

Ji-Dong Gu

List of Publications by Year in descending order

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148
papers

5,662
citations

101384

36
h-index

110170

64
g-index

172
all docs

172
docs citations

172
times ranked

5003
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiological deterioration and degradation of synthetic polymeric materials: recent research advances. <i>International Biodeterioration and Biodegradation</i> , 2003, 52, 69-91.	1.9	557
2	Bathyarchaeota: globally distributed metabolic generalists in anoxic environments. <i>FEMS Microbiology Reviews</i> , 2018, 42, 639-655.	3.9	206
3	Biodeterioration of concrete by the fungus <i>Fusarium</i> . <i>International Biodeterioration and Biodegradation</i> , 1998, 41, 101-109.	1.9	193
4	Microbial electrocatalysis: Redox mediators responsible for extracellular electron transfer. <i>Biotechnology Advances</i> , 2018, 36, 1815-1827.	6.0	183
5	Insights into the ecology, evolution, and metabolism of the widespread <i>Woese</i> archaeotal lineages. <i>Microbiome</i> , 2018, 6, 102.	4.9	181
6	Microbial extracellular enzymes in biogeochemical cycling of ecosystems. <i>Journal of Environmental Management</i> , 2017, 197, 539-549.	3.8	170
7	Metagenomic and metatranscriptomic analyses reveal activity and hosts of antibiotic resistance genes in activated sludge. <i>Environment International</i> , 2019, 129, 208-220.	4.8	163
8	Microbial deterioration and sustainable conservation of stone monuments and buildings. <i>Nature Sustainability</i> , 2020, 3, 991-1004.	11.5	136
9	Complex microbial nitrogen-cycling networks in three distinct anammox-inoculated wastewater treatment systems. <i>Water Research</i> , 2020, 168, 115142.	5.3	109
10	More than a decade of experience of landfill leachate treatment with a full-scale anammox plant combining activated sludge and activated carbon biofilm. <i>Chemosphere</i> , 2017, 174, 117-126.	4.2	93
11	Genomic and transcriptomic insights into the ecology and metabolism of benthic archaeal cosmopolitan, <i>Thermopfundales</i> (MBC-D archaea). <i>ISME Journal</i> , 2019, 13, 885-901.	4.4	92
12	Stratified Bacterial and Archaeal Community in Mangrove and Intertidal Wetland Mudflats Revealed by High Throughput 16S rRNA Gene Sequencing. <i>Frontiers in Microbiology</i> , 2017, 8, 2148.	1.5	91
13	Ecological responses, adaptation and mechanisms of mangrove wetland ecosystem to global climate change and anthropogenic activities. <i>International Biodeterioration and Biodegradation</i> , 2021, 162, 105248.	1.9	89
14	Comparative genomic inference suggests mixotrophic lifestyle for <i>Thor</i> archaeota. <i>ISME Journal</i> , 2018, 12, 1021-1031.	4.4	86
15	Water is a critical factor in evaluating and assessing microbial colonization and destruction of Angkor sandstone monuments. <i>International Biodeterioration and Biodegradation</i> , 2018, 133, 9-16.	1.9	79
16	Changes in the biofilm microflora of limestone caused by atmospheric pollutants. <i>International Biodeterioration and Biodegradation</i> , 2000, 46, 299-303.	1.9	74
17	The community distribution of bacteria and fungi on ancient wall paintings of the Mogao Grottoes. <i>Scientific Reports</i> , 2015, 5, 7752.	1.6	70
18	Microbial Community Analysis of Fresh and Old Microbial Biofilms on Bayon Temple Sandstone of Angkor Thom, Cambodia. <i>Microbial Ecology</i> , 2010, 60, 105-115.	1.4	68

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19	Biochemical reactions and mechanisms involved in the biodeterioration of stone world cultural heritage under the tropical climate conditions. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104723.	1.9	67
20	More wide occurrence and dominance of ammonia-oxidizing archaea than bacteria at three Angkor sandstone temples of Bayon, Phnom Krom and Wat Athvea in Cambodia. <i>International Biodeterioration and Biodegradation</i> , 2017, 117, 78-88.	1.9	66
21	Activity and Metabolic Versatility of Complete Ammonia Oxidizers in Full-Scale Wastewater Treatment Systems. <i>MBio</i> , 2020, 11, .	1.8	65
22	Future directions and challenges in biodeterioration research on historic materials and cultural properties. <i>International Biodeterioration and Biodegradation</i> , 2018, 129, 10-12.	1.9	63
23	Diversity and distribution of Archaea in global estuarine ecosystems. <i>Science of the Total Environment</i> , 2018, 637-638, 349-358.	3.9	62
24	Diverse Asgard archaea including the novel phylum Gerdarchaeota participate in organic matter degradation. <i>Science China Life Sciences</i> , 2020, 63, 886-897.	2.3	61
25	Oxidation of Elemental Sulfur by <i>Fusarium solani</i> Strain THIF01 Harboring Endobacterium <i>Bradyrhizobium</i> sp.. <i>Microbial Ecology</i> , 2010, 60, 96-104.	1.4	56
26	Alteration of extracellular enzyme activity and microbial abundance by biochar addition: Implication for carbon sequestration in subtropical mangrove sediment. <i>Journal of Environmental Management</i> , 2016, 182, 29-36.	3.8	53
27	Anaerobic Degradation of Paraffins by Thermophilic Actinobacteria under Methanogenic Conditions. <i>Environmental Science & Technology</i> , 2020, 54, 10610-10620.	4.6	53
28	Higher diversity and abundance of ammonia-oxidizing archaea than bacteria detected at the Bayon Temple of Angkor Thom in Cambodia. <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 234-243.	1.9	52
29	Biodegradability of plastics: the issues, recent advances, and future perspectives. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1278-1282.	2.7	49
30	Microbiological community of the Royal Palace in Angkor Thom and Beng Mealea of Cambodia by Illumina sequencing based on 16S rRNA gene. <i>International Biodeterioration and Biodegradation</i> , 2018, 134, 127-135.	1.9	47
31	Occurrence of <i>Aspergillus allahabadii</i> on sandstone at Bayon temple, Angkor Thom, Cambodia. <i>International Biodeterioration and Biodegradation</i> , 2013, 76, 112-117.	1.9	44
32	Occurrence of anammox bacteria in a traditional full-scale wastewater treatment plant and successful inoculation for new establishment. <i>International Biodeterioration and Biodegradation</i> , 2017, 120, 224-231.	1.9	44
33	Faunal Burrows Alter the Diversity, Abundance, and Structure of AOA, AOB, Anammox and n-Damo Communities in Coastal Mangrove Sediments. <i>Microbial Ecology</i> , 2017, 74, 140-156.	1.4	42
34	Lithoautotrophical oxidation of elemental sulfur by fungi including <i>Fusarium solani</i> isolated from sandstone Angkor temples. <i>International Biodeterioration and Biodegradation</i> , 2018, 126, 95-102.	1.9	42
35	Activities and metabolic versatility of distinct anammox bacteria in a full-scale wastewater treatment system. <i>Water Research</i> , 2021, 206, 117763.	5.3	42
36	Specific and effective detection of anammox bacteria using PCR primers targeting the 16S rRNA gene and functional genes. <i>Science of the Total Environment</i> , 2020, 734, 139387.	3.9	41

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37	Direct microbial transformation of carbon dioxide to value-added chemicals: A comprehensive analysis and application potentials. <i>Bioresource Technology</i> , 2019, 288, 121401.	4.8	40
38	Improved anaerobic co-digestion of food waste and domestic wastewater by copper supplementation and microbial community change and enhanced effluent quality. <i>Science of the Total Environment</i> , 2019, 670, 337-344.	3.9	40
39	Survival strategies of ammonia-oxidizing archaea (AOA) in a full-scale WWTP treating mixed landfill leachate containing copper ions and operating at low-intensity of aeration. <i>Water Research</i> , 2021, 191, 116798.	5.3	39
40	Abundance and niche specificity of different types of complete ammonia oxidizers (comammox) in salt marshes covered by different plants. <i>Science of the Total Environment</i> , 2021, 768, 144993.	3.9	39
41	Biofilm control by interfering with c-di-GMP metabolism and signaling. <i>Biotechnology Advances</i> , 2022, 56, 107915.	6.0	39
42	Existence of Novel Phylotypes of Nitrite-Dependent Anaerobic Methane-Oxidizing Bacteria in Surface and Subsurface Sediments of the South China Sea. <i>Geomicrobiology Journal</i> , 2015, 32, 1-10.	1.0	38
43	Impact of nitrogen pollution/deposition on extracellular enzyme activity, microbial abundance and carbon storage in coastal mangrove sediment. <i>Chemosphere</i> , 2017, 177, 275-283.	4.2	36
44	Diazotrophic microbial community and abundance in acidic subtropical natural and re-vegetated forest soils revealed by high-throughput sequencing of nifH gene. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 995-1005.	1.7	35
45	Community structures of bacteria and archaea associated with the biodeterioration of sandstone sculptures at the Beishiku Temple. <i>International Biodeterioration and Biodegradation</i> , 2021, 164, 105290.	1.9	34
46	Biotransformation of lincomycin and fluoroquinolone antibiotics by the ammonia oxidizers AOA, AOB and comammox: A comparison of removal, pathways, and mechanisms. <i>Water Research</i> , 2021, 196, 117003.	5.3	33
47	Differences of Microbial Community on the wall paintings preserved in situ and ex situ of the Tiantishan Grottoes, China. <i>International Biodeterioration and Biodegradation</i> , 2018, 132, 102-113.	1.9	32
48	Ecological distribution and potential roles of Woese archaeota in anaerobic biogeochemical cycling unveiled by genomic analysis. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 794-800.	1.9	32
49	Genomic and transcriptomic evidence of light-sensing, porphyrin biosynthesis, Calvin-Benson-Bassham cycle, and urea production in Bathyarchaeota. <i>Microbiome</i> , 2020, 8, 43.	4.9	31
50	Further Analysis of Anammox Bacterial Community Structures Along an Anthropogenic Nitrogen-Input Gradient from the Riparian Sediments of the Pearl River Delta to the Deep-Ocean Sediments of the South China Sea. <i>Geomicrobiology Journal</i> , 2015, 32, 789-798.	1.0	30
51	Co-occurrence of nitrite-dependent anaerobic ammonium and methane oxidation processes in subtropical acidic forest soils. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7727-7739.	1.7	30
52	Mining, pollution and site remediation. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 1-2.	1.9	30
53	Dredging alleviates cyanobacterial blooms by weakening diversity maintenance of bacterioplankton community. <i>Water Research</i> , 2021, 202, 117449.	5.3	29
54	Lower Abundance of Ammonia-Oxidizing Archaea Than Ammonia-Oxidizing Bacteria Detected in the Subsurface Sediments of the Northern South China Sea. <i>Geomicrobiology Journal</i> , 2012, 29, 332-339.	1.0	27

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55	Analysis of methane-producing and metabolizing archaeal and bacterial communities in sediments of the northern South China Sea and coastal Mai Po Nature Reserve revealed by PCR amplification of mcrA and pmoA genes. <i>Frontiers in Microbiology</i> , 2014, 5, 789.	1.5	27
56	Exploring possible associations of the intestine bacterial microbiome with the pre-weaned weight gaining performance of piglets in intensive pig production. <i>Scientific Reports</i> , 2019, 9, 15534.	1.6	27
57	Microbiome characteristics and the key biochemical reactions identified on stone world cultural heritage under different climate conditions. <i>Journal of Environmental Management</i> , 2022, 302, 114041.	3.8	27
58	A more accurate definition of water characteristics in stone materials for an improved understanding and effective protection of cultural heritage from biodeterioration. <i>International Biodeterioration and Biodegradation</i> , 2022, 166, 105338.	1.9	27
59	The active microbes and biochemical processes contributing to deterioration of Angkor sandstone monuments under the tropical climate in Cambodia – A review. <i>Journal of Cultural Heritage</i> , 2021, 47, 218-226.	1.5	26
60	The microbial community characteristics of ancient painted sculptures in Majjishan Grottoes, China. <i>PLoS ONE</i> , 2017, 12, e0179718.	1.1	25
61	Current advances in molecular methods for detection of nitrite-dependent anaerobic methane oxidizing bacteria in natural environments. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9845-9860.	1.7	24
62	A comparison of denitrifying bacterial community structures and abundance in acidic soils between natural forest and re-vegetated forest of Nanling Nature Reserve in southern China. <i>Journal of Environmental Management</i> , 2017, 198, 41-49.	3.8	24
63	A More Comprehensive Community of Ammonia-Oxidizing Archaea (AOA) Revealed by Genomic DNA and RNA Analyses of amoA Gene in Subtropical Acidic Forest Soils. <i>Microbial Ecology</i> , 2017, 74, 910-922.	1.4	24
64	An internal recycling mechanism between ammonia/ammonium and nitrate driven by ammonia-oxidizing archaea and bacteria (AOA, AOB, and Comammox) and DNRA on Angkor sandstone monuments. <i>International Biodeterioration and Biodegradation</i> , 2021, 165, 105328.	1.9	24
65	Modification of cyanobacterial bloom-derived biomass using potassium permanganate enhanced the removal of microcystins and adsorption capacity toward cadmium (II). <i>Journal of Hazardous Materials</i> , 2014, 272, 83-88.	6.5	23
66	Salinity-driven heterogeneity toward anammox distribution and growth kinetics. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1953-1960.	1.7	23
67	Manganese enhances the immobilization of trace cadmium from irrigation water in biological soil crust. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 369-377.	2.9	23
68	Establishing practical strategies to run high loading corn stover anaerobic digestion: Methane production performance and microbial responses. <i>Bioresource Technology</i> , 2020, 310, 123364.	4.8	23
69	Subgroup level differences of physiological activities in marine Lokiarchaeota. <i>ISME Journal</i> , 2021, 15, 848-861.	4.4	23
70	The dynamics of phosphorus fractions and the factors driving phosphorus cycle in Zoige Plateau peatland soil. <i>Chemosphere</i> , 2021, 278, 130501.	4.2	23
71	Biodegradability of plastics: the pitfalls. <i>Applied Environmental Biotechnology</i> , 2017, 2, 59-61.	1.0	23
72	Abundance of ammonia-oxidizing bacteria and archaea under different ventilation strategies during cattle manure composting. <i>Journal of Environmental Management</i> , 2018, 212, 375-383.	3.8	22

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73	Cu-bearing high-entropy alloys with excellent antiviral properties. <i>Journal of Materials Science and Technology</i> , 2021, 84, 59-64.	5.6	22
74	Salinity gradients shape the nitrifier community composition in Nanliu River Estuary sediments and the ecophysiology of comammox <i>Nitrospira inopinata</i> . <i>Science of the Total Environment</i> , 2021, 795, 148768.	3.9	22
75	The diversity and distribution of anammox bacteria in the marine aquaculture zones. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8943-8953.	1.7	21
76	Assessment of molecular detection of anaerobic ammonium-oxidizing (anammox) bacteria in different environmental samples using PCR primers based on 16S rRNA and functional genes. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7689-7702.	1.7	21
77	Practical applications of PCR primers in detection of anammox bacteria effectively from different types of samples. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5859-5871.	1.7	21
78	Microbiome and nitrate removal processes by microorganisms on the ancient Preah Vihear temple of Cambodia revealed by metagenomics and N-15 isotope analyses. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9823-9837.	1.7	21
79	Spatial and temporal distributions of microbial diversity under natural conditions on the sandstone stelae of the Beishiku Temple in China. <i>International Biodeterioration and Biodegradation</i> , 2021, 163, 105279.	1.9	21
80	A mixed blessing of viruses in wastewater treatment plants. <i>Water Research</i> , 2022, 215, 118237.	5.3	21
81	Successive transitory distribution of Thaumarchaeota and partitioned distribution of Bathyarchaeota from the Pearl River estuary to the northern South China Sea. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8035-8048.	1.7	20
82	Metal distribution and biological diversity of crusts in paddy fields polluted with different levels of cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109620.	2.9	20
83	A Review on Sampling Techniques and Analytical Methods for Microbiota of Cultural Properties and Historical Architecture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8099.	1.3	20
84	Two or three domains: a new view of tree of life in the genomics era. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3049-3058.	1.7	19
85	Optogenetic Modulation of a Catalytic Biofilm for the Biotransformation of Indole into Tryptophan. <i>ChemSusChem</i> , 2019, 12, 5142-5148.	3.6	19
86	Influence of critical factors on nitrogen removal contribution by anammox and denitrification in an anammox-inoculated wastewater treatment system. <i>Journal of Water Process Engineering</i> , 2021, 40, 101868.	2.6	19
87	Innovative approaches for the processes involved in microbial biodeterioration of cultural heritage materials. <i>Current Opinion in Biotechnology</i> , 2022, 75, 102716.	3.3	19
88	Community assembly, potential functions and interactions between fungi and microalgae associated with biodeterioration of sandstone at the Beishiku Temple in Northwest China. <i>Science of the Total Environment</i> , 2022, 835, 155372.	3.9	19
89	New PCR primers targeting hydrazine synthase and cytochrome c biogenesis proteins in anammox bacteria. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1267-1287.	1.7	18
90	Biosorption of diethyl phthalate ester by living and nonliving <i>Burkholderia cepacia</i> and the role of its cell surface components. <i>Chemosphere</i> , 2017, 178, 187-196.	4.2	18

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91	Assessing ecological health of mangrove ecosystems along South China Coast by the pressure-“state” response (PSR) model. <i>Ecotoxicology</i> , 2021, 30, 622-631.	1.1	18
92	Effects of bloom-forming cyanobacterial extracellular polymeric substances on the adsorption of cadmium onto kaolinite: behaviors and possible mechanisms. <i>SpringerPlus</i> , 2016, 5, 542.	1.2	17
93	Two identical copies of the hydrazine synthase gene clusters found in the genomes of anammox bacteria. <i>International Biodeterioration and Biodegradation</i> , 2018, 132, 236-240.	1.9	17
94	Linkages between anammox and denitrifying bacterial communities and nitrogen loss rates in high-elevation rivers. <i>Limnology and Oceanography</i> , 2021, 66, 765-778.	1.6	17
95	Bacterial and fungal communities in the sandstone biofilms of two famous Buddhist grottoes in China. <i>International Biodeterioration and Biodegradation</i> , 2021, 163, 105267.	1.9	17
96	Proteomic analysis of hepatic tissue of ciguatoxin (CTX) contaminated coral reef fish <i>Cephalopholis argus</i> and moray eel <i>Gymnothorax undulatus</i> . <i>Harmful Algae</i> , 2012, 13, 65-71.	2.2	16
97	Differential distribution patterns of ammonia-oxidizing archaea and bacteria in acidic soils of Nanling National Nature Reserve forests in subtropical China. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 237-251.	0.7	16
98	Nutrient limitation status in a subtropical mangrove ecosystem revealed by analysis of enzymatic stoichiometry and microbial abundance for sediment carbon cycling. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 3-10.	1.9	16
99	Redirecting marine antibiofouling innovations from sustainable horizons. <i>Trends in Ecology and Evolution</i> , 2022, 37, 469-472.	4.2	15
100	Simulation of in situ oil reservoir conditions in a laboratory bioreactor testing for methanogenic conversion of crude oil and analysis of the microbial community. <i>International Biodeterioration and Biodegradation</i> , 2019, 136, 24-33.	1.9	14
101	Seasonal Variability of Extracellular Enzymes Involved in Carbon Mineralization in Sediment of a Subtropical Mangrove Wetland. <i>Geomicrobiology Journal</i> , 2015, 32, 68-76.	1.0	13
102	Influence of mangrove roots on microbial abundance and ecoenzyme activity in sediments of a subtropical coastal mangrove ecosystem. <i>International Biodeterioration and Biodegradation</i> , 2018, 132, 10-17.	1.9	13
103	Cyanobacterial bloom mitigation by sanguinarine and its effects on aquatic microbial community structure. <i>Environmental Pollution</i> , 2019, 253, 497-506.	3.7	13
104	Nano-TiO ₂ enhances the adsorption of Cd(II) on biological soil crusts under mildly acidic conditions. <i>Journal of Contaminant Hydrology</i> , 2020, 229, 103583.	1.6	13
105	Relationship of proteomic variation and toxin synthesis in the dinoflagellate <i>Alexandrium tamarense</i> Cl01 under phosphorus and inorganic nitrogen limitation. <i>Ecotoxicology</i> , 2015, 24, 1744-1753.	1.1	12
106	Microbial reduction of CO ₂ from injected NaH ₂ CO ₃ with degradation of n-hexadecane in the enrichment culture derived from a petroleum reservoir. <i>International Biodeterioration and Biodegradation</i> , 2018, 127, 192-200.	1.9	12
107	Stochastic assembly process dominates bacterial succession during a long-term microbial enhanced oil recovery. <i>Science of the Total Environment</i> , 2021, 790, 148203.	3.9	12
108	Coastal and marine pollution and ecotoxicology. <i>Ecotoxicology</i> , 2015, 24, 1407-1410.	1.1	11

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109	Abundance and Diversity of Aerobic/Anaerobic Ammonia/Ammonium-Oxidizing Microorganisms in an Ammonium-Rich Aquitard in the Pearl River Delta of South China. <i>Microbial Ecology</i> , 2018, 76, 81-91.	1.4	11
110	Assessment of Five Electron-Shuttling Molecules in the Extracellular Electron Transfer of Electromethanogenesis by using <i>Methanosarcina barkeri</i> . <i>ChemElectroChem</i> , 2020, 7, 3783-3789.	1.7	11
111	Highly efficient removal of phosphorus from agricultural runoff by a new akadama clay barrier-vegetated drainage ditch system (VDD) and its mechanism. <i>Journal of Environmental Management</i> , 2021, 290, 112575.	3.8	11
112	Dominance of ammonia-oxidizing archaea community induced by land use change from Masson pine to eucalypt plantation in subtropical China. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6859-6869.	1.7	10
113	Seasonal and spatial variations in diversity and abundance of bacterial laccase-like genes in sediments of a subtropical mangrove ecosystem. <i>International Biodeterioration and Biodegradation</i> , 2016, 114, 260-267.	1.9	10
114	Realization of biodeterioration to cultural heritage protection in China. <i>International Biodeterioration and Biodegradation</i> , 2017, 117, 128-130.	1.9	10
115	A xylan-degrading thermophilic and obligate anaerobe <i>Xylanivirga thermophila</i> gen. nov., sp. nov., isolated from an anammox dominant wastewater treatment plant, and proposal of <i>Xylanivirgaceae</i> fam. nov.. <i>Anaerobe</i> , 2020, 61, 102075.	1.0	10
116	Diversity, Abundance, and Distribution of Wood-Decay Fungi in Major Parks of Hong Kong. <i>Forests</i> , 2020, 11, 1030.	0.9	10
117	New evidence for a hydroxylation pathway for anaerobic alkane degradation supported by analyses of functional genes and signature metabolites in oil reservoirs. <i>AMB Express</i> , 2021, 11, 18.	1.4	10
118	Characterization of Aerobic Bacteria Involved in Degrading Polyethylene Glycol (PEG)-3400 Obtained by Plating and Enrichment Culture Techniques. <i>Journal of Polymers and the Environment</i> , 2007, 15, 57-65.	2.4	9
119	A global analysis on the distribution pattern of the bacteria coupling simultaneous methane oxidation to nitrite reduction. <i>International Biodeterioration and Biodegradation</i> , 2018, 129, 123-132.	1.9	9
120	Molecular Existence and Diversity of Nitrite-Dependent Anaerobic Methane Oxidizing (n-Damo) Bacteria in the Lakes of Badain of the Gobi Desert. <i>Geomicrobiology Journal</i> , 2019, 36, 522-532.	1.0	9
121	Diversity and spatial-temporal distribution of airborne fungi at the world culture heritage site Majjishan Grottoes in China. <i>Aerobiologia</i> , 2021, 37, 681-694.	0.7	9
122	Influence of Macrofaunal Burrows on Extracellular Enzyme Activity and Microbial Abundance in Subtropical Mangrove Sediment. <i>Microbial Ecology</i> , 2018, 76, 92-101.	1.4	7
123	Nitrification mainly driven by ammonia-oxidizing bacteria and nitrite-oxidizing bacteria in an anammox-inoculated wastewater treatment system. <i>AMB Express</i> , 2021, 11, 158.	1.4	7
124	The environmental factors used in correlation analysis with microbial community of environmental and cultural heritage samples. <i>International Biodeterioration and Biodegradation</i> , 2022, 173, 105460.	1.9	7
125	Distribution, diversity and abundance of bacterial laccase-like genes in different particle size fractions of sediments in a subtropical mangrove ecosystem. <i>Ecotoxicology</i> , 2015, 24, 1508-1516.	1.1	6
126	Effects of reforestation on ammonia-oxidizing microbial community composition and abundance in subtropical acidic forest soils. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5309-5322.	1.7	6

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127	Functional dominance and community compositions of ammonia-oxidizing archaea in extremely acidic soils of natural forests. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4229-4240.	1.7	6
128	Targeted assemblies of <i>cas1</i> suggest CRISPR-Cas™s response to soil warming. <i>ISME Journal</i> , 2020, 14, 1651-1662.	4.4	6
129	High-throughput sequencing reveals the main drivers of niche-differentiation of bacterial community in the surface sediments of the northern South China sea. <i>Marine Environmental Research</i> , 2022, 178, 105641.	1.1	6
130	Archaeal Communities of South China Mangroves and Their Potential Roles in the Nitrogen Cycle. <i>Geomicrobiology Journal</i> , 2022, 39, 697-704.	1.0	5
131	Simultaneous detection of transcribed functional <i>assA</i> gene and the corresponding metabolites of linear alkanes (C4, C5, and C7) in production water of a low-temperature oil reservoir. <i>Science of the Total Environment</i> , 2020, 746, 141290.	3.9	4
132	Dominant and Active Methanogens in the Production Waters From a High-Temperature Petroleum Reservoir by DNA- and RNA-Based Analysis. <i>Geomicrobiology Journal</i> , 2021, 38, 191-198.	1.0	4
133	An Fe(II)-oxidizing consortium from Wudalianchi volcano spring in Northeast China for bioleaching of Cu and Ni from printed circuit boards (PCBs) with the dominance of <i>Acidithiobacillus</i> spp.. <i>International Biodeterioration and Biodegradation</i> , 2022, 167, 105355.	1.9	4
134	Biogeographic pattern of the <i>nirS</i> gene-targeted anammox bacterial community and composition in the northern South China Sea and a coastal Mai Po mangrove wetland. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3167-3181.	1.7	3
135	Microbiota and Biochemical Processes Involved in Biodeterioration of Cultural Heritage and Protection. , 2021, , 37-58.		3
136	Discovery of the non-cosmopolitan lineages in <i>Candidatus</i> Thermoprofundales. <i>Environmental Microbiology</i> , 2022, 24, 3063-3080.	1.8	3
137	Diversity, abundance, and distribution of anammox bacteria in shipping channel sediment of Hong Kong by analysis of DNA and RNA. <i>Ecotoxicology</i> , 2021, 30, 1705-1718.	1.1	2
138	Distribution of ammonia-oxidizing archaea and bacteria along an engineered coastal ecosystem in subtropical China. <i>Ecotoxicology</i> , 2021, 30, 1769-1779.	1.1	2
139	Shu-Pei Cheng: A life-long pursuit for Environmental Science and Pollution Control. <i>Ecotoxicology</i> , 2021, 30, 1284-1286.	1.1	1
140	To remember a passionate environmentalist. <i>Ecotoxicology</i> , 2021, 30, 1287-1289.	1.1	1
141	A brief introduction on the life of Shu-Pei Cheng. <i>Ecotoxicology</i> , 2021, 30, 1281-1283.	1.1	1
142	An international workshop on Conservation of Cultural Heritage held at the City University of Macau, China. <i>International Biodeterioration and Biodegradation</i> , 2021, 164, 105297.	1.9	1
143	Aerobic degradation and metabolite identification of the N-heterocyclic indole by the <i>Pseudomonas putida</i> strain mpyk-1 isolated from subtropical mangrove sediment. <i>Applied Environmental Biotechnology</i> , 2017, 2, 1-10.	1.0	1
144	Microbial biomass C and N dynamics, and ¹⁵ N incorporation into microbial biomass under faba bean, canola, barley, and summer fallow in a Gray Luvisol. <i>Applied Environmental Biotechnology</i> , 2017, 2, 47-58.	1.0	1

#	ARTICLE	IF	CITATIONS
145	Bacterial and Archaeal Community Distribution in Oilfield Water Re-injection Facilities and the Influences from Microorganisms in Injected Water. <i>Microbial Ecology</i> , 2021, , 1.	1.4	1
146	Perspectives on Microbial Electron Transfer Networks for Environmental Biotechnology. <i>Frontiers in Microbiology</i> , 2022, 13, 845796.	1.5	1
147	Preface. <i>Ecotoxicology</i> , 2021, 30, 1279-1280.	1.1	0
148	Biodegradability of chemically synthesized syndiotactic poly(\hat{l}^2 -[R]- hydroxybutyrate) in soil of Northeast China. <i>Applied Environmental Biotechnology</i> , 2017, 2, 43-46.	1.0	0