

Wei-Jia Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

652
citations

687363

13
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Proliferation of hydrocarbon-degrading microbes at the bottom of the Mariana Trench. <i>Microbiome</i> , 2019, 7, 47.	11.1	128
2	Comparative genomic analysis provides insights into the evolution and niche adaptation of marine <i>Magnetospira</i> sp. QH strain. <i>Environmental Microbiology</i> , 2014, 16, 525-544.	3.8	66
3	A novel genus of multicellular magnetotactic prokaryotes from the Yellow Sea. <i>Environmental Microbiology</i> , 2012, 14, 405-413.	3.8	64
4	The chimeric nature of the genomes of marine magnetotactic coccoid ovoid bacteria defines a novel group of <i>Planorotobacteria</i> . <i>Environmental Microbiology</i> , 2017, 19, 1103-1119.	3.8	60
5	Swimming behaviour and magnetotaxis function of the marine bacterium strain MO-1. <i>Environmental Microbiology Reports</i> , 2014, 6, 14-20.	2.4	34
6	High Hydrostatic Pressure Inducible Trimethylamine N-Oxide Reductase Improves the Pressure Tolerance of Piezosensitive Bacteria <i>Vibrio fluvialis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2646.	3.5	33
7	Architecture of a flagellar apparatus in the fast-swimming magnetotactic bacterium MO-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20643-20648.	7.1	29
8	Bacterial community structure and novel species of magnetotactic bacteria in sediments from a seamount in the Mariana volcanic arc. <i>Scientific Reports</i> , 2017, 7, 17964.	3.3	29
9	Complex Spatial Organization and Flagellin Composition of Flagellar Propeller from Marine Magnetotactic Ovoid Strain MO-1. <i>Journal of Molecular Biology</i> , 2012, 416, 558-570.	4.2	27
10	Configuration of redox gradient determines magnetotactic polarity of the marine bacteria MO-1. <i>Environmental Microbiology Reports</i> , 2010, 2, 646-650.	2.4	25
11	Ultrastructure of ellipsoidal magnetotactic multicellular prokaryotes depicts their complex assemblage and cellular polarity in the context of magnetotaxis. <i>Environmental Microbiology</i> , 2017, 19, 2151-2163.	3.8	22
12	Calcium ion-mediated assembly and function of glycosylated flagellar sheath of marine magnetotactic bacterium. <i>Molecular Microbiology</i> , 2010, 78, 1304-1312.	2.5	19
13	Genomic and physiological analysis reveals versatile metabolic capacity of deep-sea <i>Photobacterium phosphoreum</i> ANT-2200. <i>Extremophiles</i> , 2016, 20, 301-310.	2.3	18
14	Flagella and Swimming Behavior of Marine Magnetotactic Bacteria. <i>Biomolecules</i> , 2020, 10, 460.	4.0	14
15	Analysis of the Antigenic Properties of Membrane Proteins of <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2019, 9, 3042.	3.3	13
16	Complete genome sequence of <i>Shewanella benthica</i> DB21MT-2, an obligate piezophilic bacterium isolated from the deepest Mariana Trench sediment. <i>Marine Genomics</i> , 2019, 44, 52-56.	1.1	12
17	<i>Crassaminicella thermophila</i> sp. nov., a moderately thermophilic bacterium isolated from a deep-sea hydrothermal vent chimney and emended description of the genus <i>Crassaminicella</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	12
18	Pressure-Regulated Gene Expression and Enzymatic Activity of the Two Periplasmic Nitrate Reductases in the Deep-Sea Bacterium <i>Shewanella piezotolerans</i> WP3. <i>Frontiers in Microbiology</i> , 2018, 9, 3173.	3.5	9

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19	<i>Thermococcus aciditolerans</i> sp. nov., a piezotolerant, hyperthermophilic archaeon isolated from a deep-sea hydrothermal vent chimney in the Southwest Indian Ridge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	9
20	Measurement of Free-Swimming Motility and Magnetotactic Behavior of <i>Magnetococcus massalia</i> Strain MO-1. <i>Methods in Molecular Biology</i> , 2017, 1593, 305-320.	0.9	7
21	Resazurin as an indicator of reducing capacity for analyzing the physiologic status of deep-sea bacterium <i>Photobacterium phosphoreum</i> ANT-2200. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 297-305.	1.3	5
22	Genome analysis of <i>Crassaminicella</i> sp. SY095, an anaerobic mesophilic marine bacterium isolated from a deep-sea hydrothermal vent on the Southwest Indian Ridge. <i>Marine Genomics</i> , 2020, 52, 100733.	1.1	4
23	Comparative genomic analysis of obligately piezophilic <i>Moritella yayanosii</i> DB21MT-5 reveals bacterial adaptation to the Challenger Deep, Mariana Trench. <i>Microbial Genomics</i> , 2021, 7, .	2.0	4
24	Metagenomic analysis reveals wide distribution of phototrophic bacteria in hydrothermal vents on the ultraslow-spreading Southwest Indian Ridge. <i>Marine Life Science and Technology</i> , 2022, 4, 255-267.	4.6	4
25	Distinct influence of trimethylamine N-oxide and high hydrostatic pressure on community structure and culturable deep-sea bacteria. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 364-377.	1.3	3
26	Complete genome sequence of <i>Crassaminicella</i> sp. 143-2114E isolated from a deep-sea hydrothermal vent. <i>Marine Genomics</i> , 2021, 62, 100899.	1.1	2