

Liyuan Hou

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

983
citations

687335

13
h-index

713444

21
g-index

22
all docs

22
docs citations

22
times ranked

920
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong impact of anthropogenic contamination on the co-occurrence patterns of a riverine microbial community. <i>Environmental Microbiology</i> , 2017, 19, 4993-5009.	3.8	213
2	Conversion and removal strategies for microplastics in wastewater treatment plants and landfills. <i>Chemical Engineering Journal</i> , 2021, 406, 126715.	12.7	147
3	Pharmaceuticals and personal care products in a mesoscale subtropical watershed and their application as sewage markers. <i>Journal of Hazardous Materials</i> , 2014, 280, 696-705.	12.4	91
4	Response of bacterial communities to environmental changes in a mesoscale subtropical watershed, Southeast China. <i>Science of the Total Environment</i> , 2014, 472, 746-756.	8.0	88
5	Zero-valent iron-based technologies for removal of heavy metal(loid)s and organic pollutants from the aquatic environment: Recent advances and perspectives. <i>Journal of Cleaner Production</i> , 2020, 277, 123478.	9.3	82
6	Potential for and Distribution of Enzymatic Biodegradation of Polystyrene by Environmental Microorganisms. <i>Materials</i> , 2021, 14, 503.	2.9	61
7	Distinct mechanisms underlying the assembly of microeukaryotic generalists and specialists in an anthropogenically impacted river. <i>Science of the Total Environment</i> , 2020, 748, 141434.	8.0	49
8	Urban ponds as hotspots of antibiotic resistome in the urban environment. <i>Journal of Hazardous Materials</i> , 2021, 403, 124008.	12.4	48
9	Horizontal and vertical gene transfer drive sediment antibiotic resistome in an urban lagoon system. <i>Journal of Environmental Sciences</i> , 2021, 102, 11-23.	6.1	45
10	Biogeography of Planktonic and Benthic Archaeal Communities in a Subtropical Eutrophic Estuary of China. <i>Microbial Ecology</i> , 2015, 70, 322-335.	2.8	31
11	Fecal pollution mediates the dominance of stochastic assembly of antibiotic resistome in an urban lagoon (Yundang lagoon), China. <i>Journal of Hazardous Materials</i> , 2021, 417, 126083.	12.4	22
12	Deterministic and stochastic processes driving the shift in the prokaryotic community composition in wastewater treatment plants of a coastal Chinese city. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9155-9168.	3.6	15
13	Tracking microeukaryotic footprint in a peri-urban watershed, China through machine-learning approaches. <i>Science of the Total Environment</i> , 2022, 806, 150401.	8.0	15
14	Deciphering the Assembly Processes of the Key Ecological Assemblages of Microbial Communities in Thirteen Full-Scale Wastewater Treatment Plants. <i>Microbes and Environments</i> , 2019, 34, 169-179.	1.6	13
15	Impact of decreasing hydraulic retention times on the specific affinity of methanogens and their community structures in an anaerobic membrane bioreactor process treating low strength wastewater. <i>Science of the Total Environment</i> , 2020, 739, 140373.	8.0	13
16	Seasonal and spatial variations of prokaryoplankton communities in a salinity-influenced watershed, China. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	12
17	Bioremediation Potential of <i>Streptomyces</i> sp. MOE6 for Toxic Metals and Oil. <i>Polysaccharides</i> , 2021, 2, 47-68.	4.8	11
18	Enhanced polyhydroxybutyrate production from acid whey through determination of process and metabolic limiting factors. <i>Bioresource Technology</i> , 2021, 342, 125973.	9.6	11

#	ARTICLE	IF	CITATIONS
19	Elemental Contaminants in Surface Sediments from Jiulong River Estuary, China: Pollution Level and Ecotoxicological Risk Assessment. <i>Water (Switzerland)</i> , 2020, 12, 1640.	2.7	9
20	Specific affinity and relative abundance of methanogens in acclimated anaerobic sludge treating low-strength wastewater. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 291-302.	3.6	6
21	Performance of AnMBRs treating low strength wastewater with different carbon sources at decreasing HRTs and its linkage to <i>Methanosaeta</i> with high specific affinity. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 849-861.	2.4	1