Ping Han

List of Publications by Citations

58	2,485	19	49
papers	citations	h-index	g-index
61	3,524	9.3	4.89
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
58	Complete nitrification by Nitrospira bacteria. *Nature*, **2015**, 528, 504-9	50.4	1148
57	Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. *Nature*, **2017**, 549, 269-272	50.4	349
56	Cyanate as an energy source for nitrifiers. *Nature*, **2015**, 524, 105-8	50.4	160
55	Abiotic Conversion of Extracellular NHOH Contributes to NO Emission during Ammonia Oxidation. *Environmental Science & Technology*, **2017**, 51, 13122-13132	10.3	73
54	Ammonia-oxidising archaea living at low pH: Insights from comparative genomics. *Environmental Microbiology*, **2017**, 19, 4939-4952	5.2	57
53	Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon Nitrososphaera gargensis. *Environmental Science & Technology*, **2016**, 50, 4682-92	10.3	47
52	A newly designed degenerate PCR primer based on pmoA gene for detection of nitrite-dependent anaerobic methane-oxidizing bacteria from different ecological niches. *Applied Microbiology and Biotechnology*, **2013**, 97, 10155-62	5.7	45
51	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. *Water Research*, **2019**, 159, 444-453	12.5	42
50	More refined diversity of anammox bacteria recovered and distribution in different ecosystems. *Applied Microbiology and Biotechnology*, **2013**, 97, 3653-63	5.7	42
49	Ammonia Monooxygenase-Mediated Cometabolic Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. *Environmental Science & Technology*, **2018**, 52, 9196-9205	10.3	36
48	Evidence for complete nitrification in enrichment culture of tidal sediments and diversity analysis of clade a comammox Nitrospira in natural environments. *Applied Microbiology and Biotechnology*, **2018**, 102, 9363-9377	5.7	36
47	Expansion of Thaumarchaeota habitat range is correlated with horizontal transfer of ATPase operons. *ISME Journal*, **2019**, 13, 3067-3079	11.9	32
46	A comparison of two 16S rRNA gene-based PCR primer sets in unraveling anammox bacteria from different environmental samples. *Applied Microbiology and Biotechnology*, **2013**, 97, 10521-9	5.7	32
45	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium. *Environmental Science & Technology*, **2019**, 53, 8695-8705	10.3	31
44	Microbial community of nitrogen-converting bacteria in anammox granular sludge. *International Biodeterioration and Biodegradation*, **2015**, 103, 105-115	4.8	29
43	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. *Geomicrobiology Journal*, **2015**, 32, 789-798	2.5	24
42	Treated Wastewater Changes the Export of Dissolved Inorganic Carbon and Its Isotopic Composition and Leads to Acidification in Coastal Oceans. *Environmental Science & Technology*, **2018**, 52, 5590-5599	10.3	24

41	Denitrifying anaerobic methane oxidation in intertidal marsh soils: Occurrence and environmental significance. *Geoderma*, **2020**, 357, 113943	6.7	23
40	A case study on chemical defense based on quorum sensing: antibacterial activity of sponge-associated bacterium Pseudoalteromonas sp. NJ6-3-1 induced by quorum sensing mechanisms. *Annals of Microbiology*, **2011**, 61, 247-255	3.2	20
39	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. *Frontiers in Microbiology*, **2014**, 5, 789	5.7	18
38	Distribution and Diversity of Comammox in Coastal Wetlands of China. *Frontiers in Microbiology*, **2020**, 11, 589268	5.7	18
37	Coupling of denitrification and anaerobic ammonium oxidation with nitrification in sediments of the Yangtze Estuary: Importance and controlling factors. *Estuarine, Coastal and Shelf Science*, **2019**, 220, 64-72	2.9	15
36	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. *Applied Microbiology and Biotechnology*, **2013**, 97, 8741-56	5.7	15
35	Assessment of molecular detection of anaerobic ammonium-oxidizing (anammox) bacteria in different environmental samples using PCR primers based on 16S rRNA and functional genes. *Applied Microbiology and Biotechnology*, **2017**, 101, 7689-7702	5.7	15
34	NO and NO production by the comammox bacterium Nitrospira inopinata in comparison with canonical ammonia oxidizers. *Water Research*, **2021**, 190, 116728	12.5	13
33	Effects of shrimp-aquaculture reclamation on sediment nitrate dissimilatory reduction processes in a coastal wetland of southeastern China. *Environmental Pollution*, **2019**, 255, 113219	9.3	12
32	Biotransformation of lincomycin and fluoroquinolone antibiotics by the ammonia oxidizers AOA, AOB and comammox: A comparison of removal, pathways, and mechanisms. *Water Research*, **2021**, 196, 117003	12.5	11
31	Newly discovered Asgard archaea Hermodarchaeota potentially degrade alkanes and aromatics via alkyl/benzyl-succinate synthase and benzoyl-CoA pathway. *ISME Journal*, **2021**, 15, 1826-1843	11.9	10
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. *3 Biotech*, **2019**, 9, 257	2.8	9
29	Exotic Spartina alterniflora invasion alters soil nitrous oxide emission dynamics in a coastal wetland of China. *Plant and Soil*, **2019**, 442, 233-246	4.2	9
28	Mechanisms responsible for NO emissions from intertidal soils of the Yangtze Estuary. *Science of the Total Environment*, **2020**, 716, 137073	10.2	9
27	Microbial abundance and activity of nitrite/nitrate-dependent anaerobic methane oxidizers in estuarine and intertidal wetlands: Heterogeneity and driving factors. *Water Research*, **2021**, 190, 116737	12.5	9
26	Variations of dissimilatory nitrate reduction processes along reclamation chronosequences in Chongming Island, China. *Soil and Tillage Research*, **2021**, 206, 104815	6.5	7
25	Community dynamics and activity of nirS-harboring denitrifiers in sediments of the Indus River Estuary. *Marine Pollution Bulletin*, **2020**, 153, 110971	6.7	6
24	New PCR primers based on mcrA gene for retrieving more anaerobic methanotrophic archaea from coastal reedbed sediments. *Applied Microbiology and Biotechnology*, **2014**, 98, 4663-70	5.7	6

23	Effects of aerobic respiration and nitrification on dissolved inorganic nitrogen and carbon dioxide in human-perturbed eastern Jiaozhou Bay, China. *Marine Pollution Bulletin*, **2017**, 124, 449-458	6.7	6
22	Two cyp17 genes perform different functions in the sex hormone biosynthesis and gonadal differentiation in Japanese flounder (Paralichthys olivaceus). *Gene*, **2019**, 702, 17-26	3.8	5
21	BioSankey: Visualization of Microbial Communities Over Time. *Journal of Integrative Bioinformatics*, **2018**, 15,	3.8	5
20	Enantioselective degradation and unidirectional chiral inversion of 2-phenylbutyric acid, an intermediate from linear alkylbenzene, by Xanthobacter flavus PA1. *Journal of Hazardous Materials*, **2011**, 192, 1633-40	12.8	5
19	Tolerogenic Dendritic Cells Generated by BAFF Silencing Ameliorate Collagen-Induced Arthritis by Modulating the Th17/Regulatory T Cell Balance. *Journal of Immunology*, **2020**, 204, 518-530	5.3	5
18	Anaerobic ammonium oxidation (anammox) bacterial diversity, abundance, and activity in sediments of the Indus Estuary. *Estuarine, Coastal and Shelf Science*, **2020**, 243, 106925	2.9	4
17	Crab bioturbation alters nitrogen cycling and promotes nitrous oxide emission in intertidal wetlands: Influence and microbial mechanism. *Science of the Total Environment*, **2021**, 797, 149176	10.2	4
16	N-acyl-homoserine lactones (AHLs) in intertidal marsh: diversity and potential role in nitrogen cycling. *Plant and Soil*, **2020**, 454, 103-119	4.2	3
15	Niche adaptation strategies of different clades of comammox Nitrospira in the Yangtze Estuary. *International Biodeterioration and Biodegradation*, **2021**, 164, 105286	4.8	3
14	Community structure and abundance of comammox Nitrospira in Chongming eastern intertidal sediments. *Journal of Soils and Sediments*, **2021**, 21, 3213	3.4	2
13	Effects of sulfamethoxazole on coupling of nitrogen removal with nitrification in Yangtze Estuary sediments. *Environmental Pollution*, **2021**, 271, 116382	9.3	2
12	Overlooked contribution of water column to nitrogen removal in estuarine turbidity maximum zone (TMZ). *Science of the Total Environment*, **2021**, 788, 147736	10.2	2
11	Novel Asgard archaea phylum Hermodarchaeota degrade alkanes and aromatics via alkyl/benzyl-succinate synthase and benzoyl-CoA pathway		1
10	Nitrogen removal processes coupled with nitrification in coastal sediments off the north East China Sea. *Journal of Soils and Sediments*, **2021**, 21, 3289	3.4	1
9	Marine aquaculture regulates dissimilatory nitrate reduction processes in a typical semi-enclosed bay of southeastern China. *Journal of Environmental Sciences*, **2021**, 104, 376-386	6.4	1
8	Salinity gradients shape the nitrifier community composition in Nanliu River Estuary sediments and the ecophysiology of comammox Nitrospira inopinata. *Science of the Total Environment*, **2021**, 795, 148768	10.2	1
7	Saltwater incursion regulates N2O emission pathways and potential nitrification and denitrification in intertidal wetland. *Biology and Fertility of Soils*,1	6.1	1
6	Spatiotemporal Dynamics of Bacterial Taxonomic and Functional Profiles in Estuarine Intertidal Soils of China Coastal Zone.. *Microbial Ecology*, **2022**, 1	4.4	1

5	Tryptophan 2,3-dioxygenase 2 plays a key role in regulating the activation of fibroblast-like synoviocytes in autoimmune arthritis.. *British Journal of Pharmacology*, **2021**,	8.6	1
4	Impact of Soil Disinfestation on Fungal and Bacterial Communities in Soil With Cucumber Cultivation. *Frontiers in Microbiology*, **2021**, 12, 685111	5.7	0
3	Long-term exposure to environmental relevant triclosan induces reproductive toxicity on adult zebrafish and its potential mechanism.. *Science of the Total Environment*, **2022**, 826, 154026	10.2	0
2	Dark carbon fixation in intertidal sediments: Controlling factors and driving microorganisms.. *Water Research*, **2022**, 216, 118381	12.5	0
1	SNP discovery of Camellia oleifera based on RNA-seq and its application for identification of genetic relationships and locus for oil content among different cultivars. *Journal of Horticultural Science and Biotechnology*, **2020**, 95, 687-702	1.9	