Anyi Hu

List of Publications by Year
in descending order

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	Comparative study on the removal of organic pollutants by magnetic composite and pre-magnetized zero-valent iron activated persulfate. Chemosphere, 2022, 286, 131722.	8.2	5
2	Tracking microeukaryotic footprint in a peri-urban watershed, China through machine-learning approaches. Science of the Total Environment, 2022, 806, 150401.	8.0	15
3	How habitat heterogeneity shapes bacterial and protistan communities in temperate coastal areas near estuaries. Environmental Microbiology, 2022, 24, 1775-1789.	3.8	13
4	A Comprehensive Profile of Antibiotic Resistance Genes in the Water Column of a Shallow-Sea Hydrothermal Vent Ecosystem. Sustainability, 2022, 14, 1776.	3.2	3
5	Domestic wastewater causes nitrate pollution in an agricultural watershed, China. Science of the Total Environment, 2022, 823, 153680.	8.0	30
6	Changes in Wastewater Treatment Performance and the Microbial Community during the Bioaugmentation of a Denitrifying Pseudomonas Strain in the Low Carbonâ€“Nitrogen Ratio Sequencing Batch Reactor. Water (Switzerland), 2022, 14, 540.	2.7	2
7	Continuous antibiotic attenuation in algal membrane photobioreactor: Performance and kinetics. Journal of Hazardous Materials, 2022, 434, 128910.	12.4	9
8	Distinct strategies of the habitat generalists and specialists in sediment of Tibetan lakes. Environmental Microbiology, 2022, 24, 4153-4166.	3.8	12
9	Repeated introduction of micropollutants enhances microbial succession despite stable degradation patterns. ISME Communications, 2022, 2, .	4.2	10
10	Performance Assessment of Natural Wastewater Treatment Plants by Multivariate Statistical Models: A Case Study. Sustainability, 2022, 14, 7658.	3.2	1
11	Urban ponds as hotspots of antibiotic resistome in the urban environment. Journal of Hazardous Materials, 2021, 403, 124008.	12.4	48
12	Horizontal and vertical gene transfer drive sediment antibiotic resistome in an urban lagoon system. Journal of Environmental Sciences, 2021, 102, 11-23.	6.1	45
13	Croceicoccus bisphenolivorans sp. nov., a bisphenol A-degrading bacterium isolated from seawater. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	8
14	A comprehensive review on the influence of light on signaling cross-talk and molecular communication against phyto-microbiome interactions. Critical Reviews in Biotechnology, 2021, 41, 370-393.	9.0	9
15	Long-term operation of bio-catalyzed cathodes within continuous flow membrane-less microbial fuel cells. Chemosphere, 2021, 266, 129059.	8.2	10
16	Characterization and Performance of Lactate-Feeding Consortia for Reductive Dechlorination of Trichloroethene. Microorganisms, 2021, 9, 751.	3.6	10
17	Integration of pre-colonized and mediator immobilized mixed culture for the improvement of electricity production of microbial fuel cells. Environmental Technology and Innovation, 2021, 22, 101514.	6.1	7
18	Dispersal Limitation Expands the Diversity of Coral Microbiome Metacommunity in the South China Sea. Frontiers in Marine Science, 2021, 8, .	2.5	5

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19	Integrated assessment of major and trace elements in surface and core sediments from an urban lagoon, China: Potential ecological risks and influencing factors. Marine Pollution Bulletin, 2021, 170, 112651.	5.0	16
20	Fate of glacier surface snowâ€originating bacteria in the glacierâ€fed hydrologic continuums. Environmental Microbiology, 2021, 23, 6450-6462.	3.8	12
21	Fecal pollution mediates the dominance of stochastic assembly of antibiotic resistome in an urban lagoon (Yundang lagoon), China. Journal of Hazardous Materials, 2021, 417, 126083.	12.4	22
22	Temporal variability of microbial communities during the past 600Âyears in a Tibetan lake sediment core. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 584, 110678.	2.3	8
23	Pathogens Removal in a Sustainable and Economic High-Rate Algal Pond Wastewater Treatment System. Sustainability, 2021, 13, 13232.	3.2	9
24	Response of prokaryotic communities to extreme precipitation events in an urban coastal lagoon: A case study of Yundang lagoon, China. Science of the Total Environment, 2020, 706, 135937.	8.0	14
25	Bisphenol A attenuation in natural microcosm: Contribution of ecological components and identification of transformation pathways through stable isotope tracing. Journal of Hazardous Materials, 2020, 385, 121584.	12.4	28
26	Impacts of human disturbance on the biogeochemical nitrogen cycle in a subtropical river system revealed by nitrifier and denitrifier genes. Science of the Total Environment, 2020, 746, 141139.	8.0	35
27	Distinct mechanisms underlying the assembly of microeukaryotic generalists and specialists in an anthropogenically impacted river. Science of the Total Environment, 2020, 748, 141434.	8.0	49
28	Zero-valent iron-based technologies for removal of heavy metal(loid)s and organic pollutants from the aquatic environment: Recent advances and perspectives. Journal of Cleaner Production, 2020, 277, 123478.	9.3	82
29	Hydrothermal conversion of waste cartons into a magnetic carbon-iron composite for use as an efficient and recyclable dye adsorbent. Journal of Colloid and Interface Science, 2020, 578, 717-725.	9.4	9
30	Bacterial community colonization on tire microplastics in typical urban water environments and associated impacting factors. Environmental Pollution, 2020, 265, 114922.	7.5	58
31	Elemental Contaminants in Surface Sediments from Jiulong River Estuary, China: Pollution Level and Ecotoxicological Risk Assessment. Water (Switzerland), 2020, 12, 1640.	2.7	9
32	Strong impact of micropollutants on prokaryotic communities at the horizontal but not vertical scales in a subtropical reservoir, China. Science of the Total Environment, 2020, 721, 137767.	8.0	19
33	Different community assembly mechanisms underlie similar biogeography of bacteria and microeukaryotes in Tibetan lakes. FEMS Microbiology Ecology, 2020, 96, .	2.7	43
34	Homogeneous selection drives antibiotic resistome in two adjacent sub-watersheds, China. Journal of Hazardous Materials, 2020, 398, 122820.	12.4	46
35	Microbial community structure analysis and isolation of vanadium-resistant strains in vanadium miningâ€“impacted soil. Journal of Soils and Water Conservation, 2019, 74, 296-308.	1.6	9
36	Deterministic and stochastic processes driving the shift in the prokaryotic community composition in wastewater treatment plants of a coastal Chinese city. Applied Microbiology and Biotechnology, 2019, 103, 9155-9168.	3.6	15

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37	A Review of Micropollutant Removal by Microalgae. , 2019, , 41-55.		10
38	Biogeography of the free-living and particle-attached bacteria in Tibetan lakes. FEMS Microbiology Ecology, 2019, 95, .	2.7	35
39	Deciphering the Assembly Processes of the Key Ecological Assemblages of Microbial Communities in Thirteen Full-Scale Wastewater Treatment Plants. Microbes and Environments, 2019, 34, 169-179.	1.6	13
40	Characterization of electricity production and microbial community of food waste-fed microbial fuel cells. Chemical Engineering Research and Design, 2019, 125, 83-91.	5.6	52
41	Stratified chemical and microbial characteristics between anode and cathode after long-term operation of plant microbial fuel cells for remediation of metal contaminated soils. Science of the Total Environment, 2019, 670, 585-594.	8.0	46
42	Elevational patterns of abundant and rare bacterial diversity and composition in mountain streams in the southeast of the Tibetan Plateau. Science China Earth Sciences, 2019, 62, 853-862.	5.2	4
43	Predicting Microbial Species in a River Based on Physicochemical Properties by Bio-Inspired Metaheuristic Optimized Machine Learning. Sustainability, 2019, 11, 6889.	3.2	5
44	Environmental Filtering Drives the Assembly of Habitat Generalists and Specialists in the Coastal Sand Microbial Communities of Southern China. Microorganisms, 2019, 7, 598.	3.6	27
45	Wetland plant microbial fuel cells for remediation of hexavalent chromium contaminated soils and electricity production. Journal of Hazardous Materials, 2019, 365, 137-145.	12.4	86
46	Enhanced production of secondary biogenic coalbed natural gas from a subbituminous coal treated by hydrogen peroxide and its geochemical and microbiological analyses. Fuel, 2019, 236, 1345-1355.	6.4	35
47	Microbial Degradation of Phenolic Compounds. Microorganisms for Sustainability, 2019, , 305-320.	0.7	10
48	Effect of a weak magnetic field on triclosan removal using zero-valent iron under aerobic and anaerobic conditions. Chemical Engineering Journal, 2018, 346, 24-33.	12.7	24
49	Contribution of biotic and abiotic factors in the natural attenuation of sulfamethoxazole: A path analysis approach. Science of the Total Environment, 2018, 633, 1217-1226.	8.0	23
50	Monitoring, mass balance and fate of pharmaceuticals and personal care products in seven wastewater treatment plants in Xiamen City, China. Journal of Hazardous Materials, 2018, 354, 81-90.	12.4	98
51	Biodegradation of sulfamethoxazole in bacteria from three different origins. Journal of Environmental Management, 2018, 206, 93-102.	7.8	121
52	Environmental factors shaping the archaeal community structure and ether lipid distribution in a subtropic river and estuary, China. Applied Microbiology and Biotechnology, 2018, 102, 461-474.	3.6	7
53	Prokaryotic footprints in urban water ecosystems: A case study of urban landscape ponds in a coastal city, China. Environmental Pollution, 2018, 242, 1729-1739.	7.5	35
54	Seeking key microorganisms for enhancing methane production in anaerobic digestion of waste sewage sludge. Applied Microbiology and Biotechnology, 2018, 102, 5323-5334.	3.6	34

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55	Strong impact of anthropogenic contamination on the coâ€•occurrence patterns of a riverine microbial community. Environmental Microbiology, 2017, 19, 4993-5009.	3.8	213
56	Seasonal and spatial variations of prokaryoplankton communities in a salinity-influenced watershed, China. FEMS Microbiology Ecology, 2017, 93, .	2.7	12
57	Evaluation of Sulfadiazine Degradation in Three Newly Isolated Pure Bacterial Cultures. PLoS ONE, 2016, 11, e0165013.	2.5	52
58	Characterization of triclosan metabolism in Sphingomonas sp. strain YL-JM2C. Scientific Reports, 2016, 6, 21965.	3.3	73
59	PPCPs in Jiulong River estuary (China): Spatiotemporal distributions, fate, and their use as chemical markers of wastewater. Chemosphere, 2016, 150, 596-604.	8.2	127
60	The spatial distribution of archaeal lipids in a mesoscale subtropical watershed, Southeast China. Science China Earth Sciences, 2016, 59, 1317-1328.	5.2	8
61	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>. Microbes and Environments, 2016, 31, 213-225.	1.6	16
62	Vertical variation of bacterial community in Nam Co, a large stratified lake in central Tibetan Plateau. Antonie Van Leeuwenhoek, 2016, 109, 1323-1335.	1.7	17
63	Assessment of the fate of silver nanoparticles in the A2O-MBR system. Science of the Total Environment, 2016, 544, 901-907.	8.0	8
64	Archaeal community in a human-disturbed watershed in southeast China: diversity, distribution, and responses to environmental changes. Applied Microbiology and Biotechnology, 2016, 100, 4685-4698.	3.6	23
65	Altererythrobacter estronivorus sp. nov., an Estrogen-Degrading Strain Isolated from Yundang Lagoon of Xiamen City in China. Current Microbiology, 2016, 72, 634-640.	2.2	28
66	Degradation of triclocarban by a triclosan-degrading Sphingomonas sp. strain YL-JM2C. Chemosphere, 2016, 144, 292-296.	8.2	48
67	CO2 sequestration by methanogens in activated sludge for methane production. Applied Energy, 2015, 142, 426-434.	10.1	58
68	Diversity of endophytic and rhizoplane bacterial communities associated with exotic Spartina alterniflora and native mangrove using Illumina amplicon sequencing. Canadian Journal of Microbiology, 2015, 61, 723-733.	1.7	67
69	Draft Genome Sequence of Triclosan-Degrading Bacterium Sphingomonas sp. Strain YL-JM2C, Isolated from a Wastewater Treatment Plant in China. Genome Announcements, 2015, 3, .	0.8	6
70	Long-term impacts of silver nanoparticles in an anaerobicâ€“anoxicâ€“oxic membrane bioreactor system. Chemical Engineering Journal, 2015, 276, 83-90.	12.7	45
71	Enrichment and Characterization of a Psychrotolerant Consortium Degrading Crude Oil Alkanes Under Methanogenic Conditions. Microbial Ecology, 2015, 70, 433-444.	2.8	13
72	Biogeography of Planktonic and Benthic Archaeal Communities in a Subtropical Eutrophic Estuary of China. Microbial Ecology, 2015, 70, 322-335.	2.8	31

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73	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. Marine Pollution Bulletin, 2015, 94, 114-122.	5.0	24
74	Pharmaceuticals and personal care products in a mesoscale subtropical watershed and their application as sewage markers. Journal of Hazardous Materials, 2014, 280, 696-705.	12.4	91
75	Draft Genome Sequence of Pseudomonas nitroreducens Strain TX1, Which Degrades Nonionic Surfactants and Estrogen-Like Alkylphenols. Genome Announcements, 2014, 2, .	0.8	14
76	Genetic Diversity of Picocyanobacteria in Tibetan Lakes: Assessing the Endemic and Universal Distributions. Applied and Environmental Microbiology, 2014, 80, 7640-7650.	3.1	16
77	Seasonal variation in the occurrence and removal of pharmaceuticals and personal care products in a wastewater treatment plant in Xiamen, China. Journal of Hazardous Materials, 2014, 277, 69-75.	12.4	223
78	Characterization of a novel melamine-degrading bacterium isolated from a melamine-manufacturing factory in China. Applied Microbiology and Biotechnology, 2014, 98, 3287-3293.	3.6	10
79	A comparison of pelagic, littoral, and riverine bacterial assemblages in Lake Bangongco, Tibetan Plateau. FEMS Microbiology Ecology, 2014, 89, 211-221.	2.7	22
80	Melaminivora alkalimesophila gen. nov., sp. nov., a melamine-degrading betaproteobacterium isolated from a melamine-producing factory. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1938-1944.	1.7	22
81	Response of bacterial communities to environmental changes in a mesoscale subtropical watershed, Southeast China. Science of the Total Environment, 2014, 472, 746-756.	8.0	88
82	Understanding gaseous nitrogen removal through direct measurement of dissolved N2 and N2O in a subtropical river-reservoir system. Ecological Engineering, 2014, 70, 56-67.	3.6	29
83	Draft genome sequence of Dyadobacter tibetensis type strain (Y620-1) isolated from glacial ice. Standards in Genomic Sciences, 2014, 9, 883-892.	1.5	4
84	A decentralized wastewater treatment system using microbial fuel cell techniques and its response to a copper shock load. Bioresource Technology, 2013, 143, 76-82.	9.6	38
85	Salinity Impact on Bacterial Community Composition in Five High-Altitude Lakes from the Tibetan Plateau, Western China. Geomicrobiology Journal, 2013, 30, 462-469.	2.0	36
86	Influence of pretreated activated sludge for electricity generation in microbial fuel cell application. Bioresource Technology, 2013, 145, 90-96.	9.6	136
87	Draft Genome Sequence of the Bisphenol A-Degrading Bacterium Sphingobium sp. Strain YL23. Genome Announcements, 2013, 1, .	0.8	11
88	Dynamics of Autotrophic Marine Planktonic Thaumarchaeota in the East China Sea. PLoS ONE, 2013, 8, e61087.	2.5	13
89	Phylogenetic diversity of bacterial communities in South China Sea mesoscale cyclonic eddy perturbations. Research in Microbiology, 2011, 162, 320-329.	2.1	26
90	Microbial diversity in the snow, a moraine lake and a stream in Himalayan glacier. Extremophiles, 2011, 15, 411-421.	2.3	44

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91	Community Structure and Function of Planktonic Crenarchaeota: Changes with Depth in the South China Sea. Microbial Ecology, 2011, 62, 549-563.	2.8	72
92	Genome Sequence of the 17Î²-Estradiol-Utilizing Bacterium Sphingomonas Strain KC8. Journal of Bacteriology, 2011, 193, 4266-4267.	2.2	15
93	Niche Partitioning of Marine Group I Crenarchaeota in the Euphotic and Upper Mesopelagic Zones of the East China Sea. Applied and Environmental Microbiology, 2011, 77, 7469-7478.	3.1	53
94	Community Structure of Archaea from Deep-Sea Sediments of the South China Sea. Microbial Ecology, 2010, 60, 796-806.	2.8	25
95	Community structures of ammoniaâ€oxidising archaea and bacteria in highâ€altitude lakes on the Tibetan Plateau. Freshwater Biology, 2010, 55, 2375-2390.	2.4	65
96	Reconciliation of Spatiotemporal Influences on Two-Dimensional Distribution and Fate of Emerging Contaminants in a Subtropical River. ACS ES&T Water, 0, , .	4.6	6
97	Storm Promotes the Dissemination of Antibiotic Resistome in an Urban Lagoon Through Enhancing Bio-Interactions. SSRN Electronic Journal, 0, , .	0.4	0