

Jinhua Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7957828/publications.pdf>

Version: 2024-02-01

72
papers

2,518
citations

172457

29
h-index

214800

47
g-index

74
all docs

74
docs citations

74
times ranked

2052
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular Ca-carbonate biomineralization is widespread in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10933-10938.	7.1	221
2	Resolving the Origin of Pseudo-€Single Domain Magnetic Behavior. Journal of Geophysical Research: Solid Earth, 2017, 122, 9534-9558.	3.4	145
3	The link between biomineralization and fossilization of bacteria: Insights from field and experimental studies. Chemical Geology, 2013, 359, 49-69.	3.3	118
4	Biomineralization, crystallography and magnetic properties of bullet-shaped magnetite magnetosomes in giant rod magnetotactic bacteria. Earth and Planetary Science Letters, 2010, 293, 368-376.	4.4	92
5	Isolation and characterization of a marine magnetotactic spirillum axenic culture QH-2 from an intertidal zone of the China Sea. Research in Microbiology, 2010, 161, 276-283.	2.1	90
6	Magnetite magnetosome and fragmental chain formation of <i>Magnetospirillum magneticum</i> AMB-1: transmission electron microscopy and magnetic observations. Geophysical Journal International, 2009, 177, 33-42.	2.4	80
7	Magnetic anisotropy, magnetostatic interactions and identification of magnetofossils. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	78
8	Newly Isolated but Uncultivated Magnetotactic Bacterium of the Phylum Nitrospirae from Beijing, China. Applied and Environmental Microbiology, 2012, 78, 668-675.	3.1	71
9	Widespread occurrence of silicate-hosted magnetic mineral inclusions in marine sediments and their contribution to paleomagnetic recording. Journal of Geophysical Research: Solid Earth, 2016, 121, 8415-8431.	3.4	65
10	Magnetic domain state diagnosis using hysteresis reversal curves. Journal of Geophysical Research: Solid Earth, 2017, 122, 4767-4789.	3.4	65
11	Deletion of the <i>ftsZ</i> -Like Gene Results in the Production of Superparamagnetic Magnetite Magnetosomes in <i>Magnetospirillum gryphiswaldense</i> . Journal of Bacteriology, 2010, 192, 1097-1105.	2.2	59
12	Diversity analysis of magnetotactic bacteria in Lake Miyun, northern China, by restriction fragment length polymorphism. Systematic and Applied Microbiology, 2009, 32, 342-350.	2.8	58
13	Formation of low-T hydrated silicates in modern microbialites from Mexico and implications for microbial fossilization. Frontiers in Earth Science, 2015, 3, .	1.8	57
14	Formation of single domain magnetite by green rust oxidation promoted by microbial anaerobic nitrate-dependent iron oxidation. Geochimica Et Cosmochimica Acta, 2014, 139, 327-343.	3.9	55
15	High Diversity of Magnetotactic Deltaproteobacteria in a Freshwater Niche. Applied and Environmental Microbiology, 2013, 79, 2813-2817.	3.1	53
16	Magnetic properties related to thermal treatment of pyrite. Science in China Series D: Earth Sciences, 2008, 51, 1144-1153.	0.9	52
17	Environmental Factors Affect Magnetite Magnetosome Synthesis in <i>Magnetospirillum magneticum</i> AMB-1: Implications for Biologically Controlled Mineralization. Geomicrobiology Journal, 2012, 29, 362-373.	2.0	52
18	Impact of biomineralization on the preservation of microorganisms during fossilization: An experimental perspective. Earth and Planetary Science Letters, 2014, 400, 113-122.	4.4	52

#	ARTICLE	IF	CITATIONS
19	Methane-Dependent Mineral Reduction by Aerobic Methanotrophs under Hypoxia. <i>Environmental Science and Technology Letters</i> , 2020, 7, 606-612.	8.7	52
20	Single-Cell Resolution of Uncultured Magnetotactic Bacteria via Fluorescence-Coupled Electron Microscopy. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	50
21	Crystal growth of bullet-shaped magnetite in magnetotactic bacteria of the <i>Nitrospirae</i> phylum. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141288.	3.4	48
22	Biom mineralization Patterns of Intracellular Carbonatogenesis in Cyanobacteria: Molecular Hypotheses. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 10.	2.0	48
23	An Integrated Study of the Eolian Dust in Pelagic Sediments From the North Pacific Ocean Based on Environmental Magnetism, Transmission Electron Microscopy, and Diffuse Reflectance Spectroscopy. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3358-3376.	3.4	45
24	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
25	Insolation driven biomagnetic response to the Holocene Warm Period in semi-arid East Asia. <i>Scientific Reports</i> , 2015, 5, 8001.	3.3	35
26	Magnetotactic Coccus Strain SHHC-1 Affiliated to Alphaproteobacteria Forms Octahedral Magnetite Magnetosomes. <i>Frontiers in Microbiology</i> , 2017, 8, 969.	3.5	35
27	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
28	A strong angular dependence of magnetic properties of magnetosome chains: Implications for rock magnetism and paleomagnetism. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3887-3907.	2.5	34
29	Bullet-shaped Magnetite Biomineralization Within a Magnetotactic Deltaproteobacterium: Implications for Magnetofossil Identification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005680.	3.0	32
30	Magnetotaxis as an Adaptation to Enable Bacterial Shuttling of Microbial Sulfur and Sulfur Cycling Across Aquatic Oxic-Anoxic Interfaces. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG006012.	3.0	31
31	A comparative study of magnetic properties between whole cells and isolated magnetosomes of <i>Magnetospirillum magneticum</i> AMB-1. <i>Science Bulletin</i> , 2010, 55, 38-44.	1.7	26
32	The detection of magnetotactic bacteria in deep sea sediments from the east Pacific Mangangese Nodule Province. <i>Environmental Microbiology Reports</i> , 2016, 8, 239-249.	2.4	26
33	Massive cranium from Harbin in northeastern China establishes a new Middle Pleistocene human lineage. <i>Innovation(China)</i> , 2021, 2, 100130.	9.1	26
34	Space Weathering of the Chang'e-5 Lunar Sample From a Mid-High Latitude Region on the Moon. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	26
35	MamX encoded by the mamXY operon is involved in control of magnetosome maturation in <i>Magnetospirillum gryphiswaldense</i> MSR-1. <i>BMC Microbiology</i> , 2013, 13, 203.	3.3	25
36	Magnetic minerals in three Asian rivers draining into the South China Sea: Pearl, Red, and Mekong Rivers. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1678-1693.	2.5	25

#	ARTICLE	IF	CITATIONS
37	A new perspective for the sediment provenance evolution of the middle Okinawa Trough since the last deglaciation based on integrated methods. <i>Earth and Planetary Science Letters</i> , 2019, 528, 115839.	4.4	25
38	Juxtaposed membranes underpin cellular adhesion and display unilateral cell division of multicellular magnetotactic prokaryotes. <i>Environmental Microbiology</i> , 2020, 22, 1481-1494.	3.8	25
39	Diverse phylogeny and morphology of magnetite biomineralized by magnetotactic cocci. <i>Environmental Microbiology</i> , 2021, 23, 1115-1129.	3.8	25
40	Classification of a Complexly Mixed Magnetic Mineral Assemblage in Pacific Ocean Surface Sediment by Electron Microscopy and Supervised Magnetic Unmixing. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	23
41	Identification of novel species of marine magnetotactic bacteria affiliated with <i>Nitrospirae</i> phylum. <i>Environmental Microbiology Reports</i> , 2019, 11, 330-337.	2.4	22
42	Magnetotactic bacteria and magnetofossils: ecology, evolution and environmental implications. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	6.4	20
43	Iron reduction and magnetite biomineralization mediated by a deep-sea iron-reducing bacterium <i>Shewanella piezotolerans</i> WP3. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	19
44	Diverse Intracellular Inclusion Types Within Magnetotactic Bacteria: Implications for Biogeochemical Cycling in Aquatic Environments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006310.	3.0	17
45	Rapid screening of Zr-containing particles from Chang'e-5 lunar soil samples for isotope geochronology: Technical roadmap for future study. <i>Geoscience Frontiers</i> , 2022, 13, 101367.	8.4	17
46	Recover vigorous cells of <i>Magnetospirillum magneticum</i> AMB-1 by capillary magnetic separation. <i>Chinese Journal of Oceanology and Limnology</i> , 2010, 28, 826-831.	0.7	16
47	Biomineralization and Magnetism of Uncultured Magnetotactic Coccus Strain THC1 With Non-chained Magnetosomal Magnetite Nanoparticles. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020853.	3.4	16
48	Mineral magnetic study of lacustrine sediments from Lake Pumoyum Co, southern Tibet, over the last 19ka and paleoenvironmental significance. <i>Tectonophysics</i> , 2013, 588, 209-221.	2.2	15
49	Magnetic signature of river sediments drained into the southern and eastern part of the South China Sea (Malay Peninsula, Sumatra, Borneo, Luzon and Taiwan). <i>Sedimentary Geology</i> , 2017, 347, 10-20.	2.1	15
50	Size distributions of nanoparticles from magnetotactic bacteria as signatures of biologically controlled mineralization. <i>American Mineralogist</i> , 2013, 98, 2105-2114.	1.9	12
51	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
52	Unexpected Diversity of Magnetococci in Intertidal Sediments of Xiaoshi Island in the North Yellow Sea. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-11.	2.7	12
53	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
54	Identification and characterization of magnetotactic Gammaproteobacteria from a salt evaporation pool, Bohai Bay, China. <i>Environmental Microbiology</i> , 2022, 24, 938-950.	3.8	11

#	ARTICLE	IF	CITATIONS
55	Intracellular silicification by early-branching magnetotactic bacteria. <i>Science Advances</i> , 2022, 8, eabn6045.	10.3	11
56	Redox cycling of manganese by <i>Bacillus horikoshii</i> biET1 via oxygen switch. <i>Electrochimica Acta</i> , 2021, 375, 137963.	5.2	9
57	Magnetotactic Bacterial Activity in the North Pacific Ocean and Its Relationship to Asian Dust Inputs and Primary Productivity Since 8.0Ma. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094687.	4.0	9
58	Inhibition effect of polyvinyl chloride on ferrihydrite reduction and electrochemical activities of <i>Geobacter metallireducens</i> . <i>Journal of Basic Microbiology</i> , 2020, 60, 37-46.	3.3	8
59	Geochemical provenancing and direct dating of the Harbin archaic human cranium. <i>Innovation(China)</i> , 2021, 2, 100131.	9.1	8
60	Magnetic Domain State and Anisotropy in Hematite (Fe_2O_3) From First-Order Reversal Curve Diagrams. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB023027.	3.4	8
61	Diverse and complex developmental mechanisms of early Ediacaran embryo-like fossils from the Weng'an Biota, southwest China. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210032.	4.0	8
62	A Thick Negative Polarity Anomaly in a Sediment Core From the Central Arctic Ocean: Geomagnetic Excursion Versus Reversal. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10687-10703.	3.4	7
63	Assessment and Integration of Bulk and Component-Specific Methods for Identifying Mineral Magnetic Assemblages in Environmental Magnetism. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019024.	3.4	7
64	Complete Genome Sequence of <i>Magnetospirillum</i> sp. Strain XM-1, Isolated from the Xi'an City Moat, China. <i>Genome Announcements</i> , 2016, 4, .	0.8	6
65	Morphological and phylogenetic diversity of magnetotactic bacteria and multicellular magnetotactic prokaryotes from a mangrove ecosystem in the Sanya River, South China. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 2015-2026.	1.3	5
66	Identification of sulfate-reducing magnetotactic bacteria via a group-specific 16S rDNA primer and correlative fluorescence and electron microscopy: Strategy for culture-independent study. <i>Environmental Microbiology</i> , 2022, 24, 5019-5038.	3.8	5
67	A Novel Magnetotactic Alphaproteobacterium Producing Intracellular Magnetite and Calcium-Bearing Minerals. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0155621.	3.1	4
68	A species of magnetotactic deltaproteobacterium was detected at the highest abundance during an algal bloom. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	3
69	Authigenic Iron Sulfides Indicate Sea-Level Change on the Continental Shelf: An Illustration From the East China Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021222.	3.4	3
70	Ultrastructure and in-situ chemical characterization of intracellular granules of embryo-like fossils from the early Ediacaran Weng'an biota. <i>Palaontologische Zeitschrift</i> , 2021, 95, 611-621.	1.6	3
71	Low-Temperature Magnetic Properties of Marine Sediments—Quantifying Magnetofossils, Superparamagnetism, and Maghemitization: Eastern Mediterranean Examples. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021793.	3.4	1
72	Genesis of Silica-Phosphatic Nodules with Small Shelly Fossils preserved in the Lowermost Cambrian of South China. <i>Acta Geologica Sinica</i> , 0, , .	1.4	1