

Ping Han

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

2,485
citations

19
h-index

49
g-index

61
ext. papers

3,524
ext. citations

9.3
avg, IF

4.89
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 58 | Spatiotemporal Dynamics of Bacterial Taxonomic and Functional Profiles in Estuarine Intertidal Soils of China Coastal Zone.. <i>Microbial Ecology</i> , 2022 , 1 | 4.4 | 1 |
| 57 | Long-term exposure to environmental relevant triclosan induces reproductive toxicity on adult zebrafish and its potential mechanism.. <i>Science of the Total Environment</i> , 2022 , 826, 154026 | 10.2 | 0 |
| 56 | Dark carbon fixation in intertidal sediments: Controlling factors and driving microorganisms.. <i>Water Research</i> , 2022 , 216, 118381 | 12.5 | 0 |
| 55 | Community structure and abundance of comammox Nitrospira in Chongming eastern intertidal sediments. <i>Journal of Soils and Sediments</i> , 2021 , 21, 3213 | 3.4 | 2 |
| 54 | Nitrogen removal processes coupled with nitrification in coastal sediments off the north East China Sea. <i>Journal of Soils and Sediments</i> , 2021 , 21, 3289 | 3.4 | 1 |
| 53 | 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 | 12.5 | 11 |
| 52 | Marine aquaculture regulates dissimilatory nitrate reduction processes in a typical semi-enclosed bay of southeastern China. <i>Journal of Environmental Sciences</i> , 2021 , 104, 376-386 | 6.4 | 1 |
| 51 | NO and NO production by the comammox bacterium Nitrospira inopinata in comparison with canonical ammonia oxidizers. <i>Water Research</i> , 2021 , 190, 116728 | 12.5 | 13 |
| 50 | Microbial abundance and activity of nitrite/nitrate-dependent anaerobic methane oxidizers in estuarine and intertidal wetlands: Heterogeneity and driving factors. <i>Water Research</i> , 2021 , 190, 116737 | 12.5 | 9 |
| 49 | Variations of dissimilatory nitrate reduction processes along reclamation chronosequences in Chongming Island, China. <i>Soil and Tillage Research</i> , 2021 , 206, 104815 | 6.5 | 7 |
| 48 | Newly discovered Asgard archaea Hermodarchaeota potentially degrade alkanes and aromatics via alkyl/benzyl-succinate synthase and benzoyl-CoA pathway. <i>ISME Journal</i> , 2021 , 15, 1826-1843 | 11.9 | 10 |
| 47 | Effects of sulfamethoxazole on coupling of nitrogen removal with nitrification in Yangtze Estuary sediments. <i>Environmental Pollution</i> , 2021 , 271, 116382 | 9.3 | 2 |
| 46 | Impact of Soil Disinfestation on Fungal and Bacterial Communities in Soil With Cucumber Cultivation. <i>Frontiers in Microbiology</i> , 2021 , 12, 685111 | 5.7 | 0 |
| 45 | Overlooked contribution of water column to nitrogen removal in estuarine turbidity maximum zone (TMZ). <i>Science of the Total Environment</i> , 2021 , 788, 147736 | 10.2 | 2 |
| 44 | Niche adaptation strategies of different clades of comammox Nitrospira in the Yangtze Estuary. <i>International Biodeterioration and Biodegradation</i> , 2021 , 164, 105286 | 4.8 | 3 |
| 43 | Salinity gradients shape the nitrifier community composition in Nanliu River Estuary sediments and the ecophysiology of comammox Nitrospira inopinata. <i>Science of the Total Environment</i> , 2021 , 795, 148768 | 10.2 | 1 |
| 42 | Crab bioturbation alters nitrogen cycling and promotes nitrous oxide emission in intertidal wetlands: Influence and microbial mechanism. <i>Science of the Total Environment</i> , 2021 , 797, 149176 | 10.2 | 4 |

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| 41 | Tryptophan 2,3-dioxygenase 2 plays a key role in regulating the activation of fibroblast-like synoviocytes in autoimmune arthritis.. <i>British Journal of Pharmacology</i> , 2021 , | 8.6 | 1 |
| 40 | Community dynamics and activity of nirS-harboring denitrifiers in sediments of the Indus River Estuary. <i>Marine Pollution Bulletin</i> , 2020 , 153, 110971 | 6.7 | 6 |
| 39 | SNP discovery of <i>Camellia oleifera</i> based on RNA-seq and its application for identification of genetic relationships and locus for oil content among different cultivars. <i>Journal of Horticultural Science and Biotechnology</i> , 2020 , 95, 687-702 | 1.9 | |
| 38 | Tolerogenic Dendritic Cells Generated by BAFF Silencing Ameliorate Collagen-Induced Arthritis by Modulating the Th17/Regulatory T Cell Balance. <i>Journal of Immunology</i> , 2020 , 204, 518-530 | 5.3 | 5 |
| 37 | Distribution and Diversity of Comammox in Coastal Wetlands of China. <i>Frontiers in Microbiology</i> , 2020 , 11, 589268 | 5.7 | 18 |
| 36 | Mechanisms responsible for NO emissions from intertidal soils of the Yangtze Estuary. <i>Science of the Total Environment</i> , 2020 , 716, 137073 | 10.2 | 9 |
| 35 | N-acyl-homoserine lactones (AHLs) in intertidal marsh: diversity and potential role in nitrogen cycling. <i>Plant and Soil</i> , 2020 , 454, 103-119 | 4.2 | 3 |
| 34 | Anaerobic ammonium oxidation (anammox) bacterial diversity, abundance, and activity in sediments of the Indus Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2020 , 243, 106925 | 2.9 | 4 |
| 33 | Denitrifying anaerobic methane oxidation in intertidal marsh soils: Occurrence and environmental significance. <i>Geoderma</i> , 2020 , 357, 113943 | 6.7 | 23 |
| 32 | Expansion of Thaumarchaeota habitat range is correlated with horizontal transfer of ATPase operons. <i>ISME Journal</i> , 2019 , 13, 3067-3079 | 11.9 | 32 |
| 31 | Effects of shrimp-aquaculture reclamation on sediment nitrate dissimilatory reduction processes in a coastal wetland of southeastern China. <i>Environmental Pollution</i> , 2019 , 255, 113219 | 9.3 | 12 |
| 30 | Comparative transcriptomic analysis of high- and low-oil reveals a coordinated mechanism for the regulation of upstream and downstream multigenes for high oleic acid accumulation. <i>3 Biotech</i> , 2019 , 9, 257 | 2.8 | 9 |
| 29 | Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. <i>Water Research</i> , 2019 , 159, 444-453 | 12.5 | 42 |
| 28 | Coupling of denitrification and anaerobic ammonium oxidation with nitrification in sediments of the Yangtze Estuary: Importance and controlling factors. <i>Estuarine, Coastal and Shelf Science</i> , 2019 , 220, 64-72 | 2.9 | 15 |
| 27 | Two cyp17 genes perform different functions in the sex hormone biosynthesis and gonadal differentiation in Japanese flounder (<i>Paralichthys olivaceus</i>). <i>Gene</i> , 2019 , 702, 17-26 | 3.8 | 5 |
| 26 | Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium. <i>Environmental Science & Technology</i> , 2019 , 53, 8695-8705 | 10.3 | 31 |
| 25 | Exotic <i>Spartina alterniflora</i> invasion alters soil nitrous oxide emission dynamics in a coastal wetland of China. <i>Plant and Soil</i> , 2019 , 442, 233-246 | 4.2 | 9 |
| 24 | Treated Wastewater Changes the Export of Dissolved Inorganic Carbon and Its Isotopic Composition and Leads to Acidification in Coastal Oceans. <i>Environmental Science & Technology</i> , 2018 , 52, 5590-5599 | 10.3 | 24 |

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| 23 | Ammonia Monooxygenase-Mediated Cometary Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. <i>Environmental Science & Technology</i> , 2018 , 52, 9196-9205 | 10.3 | 36 |
| 22 | Evidence for complete nitrification in enrichment culture of tidal sediments and diversity analysis of clade a comammox Nitrospira in natural environments. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 9363-9377 | 5.7 | 36 |
| 21 | BioSankey: Visualization of Microbial Communities Over Time. <i>Journal of Integrative Bioinformatics</i> , 2018 , 15, | 3.8 | 5 |
| 20 | Abiotic Conversion of Extracellular NHOH Contributes to NO Emission during Ammonia Oxidation. <i>Environmental Science & Technology</i> , 2017 , 51, 13122-13132 | 10.3 | 73 |
| 19 | Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. <i>Nature</i> , 2017 , 549, 269-272 | 50.4 | 349 |
| 18 | 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 | 5.7 | 15 |
| 17 | Effects of aerobic respiration and nitrification on dissolved inorganic nitrogen and carbon dioxide in human-perturbed eastern Jiaozhou Bay, China. <i>Marine Pollution Bulletin</i> , 2017 , 124, 449-458 | 6.7 | 6 |
| 16 | Ammonia-oxidising archaea living at low pH: Insights from comparative genomics. <i>Environmental Microbiology</i> , 2017 , 19, 4939-4952 | 5.2 | 57 |
| 15 | Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon Nitrososphaera gargensis. <i>Environmental Science & Technology</i> , 2016 , 50, 4682-92 | 10.3 | 47 |
| 14 | Cyanate as an energy source for nitrifiers. <i>Nature</i> , 2015 , 524, 105-8 | 50.4 | 160 |
| 13 | 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 | 2.5 | 24 |
| 12 | Microbial community of nitrogen-converting bacteria in anammox granular sludge. <i>International Biodeterioration and Biodegradation</i> , 2015 , 103, 105-115 | 4.8 | 29 |
| 11 | Complete nitrification by Nitrospira bacteria. <i>Nature</i> , 2015 , 528, 504-9 | 50.4 | 1148 |
| 10 | 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 | 5.7 | 18 |
| 9 | New PCR primers based on mcrA gene for retrieving more anaerobic methanotrophic archaea from coastal reedbed sediments. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 4663-70 | 5.7 | 6 |
| 8 | More refined diversity of anammox bacteria recovered and distribution in different ecosystems. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 3653-63 | 5.7 | 42 |
| 7 | A comparison of two 16S rRNA gene-based PCR primer sets in unraveling anammox bacteria from different environmental samples. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 10521-9 | 5.7 | 32 |
| 6 | A newly designed degenerate PCR primer based on pmoA gene for detection of nitrite-dependent anaerobic methane-oxidizing bacteria from different ecological niches. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 10155-62 | 5.7 | 45 |

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| 5 | Biases in community structures of ammonia/ammonium-oxidizing microorganisms caused by insufficient DNA extractions from Baijiang soil revealed by comparative analysis of coastal wetland sediment and rice paddy soil. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 8741-56 | 5.7 | 15 |
| 4 | Enantioselective degradation and unidirectional chiral inversion of 2-phenylbutyric acid, an intermediate from linear alkylbenzene, by <i>Xanthobacter flavus</i> PA1. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1633-40 | 12.8 | 5 |
| 3 | A case study on chemical defense based on quorum sensing: antibacterial activity of sponge-associated bacterium <i>Pseudoalteromonas</i> sp. NJ6-3-1 induced by quorum sensing mechanisms. <i>Annals of Microbiology</i> , 2011 , 61, 247-255 | 3.2 | 20 |
| 2 | Novel Asgard archaea phylum Hermodarchaeota degrade alkanes and aromatics via alkyl/benzyl-succinate synthase and benzoyl-CoA pathway | | 1 |
| 1 | Saltwater incursion regulates N ₂ O emission pathways and potential nitrification and denitrification in intertidal wetland. <i>Biology and Fertility of Soils</i> , 1 | 6.1 | 1 |