

# Ping Han

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

4,300  
citations

236612

25  
h-index

133063

59  
g-index

61  
all docs

61  
docs citations

61  
times ranked

3996  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete nitrification by <i>Nitrospira</i> bacteria. <i>Nature</i> , 2015, 528, 504-509.	13.7	1,878
2	Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. <i>Nature</i> , 2017, 549, 269-272.	13.7	588
3	Cyanate as an energy source for nitrifiers. <i>Nature</i> , 2015, 524, 105-108.	13.7	231
4	Ammonia-oxidising archaea living at low pH: Insights from comparative genomics. <i>Environmental Microbiology</i> , 2017, 19, 4939-4952.	1.8	107
5	Abiotic Conversion of Extracellular NH <sub>2</sub> OH Contributes to N <sub>2</sub> O Emission during Ammonia Oxidation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13122-13132.	4.6	104
6	Cometabolic biotransformation and microbial-mediated abiotic transformation of sulfonamides by three ammonia oxidizers. <i>Water Research</i> , 2019, 159, 444-453.	5.3	83
7	Biotransformation of Two Pharmaceuticals by the Ammonia-Oxidizing Archaeon <i>Nitrososphaera gargensis</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 4682-4692.	4.6	68
8	Ammonia Monooxygenase-Mediated Cometabolic Biotransformation and Hydroxylamine-Mediated Abiotic Transformation of Micropollutants in an AOB/NOB Coculture. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9196-9205.	4.6	68
9	Expansion of <i>Thaumarchaeota</i> habitat range is correlated with horizontal transfer of ATPase operons. <i>ISME Journal</i> , 2019, 13, 3067-3079.	4.4	59
10	Evidence for complete nitrification in enrichment culture of tidal sediments and diversity analysis of clade a comammox <i>Nitrospira</i> in natural environments. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9363-9377.	1.7	57
11	Distribution and Diversity of Comammox <i>Nitrospira</i> in Coastal Wetlands of China. <i>Frontiers in Microbiology</i> , 2020, 11, 589268.	1.5	57
12	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, 10155-10162.	1.7	54
13	Denitrifying anaerobic methane oxidation in intertidal marsh soils: Occurrence and environmental significance. <i>Geoderma</i> , 2020, 357, 113943.	2.3	52
14	N <sub>2</sub> O and NO <sub>y</sub> production by the comammox bacterium <i>Nitrospira inopinata</i> in comparison with canonical ammonia oxidizers. <i>Water Research</i> , 2021, 190, 116728.	5.3	50
15	More refined diversity of anammox bacteria recovered and distribution in different ecosystems. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3653-3663.	1.7	47
16	Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium <i>Nitrospira inopinata</i> . <i>Environmental Science &amp; Technology</i> , 2019, 53, 8695-8705.	4.6	46
17	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.	5.3	42
18	Newly discovered Asgard archaea <i>Hermodarchaeota</i> potentially degrade alkanes and aromatics via alkyl/benzyl-succinate synthase and benzoyl-CoA pathway. <i>ISME Journal</i> , 2021, 15, 1826-1843.	4.4	40

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19	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.	3.7	39
20	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, 10521-10529.	1.7	36
21	Treated Wastewater Changes the Export of Dissolved Inorganic Carbon and Its Isotopic Composition and Leads to Acidification in Coastal Oceans. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5590-5599.	4.6	35
22	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
23	Microbial community of nitrogen-converting bacteria in anammox granular sludge. <i>International Biodeterioration and Biodegradation</i> , 2015, 103, 105-115.	1.9	31
24	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
25	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.	1.1	28
26	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 <i>mcrA</i> and <i>pmoA</i> genes. <i>Frontiers in Microbiology</i> , 2014, 5, 789.	1.5	27
27	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.	1.8	24
28	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.	3.9	24
29	Comparative transcriptomic analysis of high- and low-oil <i>Camellia oleifera</i> reveals a coordinated mechanism for the regulation of upstream and downstream multigenes for high oleic acid accumulation. <i>3 Biotech</i> , 2019, 9, 257.	1.1	23
30	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
31	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
32	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.	0.9	21
33	Mechanisms responsible for N <sub>2</sub> O emissions from intertidal soils of the Yangtze Estuary. <i>Science of the Total Environment</i> , 2020, 716, 137073.	3.9	20
34	Niche adaptation strategies of different clades of comammox <i>Nitrospira</i> in the Yangtze Estuary. <i>International Biodeterioration and Biodegradation</i> , 2021, 164, 105286.	1.9	19
35	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, 8741-8756.	1.7	18
36	Dark carbon fixation in intertidal sediments: Controlling factors and driving microorganisms. <i>Water Research</i> , 2022, 216, 118381.	5.3	18

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37	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.	3.9	16
38	Spatiotemporal Dynamics of Bacterial Taxonomic and Functional Profiles in Estuarine Intertidal Soils of China Coastal Zone. <i>Microbial Ecology</i> , 2023, 85, 383-399.	1.4	15
39	Overlooked contribution of water column to nitrogen removal in estuarine turbidity maximum zone (TMZ). <i>Science of the Total Environment</i> , 2021, 788, 147736.	3.9	13
40	<i>BioSankey</i> : Visualization of Microbial Communities Over Time. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, .	1.0	12
41	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.	0.4	12
42	Community dynamics and activity of nirS-harboring denitrifiers in sediments of the Indus River Estuary. <i>Marine Pollution Bulletin</i> , 2020, 153, 110971.	2.3	12
43	Saltwater incursion regulates N <sub>2</sub> O emission pathways and potential nitrification and denitrification in intertidal wetland. <i>Biology and Fertility of Soils</i> , 2023, 59, 541-553.	2.3	12
44	Expanding the phylogenetic distribution of cytochrome <i>b</i> -containing methanogenic archaea sheds light on the evolution of methanogenesis. <i>ISME Journal</i> , 2022, 16, 2373-2387.	4.4	12
45	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.	0.9	11
46	Effects of sulfamethoxazole on coupling of nitrogen removal with nitrification in Yangtze Estuary sediments. <i>Environmental Pollution</i> , 2021, 271, 116382.	3.7	10
47	Variations of dissimilatory nitrate reduction processes along reclamation chronosequences in Chongming Island, China. <i>Soil and Tillage Research</i> , 2021, 206, 104815.	2.6	9
48	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, 4663-4670.	1.7	8
49	N-acyl-homoserine lactones (AHLs) in intertidal marsh: diversity and potential role in nitrogen cycling. <i>Plant and Soil</i> , 2020, 454, 103-119.	1.8	8
50	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.	1.0	7
51	Community structure and abundance of comammox <i>Nitrospira</i> in Chongming eastern intertidal sediments. <i>Journal of Soils and Sediments</i> , 2021, 21, 3213-3224.	1.5	7
52	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> , 2022, 179, 3024-3042.	2.7	7
53	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, 1633-1640.	6.5	6
54	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.	2.3	6

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55	Nitrogen removal processes coupled with nitrification in coastal sediments off the north East China Sea. <i>Journal of Soils and Sediments</i> , 2021, 21, 3289-3299.	1.5	6
56	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.	3.2	4
57	Impact of Soil Disinfestation on Fungal and Bacterial Communities in Soil With Cucumber Cultivation. <i>Frontiers in Microbiology</i> , 2021, 12, 685111.	1.5	2
58	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.	0.9	1