

# Yinzhao Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

785  
citations

623734

14  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding anaerobic alkane metabolism in the domain of Archaea. <i>Nature Microbiology</i> , 2019, 4, 595-602.	13.3	133
2	Origin of microbial biomineralization and magnetotaxis during the Archean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2171-2176.	7.1	98
3	Microbial succession during the transition from active to inactive stages of deep-sea hydrothermal vent sulfide chimneys. <i>Microbiome</i> , 2020, 8, 102.	11.1	62
4	Diversity and distribution of viruses inhabiting the deepest ocean on Earth. <i>ISME Journal</i> , 2021, 15, 3094-3110.	9.8	55
5	High Diversity of Magnetotactic Deltaproteobacteria in a Freshwater Niche. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2813-2817.	3.1	53
6	Methyl/alkyl-coenzyme M reductase-based anaerobic alkane oxidation in archaea. <i>Environmental Microbiology</i> , 2021, 23, 530-541.	3.8	49
7	Genomic and enzymatic evidence of acetogenesis by anaerobic methanotrophic archaea. <i>Nature Communications</i> , 2020, 11, 3941.	12.8	45
8	Controlled cobalt doping in the spinel structure of magnetosome magnetite: new evidences from element- and site-specific X-ray magnetic circular dichroism analyses. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160355.	3.4	36
9	Phylogenetic and Structural Identification of a Novel Magnetotactic <i>Deltaproteobacteria</i> Strain, WYHR-1, from a Freshwater Lake. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	35
10	A methylotrophic origin of methanogenesis and early divergence of anaerobic multicarbon alkane metabolism. <i>Science Advances</i> , 2021, 7, .	10.3	33
11	Metal-dependent anaerobic methane oxidation in marine sediment: Insights from marine settings and other systems. <i>Science China Life Sciences</i> , 2019, 62, 1287-1295.	4.9	25
12	Diverse anaerobic methane- and multi-carbon alkane-metabolizing archaea coexist and show activity in Guaymas Basin hydrothermal sediment. <i>Environmental Microbiology</i> , 2019, 21, 1344-1355.	3.8	25
13	A methylotrophic origin of methanogenesis and early divergence of anaerobic multicarbon alkane metabolism. <i>Science Advances</i> , 2021, 7, .	10.3	24
14	Expanding Asgard members in the domain of Archaea sheds new light on the origin of eukaryotes. <i>Science China Life Sciences</i> , 2022, 65, 818-829.	4.9	18
15	The origin and impeded dissemination of the DNA phosphorothioation system in prokaryotes. <i>Nature Communications</i> , 2021, 12, 6382.	12.8	14
16	Changes of cell growth and magnetosome biomineralization in <i>Magnetospirillum magneticum</i> AMB-1 after ultraviolet-B irradiation. <i>Frontiers in Microbiology</i> , 2013, 4, 397.	3.5	12
17	Characterizing and optimizing magnetosome production of <i>Magnetospirillum</i> sp. XM-1 isolated from Xi'an City Moat, China. <i>FEMS Microbiology Letters</i> , 2015, 362, fmv167.	1.8	12
18	Identification of a functional toxin-antitoxin system located in the genomic island PYG1 of piezophilic hyperthermophilic archaeon <i>Pyrococcus yayanosii</i> . <i>Extremophiles</i> , 2018, 22, 347-357.	2.3	12

#	ARTICLE	IF	CITATIONS
19	Genomic evidence of the illumination response mechanism and evolutionary history of magnetotactic bacteria within the Rhodospirillaceae family. BMC Genomics, 2019, 20, 407.	2.8	8
20	Identification and Genomic Characterization of Two Previously Unknown Magnetotactic Nitrospirae. Frontiers in Microbiology, 2021, 12, 690052.	3.5	7
21	New approaches for archaeal genome-guided cultivation. Science China Earth Sciences, 2021, 64, 1658-1673.	5.2	7
22	Complete Genome Sequence of <i>Magnetospirillum</i> sp. Strain XM-1, Isolated from the Xi'an City Moat, China. Genome Announcements, 2016, 4, .	0.8	6
23	The late Archaean to early Proterozoic origin and evolution of anaerobic methane-oxidizing archaea. , 2022, 1, 96-100.		6
24	Potential metabolic and genetic interaction among viruses, methanogen and methanotrophic archaea, and their syntrophic partners. ISME Communications, 2022, 2, .	4.2	5
25	Reply to Wang and Chen: An ancient origin of magnetotactic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5019-E5020.	7.1	3
26	Draft Genome Sequences of Four Bacterial Strains Isolated from Sediment of the South China Sea. Microbiology Resource Announcements, 2022, 11, e0019122.	0.6	2