

Anyi Hu

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

3,319
citations

136950

32
h-index

168389

53
g-index

101
all docs

101
docs citations

101
times ranked

3850
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal variation in the occurrence and removal of pharmaceuticals and personal care products in a wastewater treatment plant in Xiamen, China. <i>Journal of Hazardous Materials</i> , 2014, 277, 69-75.	12.4	223
2	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
3	Influence of pretreated activated sludge for electricity generation in microbial fuel cell application. <i>Bioresource Technology</i> , 2013, 145, 90-96.	9.6	136
4	PPCPs in Jiulong River estuary (China): Spatiotemporal distributions, fate, and their use as chemical markers of wastewater. <i>Chemosphere</i> , 2016, 150, 596-604.	8.2	127
5	Biodegradation of sulfamethoxazole in bacteria from three different origins. <i>Journal of Environmental Management</i> , 2018, 206, 93-102.	7.8	121
6	Monitoring, mass balance and fate of pharmaceuticals and personal care products in seven wastewater treatment plants in Xiamen City, China. <i>Journal of Hazardous Materials</i> , 2018, 354, 81-90.	12.4	98
7	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
8	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
9	Wetland plant microbial fuel cells for remediation of hexavalent chromium contaminated soils and electricity production. <i>Journal of Hazardous Materials</i> , 2019, 365, 137-145.	12.4	86
10	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
11	Characterization of triclosan metabolism in <i>Sphingomonas</i> sp. strain YL-JM2C. <i>Scientific Reports</i> , 2016, 6, 21965.	3.3	73
12	Community Structure and Function of Planktonic Crenarchaeota: Changes with Depth in the South China Sea. <i>Microbial Ecology</i> , 2011, 62, 549-563.	2.8	72
13	Diversity of endophytic and rhizoplane bacterial communities associated with exotic <i>Spartina alterniflora</i> and native mangrove using Illumina amplicon sequencing. <i>Canadian Journal of Microbiology</i> , 2015, 61, 723-733.	1.7	67
14	Community structures of ammonia-oxidising archaea and bacteria in high-altitude lakes on the Tibetan Plateau. <i>Freshwater Biology</i> , 2010, 55, 2375-2390.	2.4	65
15	CO ₂ sequestration by methanogens in activated sludge for methane production. <i>Applied Energy</i> , 2015, 142, 426-434.	10.1	58
16	Bacterial community colonization on tire microplastics in typical urban water environments and associated impacting factors. <i>Environmental Pollution</i> , 2020, 265, 114922.	7.5	58
17	Niche Partitioning of Marine Group I Crenarchaeota in the Euphotic and Upper Mesopelagic Zones of the East China Sea. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7469-7478.	3.1	53
18	Evaluation of Sulfadiazine Degradation in Three Newly Isolated Pure Bacterial Cultures. <i>PLoS ONE</i> , 2016, 11, e0165013.	2.5	52

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19	Characterization of electricity production and microbial community of food waste-fed microbial fuel cells. <i>Chemical Engineering Research and Design</i> , 2019, 125, 83-91.	5.6	52
20	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
21	Degradation of triclocarban by a triclosan-degrading <i>Sphingomonas</i> sp. strain YL-JM2C. <i>Chemosphere</i> , 2016, 144, 292-296.	8.2	48
22	Urban ponds as hotspots of antibiotic resistome in the urban environment. <i>Journal of Hazardous Materials</i> , 2021, 403, 124008.	12.4	48
23	Stratified chemical and microbial characteristics between anode and cathode after long-term operation of plant microbial fuel cells for remediation of metal contaminated soils. <i>Science of the Total Environment</i> , 2019, 670, 585-594.	8.0	46
24	Homogeneous selection drives antibiotic resistome in two adjacent sub-watersheds, China. <i>Journal of Hazardous Materials</i> , 2020, 398, 122820.	12.4	46
25	Long-term impacts of silver nanoparticles in an anaerobic/anoxic/oxic membrane bioreactor system. <i>Chemical Engineering Journal</i> , 2015, 276, 83-90.	12.7	45
26	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
27	Microbial diversity in the snow, a moraine lake and a stream in Himalayan glacier. <i>Extremophiles</i> , 2011, 15, 411-421.	2.3	44
28	Different community assembly mechanisms underlie similar biogeography of bacteria and microeukaryotes in Tibetan lakes. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	43
29	A decentralized wastewater treatment system using microbial fuel cell techniques and its response to a copper shock load. <i>Bioresource Technology</i> , 2013, 143, 76-82.	9.6	38
30	Salinity Impact on Bacterial Community Composition in Five High-Altitude Lakes from the Tibetan Plateau, Western China. <i>Geomicrobiology Journal</i> , 2013, 30, 462-469.	2.0	36
31	Prokaryotic footprints in urban water ecosystems: A case study of urban landscape ponds in a coastal city, China. <i>Environmental Pollution</i> , 2018, 242, 1729-1739.	7.5	35
32	Biogeography of the free-living and particle-attached bacteria in Tibetan lakes. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	35
33	Enhanced production of secondary biogenic coalbed natural gas from a subbituminous coal treated by hydrogen peroxide and its geochemical and microbiological analyses. <i>Fuel</i> , 2019, 236, 1345-1355.	6.4	35
34	Impacts of human disturbance on the biogeochemical nitrogen cycle in a subtropical river system revealed by nitrifier and denitrifier genes. <i>Science of the Total Environment</i> , 2020, 746, 141139.	8.0	35
35	Seeking key microorganisms for enhancing methane production in anaerobic digestion of waste sewage sludge. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5323-5334.	3.6	34
36	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

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37	Domestic wastewater causes nitrate pollution in an agricultural watershed, China. <i>Science of the Total Environment</i> , 2022, 823, 153680.	8.0	30
38	Understanding gaseous nitrogen removal through direct measurement of dissolved N ₂ and N ₂ O in a subtropical river-reservoir system. <i>Ecological Engineering</i> , 2014, 70, 56-67.	3.6	29
39	<i>Altererythrobacter estronivorus</i> sp. nov., an Estrogen-Degrading Strain Isolated from Yundang Lagoon of Xiamen City in China. <i>Current Microbiology</i> , 2016, 72, 634-640.	2.2	28
40	Bisphenol A attenuation in natural microcosm: Contribution of ecological components and identification of transformation pathways through stable isotope tracing. <i>Journal of Hazardous Materials</i> , 2020, 385, 121584.	12.4	28
41	Environmental Filtering Drives the Assembly of Habitat Generalists and Specialists in the Coastal Sand Microbial Communities of Southern China. <i>Microorganisms</i> , 2019, 7, 598.	3.6	27
42	Phylogenetic diversity of bacterial communities in South China Sea mesoscale cyclonic eddy perturbations. <i>Research in Microbiology</i> , 2011, 162, 320-329.	2.1	26
43	Community Structure of Archaea from Deep-Sea Sediments of the South China Sea. <i>Microbial Ecology</i> , 2010, 60, 796-806.	2.8	25
44	Response of microbial communities to bioturbation by artificially introducing macrobenthos to mudflat sediments for in situ bioremediation in a typical semi-enclosed bay, southeast China. <i>Marine Pollution Bulletin</i> , 2015, 94, 114-122.	5.0	24
45	Effect of a weak magnetic field on triclosan removal using zero-valent iron under aerobic and anaerobic conditions. <i>Chemical Engineering Journal</i> , 2018, 346, 24-33.	12.7	24
46	Archaeal community in a human-disturbed watershed in southeast China: diversity, distribution, and responses to environmental changes. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4685-4698.	3.6	23
47	Contribution of biotic and abiotic factors in the natural attenuation of sulfamethoxazole: A path analysis approach. <i>Science of the Total Environment</i> , 2018, 633, 1217-1226.	8.0	23
48	A comparison of pelagic, littoral, and riverine bacterial assemblages in Lake Bangongco, Tibetan Plateau. <i>FEMS Microbiology Ecology</i> , 2014, 89, 211-221.	2.7	22
49	<i>Melaminivora alkalimesophila</i> gen. nov., sp. nov., a melamine-degrading betaproteobacterium isolated from a melamine-producing factory. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1938-1944.	1.7	22
50	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
51	Strong impact of micropollutants on prokaryotic communities at the horizontal but not vertical scales in a subtropical reservoir, China. <i>Science of the Total Environment</i> , 2020, 721, 137767.	8.0	19
52	Vertical variation of bacterial community in Nam Co, a large stratified lake in central Tibetan Plateau. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1323-1335.	1.7	17
53	Genetic Diversity of Picocyanobacteria in Tibetan Lakes: Assessing the Endemic and Universal Distributions. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7640-7650.	3.1	16
54	Electrochemical Characterization of a Novel Exoelectrogenic Bacterium Strain SCS5, Isolated from a Mediator-Less Microbial Fuel Cell and Phylogenetically Related to <i>Aeromonas jandaei</i> . <i>Microbes and Environments</i> , 2016, 31, 213-225.	1.6	16

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55	Integrated assessment of major and trace elements in surface and core sediments from an urban lagoon, China: Potential ecological risks and influencing factors. <i>Marine Pollution Bulletin</i> , 2021, 170, 112651.	5.0	16
56	Genome Sequence of the 17 β -Estradiol-Utilizing Bacterium <i>Sphingomonas</i> Strain KC8. <i>Journal of Bacteriology</i> , 2011, 193, 4266-4267.	2.2	15
57	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
58	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
59	Draft Genome Sequence of <i>Pseudomonas nitroreducens</i> Strain TX1, Which Degrades Nonionic Surfactants and Estrogen-Like Alkylphenols. <i>Genome Announcements</i> , 2014, 2, .	0.8	14
60	Response of prokaryotic communities to extreme precipitation events in an urban coastal lagoon: A case study of Yundang lagoon, China. <i>Science of the Total Environment</i> , 2020, 706, 135937.	8.0	14
61	Dynamics of Autotrophic Marine Planktonic Thaumarchaeota in the East China Sea. <i>PLoS ONE</i> , 2013, 8, e61087.	2.5	13
62	Enrichment and Characterization of a Psychrotolerant Consortium Degrading Crude Oil Alkanes Under Methanogenic Conditions. <i>Microbial Ecology</i> , 2015, 70, 433-444.	2.8	13
63	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
64	How habitat heterogeneity shapes bacterial and protistan communities in temperate coastal areas near estuaries. <i>Environmental Microbiology</i> , 2022, 24, 1775-1789.	3.8	13
65	Seasonal and spatial variations of prokaryoplankton communities in a salinity-influenced watershed, China. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	12
66	Fate of glacier surface snow-originating bacteria in the glacier-fed hydrologic continuums. <i>Environmental Microbiology</i> , 2021, 23, 6450-6462.	3.8	12
67	Distinct strategies of the habitat generalists and specialists in sediment of Tibetan lakes. <i>Environmental Microbiology</i> , 2022, 24, 4153-4166.	3.8	12
68	Draft Genome Sequence of the Bisphenol A-Degrading Bacterium <i>Sphingobium</i> sp. Strain YL23. <i>Genome Announcements</i> , 2013, 1, .	0.8	11
69	Characterization of a novel melamine-degrading bacterium isolated from a melamine-manufacturing factory in China. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3287-3293.	3.6	10
70	A Review of Micropollutant Removal by Microalgae. , 2019, , 41-55.		10
71	Long-term operation of bio-catalyzed cathodes within continuous flow membrane-less microbial fuel cells. <i>Chemosphere</i> , 2021, 266, 129059.	8.2	10
72	Characterization and Performance of Lactate-Feeding Consortia for Reductive Dechlorination of Trichloroethene. <i>Microorganisms</i> , 2021, 9, 751.	3.6	10

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73	Microbial Degradation of Phenolic Compounds. <i>Microorganisms for Sustainability</i> , 2019, , 305-320.	0.7	10
74	Repeated introduction of micropollutants enhances microbial succession despite stable degradation patterns. <i>ISME Communications</i> , 2022, 2, .	4.2	10
75	Microbial community structure analysis and isolation of vanadium-resistant strains in vanadium mining-impacted soil. <i>Journal of Soils and Water Conservation</i> , 2019, 74, 296-308.	1.6	9
76	Hydrothermal conversion of waste cartons into a magnetic carbon-iron composite for use as an efficient and recyclable dye adsorbent. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 717-725.	9.4	9
77	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
78	A comprehensive review on the influence of light on signaling cross-talk and molecular communication against phyto-microbiome interactions. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 370-393.	9.0	9
79	Pathogens Removal in a Sustainable and Economic High-Rate Algal Pond Wastewater Treatment System. <i>Sustainability</i> , 2021, 13, 13232.	3.2	9
80	Continuous antibiotic attenuation in algal membrane photobioreactor: Performance and kinetics. <i>Journal of Hazardous Materials</i> , 2022, 434, 128910.	12.4	9
81	The spatial distribution of archaeal lipids in a mesoscale subtropical watershed, Southeast China. <i>Science China Earth Sciences</i> , 2016, 59, 1317-1328.	5.2	8
82	Assessment of the fate of silver nanoparticles in the A2O-MBR system. <i>Science of the Total Environment</i> , 2016, 544, 901-907.	8.0	8
83	<i>Croceicoccus bisphenolivorans</i> sp. nov., a bisphenol A-degrading bacterium isolated from seawater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	8
84	Temporal variability of microbial communities during the past 600 years in a Tibetan lake sediment core. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 584, 110678.	2.3	8
85	Environmental factors shaping the archaeal community structure and ether lipid distribution in a subtropic river and estuary, China. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 461-474.	3.6	7
86	Integration of pre-colonized and mediator immobilized mixed culture for the improvement of electricity production of microbial fuel cells. <i>Environmental Technology and Innovation</i> , 2021, 22, 101514.	6.1	7
87	Draft Genome Sequence of Triclosan-Degrading Bacterium <i>Sphingomonas</i> sp. Strain YL-JM2C, Isolated from a Wastewater Treatment Plant in China. <i>Genome Announcements</i> , 2015, 3, .	0.8	6
88	Reconciliation of Spatiotemporal Influences on Two-Dimensional Distribution and Fate of Emerging Contaminants in a Subtropical River. <i>ACS ES&T Water</i> , 0, , .	4.6	6
89	Predicting Microbial Species in a River Based on Physicochemical Properties by Bio-Inspired Metaheuristic Optimized Machine Learning. <i>Sustainability</i> , 2019, 11, 6889.	3.2	5
90	Dispersal Limitation Expands the Diversity of Coral Microbiome Metacommunity in the South China Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5

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91	Comparative study on the removal of organic pollutants by magnetic composite and pre-magnetized zero-valent iron activated persulfate. <i>Chemosphere</i> , 2022, 286, 131722.	8.2	5
92	Draft genome sequence of <i>Dyadobacter tibetensis</i> type strain (Y620-1) isolated from glacial ice. <i>Standards in Genomic Sciences</i> , 2014, 9, 883-892.	1.5	4
93	Elevational patterns of abundant and rare bacterial diversity and composition in mountain streams in the southeast of the Tibetan Plateau. <i>Science China Earth Sciences</i> , 2019, 62, 853-862.	5.2	4
94	A Comprehensive Profile of Antibiotic Resistance Genes in the Water Column of a Shallow-Sea Hydrothermal Vent Ecosystem. <i>Sustainability</i> , 2022, 14, 1776.	3.2	3
95	Changes in Wastewater Treatment Performance and the Microbial Community during the Bioaugmentation of a Denitrifying <i>Pseudomonas</i> Strain in the Low Carbon-Nitrogen Ratio Sequencing Batch Reactor. <i>Water (Switzerland)</i> , 2022, 14, 540.	2.7	2
96	Performance Assessment of Natural Wastewater Treatment Plants by Multivariate Statistical Models: A Case Study. <i>Sustainability</i> , 2022, 14, 7658.	3.2	1
97	Storm Promotes the Dissemination of Antibiotic Resistome in an Urban Lagoon Through Enhancing Bio-Interactions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0