles on the ecological succession of gut microbiota across zebrafish development. Science of the Total Environment, 2022, 806, 150963.	8.0	22
12	Sediment resuspension drives protist metacommunity structure and assembly in grass carp (Ctenopharyngodon idella) aquaculture ponds. Science of the Total Environment, 2021, 764, 142840.	8.0	19
13	Toxic and protective mechanisms of cyanobacterium Synechocystis sp. in response to titanium dioxide nanoparticles. Environmental Pollution, 2021, 274, 116508.	7.5	19
14	Metagenomic insights into the effects of submerged plants on functional potential of microbial communities in wetland sediments. Marine Life Science and Technology, 2021, 3, 405-415.	4.6	19
15	The Impact of Anthropogenic Disturbance on Bacterioplankton Communities During the Construction of Donghu Tunnel (Wuhan, China). Microbial Ecology, 2019, 77, 277-287.	2.8	17
16	Fish growth enhances microbial sulfur cycling in aquaculture pond sediments. Microbial Biotechnology, 2020, 13, 1597-1610.	4.2	17
17	Resistance and Resilience of Fish Gut Microbiota to Silver Nanoparticles. MSystems, 2021, 6, e0063021.	3.8	17
18	Extracellular proteins of Desulfovibrio vulgaris as adsorbents and redox shuttles promote biomineralization of antimony. Journal of Hazardous Materials, 2022, 426, 127795.	12.4	13

#	Article	IF	Citations
19	Differential distribution of and similar biochemical responses to different species of arsenic and antimony in Vetiveria zizanioides. Environmental Geochemistry and Health, 2020, 42, 3995-4010.	3.4	11
20	Interactions and Stability of Gut Microbiota in Zebrafish Increase with Host Development. Microbiology Spectrum, 2022, 10, e0169621.	3.0	11
21	The Beta-Diversity of Siganus fuscescens-Associated Microbial Communities From Different Habitats Increases With Body Weight. Frontiers in Microbiology, 2020, 11, 1562.	3.5	9
22	Light modulates the effect of antibiotic norfloxacin on photosynthetic processes of Microcystis aeruginosa. Aquatic Toxicology, 2021, 235, 105826.	4.0	8
23	Pollution alters methanogenic and methanotrophic communities and increases dissolved methane in small ponds. Science of the Total Environment, 2021, 801, 149723.	8.0	8
24	Necessary Sequencing Depth and Clustering Method to Obtain Relatively Stable Diversity Patterns in Studying Fish Gut Microbiota. Current Microbiology, 2018, 75, 1240-1246.	2.2	4