

Yongxin Pan

List of Publications by Year in descending order

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206
papers

8,030
citations

44444

50
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78623

77
g-index

220
all docs

220
docs citations

220
times ranked

6443
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and characterization of magnetotactic Gammaproteobacteria from a salt evaporation pool, Bohai Bay, China. <i>Environmental Microbiology</i> , 2022, 24, 938-950.	1.8	11
2	MagCluster: a Tool for Identification, Annotation, and Visualization of Magnetosome Gene Clusters. <i>Microbiology Resource Announcements</i> , 2022, 11, e0103121.	0.3	5
3	Astrobiology at altitude in Earth's near space. <i>Nature Astronomy</i> , 2022, 6, 289-289.	4.2	8
4	Hypomagnetic Field Induces the Production of Reactive Oxygen Species and Cognitive Deficits in Mice Hippocampus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3622.	1.8	6
5	The solar wind plasma upstream of Mars observed by Tianwen-1: Comparison with Mars Express and MAVEN. <i>Science China Earth Sciences</i> , 2022, 65, 759-768.	2.3	10
6	Survival of the magnetotactic bacterium <i>Magnetospirillum gryphiswaldense</i> exposed to Earth's lower near space. <i>Science Bulletin</i> , 2022, 67, 1335-1339.	4.3	7
7	Enhanced Magnetic Hyperthermia of Magnetoferritin through Synthesis at Elevated Temperature. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4012.	1.8	3
8	Intracellular silicification by early-branching magnetotactic bacteria. <i>Science Advances</i> , 2022, 8, eabn6045.	4.7	11
9	Magnetotactic bacteria and magnetofossils: ecology, evolution and environmental implications. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	20
10	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.	1.8	5
11	Iron isotope fractionation in anoxygenic phototrophic Fe(II) oxidation by <i>Rhodobacter ferrooxidans</i> SW2. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 355-368.	1.6	1
12	Diverse phylogeny and morphology of magnetite biomineralized by magnetotactic cocci. <i>Environmental Microbiology</i> , 2021, 23, 1115-1129.	1.8	25
13	Remagnetization of Permian Emeishan basalts: Constraints on the timing of native copper mineralization in northeast Yunnan Province, China. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	0
14	Long-term exposure to a hypomagnetic field attenuates adult hippocampal neurogenesis and cognition. <i>Nature Communications</i> , 2021, 12, 1174.	5.8	42
15	Identification and Genomic Characterization of Two Previously Unknown Magnetotactic Nitrospirae. <i>Frontiers in Microbiology</i> , 2021, 12, 690052.	1.5	7
16	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.	1.3	17
17	Advances of Adsorption and Filtration Techniques in Separating Highly Viscous Crude Oil/Water Mixtures. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100061.	1.9	52
18	A Novel Magnetotactic Alphaproteobacterium Producing Intracellular Magnetite and Calcium-Bearing Minerals. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0155621.	1.4	4

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19	Controls on Terrigenous Detritus Deposition and Oceanography Changes in the Central Okhotsk Sea Over the Past 1550 Åka. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	1
20	Determination of the heating efficiency of magnetotactic bacteria in alternating magnetic field. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 2116-2126.	0.6	3
21	On the origin of microbial magnetoreception. <i>National Science Review</i> , 2020, 7, 472-479.	4.6	46
22	Magnetostratigraphy of the Upper Cretaceous and Lower Paleocene terrestrial sequence, Jiaolai Basin, eastern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 538, 109451.	1.0	5
23	Biominalization and Magnetism of Uncultured Magnetotactic Coccus Strain THCâ€1 With Nonâ€chained Magnetosomal Magnetite Nanoparticles. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020853.	1.4	16
24	Magnetotaxis as an Adaptation to Enable Bacterial Shuttling of Microbial Sulfur and Sulfur Cycling Across Aquatic Oxicâ€Anoxic Interfaces. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG006012.	1.3	31
25	Use of Ferritin Capped Mesoporous Silica Nanoparticles for Redox and pH Triggered Drug Release In Vitro and In Vivo. <i>Advanced Functional Materials</i> , 2020, 30, 2002043.	7.8	29
26	Gadolinium-Labeled Ferritin Nanoparticles as <i>T₁</i> Contrast Agents for Magnetic Resonance Imaging of Tumors. <i>ACS Applied Nano Materials</i> , 2020, 3, 8771-8783.	2.4	25
27	Expanding magnetic organelle biogenesis in the domain Bacteria. <i>Microbiome</i> , 2020, 8, 152.	4.9	44
28	Benchmarking Component Analysis of Remanent Magnetization Curves With a Synthetic Mixture Series: Insight Into the Reliability of Unmixing Natural Samples. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020105.	1.4	6
29	Two Metagenome-Assembled Genome Sequences of Magnetotactic Bacteria in the Order Magnetococcales. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	5
30	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, .	0.8	23
31	Highâ€Fidelity Archeointensity Results for the Late Neolithic Period From Central China. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087625.	1.5	8
32	Effect of Microbial Biomass and Humic Acids on Abiotic and Biotic Magnetite Formation. <i>Environmental Science & Technology</i> , 2020, 54, 4121-4130.	4.6	32
33	Bulletâ€Shaped Magnetite Biomineralization Within a Magnetotactic Deltaproteobacterium: Implications for Magnetofossil Identification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005680.	1.3	32
34	Depth of Jupiterâ€™s Zonal Flow under the â€Shallow-windâ€Assumption. <i>Astrophysical Journal</i> , 2020, 897, 85.	1.6	2
35	Magnetofossil Abundance and Diversity as Paleoenvironmental Proxies: A Case Study From Southwest Iberian Margin Sediments. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087165.	1.5	17
36	Synthesis, characterization and application of magnetoferritin nanoparticle by using human H chain ferritin expressed by <i>Pichia pastoris</i> . <i>Nanotechnology</i> , 2020, 31, 485709.	1.3	3

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37	Experimental Evaluation on the Heating Efficiency of Magnetoferritin Nanoparticles in an Alternating Magnetic Field. <i>Nanomaterials</i> , 2019, 9, 1457.	1.9	18
38	Positive magnetic resonance angiography using ultrafine ferritin-based iron oxide nanoparticles. <i>Nanoscale</i> , 2019, 11, 2644-2654.	2.8	38
39	Genomic evidence of the illumination response mechanism and evolutionary history of magnetotactic bacteria within the Rhodospirillaceae family. <i>BMC Genomics</i> , 2019, 20, 407.	1.2	8
40	A magnetic compass guides the direction of foraging in a bat. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2019, 205, 619-627.	0.7	2
41	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, .	1.4	35
42	Magnetosome Gene Duplication as an Important Driver in the Evolution of Magnetotaxis in the <i>Alphaproteobacteria</i> . <i>MSystems</i> , 2019, 4, .	1.7	16
43	Thermostable iron oxide nanoparticle synthesis within recombinant ferritins from the hyperthermophile <i>Pyrococcus yayanosii</i> CH1. <i>RSC Advances</i> , 2019, 9, 39381-39393.	1.7	10
44	⁴⁰ Ar/ ³⁹ Ar dating results from the Shijiataun Formation, Jiaolai Basin: New age constraints on the Cretaceous terrestrial volcanic-sedimentary sequence of China. <i>Cretaceous Research</i> , 2018, 86, 251-260.	0.6	10
45	⁴⁰ Ar/ ³⁹ Ar age of the onset of high-Ti phase of the Emeishan volcanism strengthens the link with the end-Guadalupian mass extinction. <i>International Geology Review</i> , 2018, 60, 1906-1917.	1.1	33
46	Constraining the magnetic properties of ultrafine- and fine-grained biogenic magnetite. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	10
47	Genomic expansion of magnetotactic bacteria reveals an early common origin of magnetotaxis with lineage-specific evolution. <i>ISME Journal</i> , 2018, 12, 1508-1519.	4.4	103
48	Multidecadally resolved polarity oscillations during a geomagnetic excursion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8913-8918.	3.3	16
49	Effects of PEGylation on biomimetic synthesis of magnetoferritin nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	11
50	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.	3.3	98
51	Diversity and ecology of and biomineralization by magnetotactic bacteria. <i>Environmental Microbiology Reports</i> , 2017, 9, 345-356.	1.0	83
52	Fe isotope fractionation during Fe(II) oxidation by the marine photoferrotroph <i>Rhodovulum iodolum</i> in the presence of Si – Implications for Precambrian iron formation deposition. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 307-321.	1.6	19
53	Reply to Wang and Chen: An ancient origin of magnetotactic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5019-E5020.	3.3	3
54	Single-Cell Resolution of Uncultured Magnetotactic Bacteria via Fluorescence-Coupled Electron Microscopy. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	50

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55	Archaeointensity results spanning the past 6 kiloyears from eastern China and implications for extreme behaviors of the geomagnetic field. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 39-44.	3.3	60
56	Enhanced peroxidase activity and tumour tissue visualization by cobalt-doped magnetoferritin nanoparticles. Nanotechnology, 2017, 28, 045704.	1.3	37
57	Bulk magnetic domain stability controls paleointensity fidelity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13120-13125.	3.3	23
58	Bacterial community structure and novel species of magnetotactic bacteria in sediments from a seamount in the Mariana volcanic arc. Scientific Reports, 2017, 7, 17964.	1.6	29
59	Recent Advances in Chinese Archeomagnetism. Frontiers in Earth Science, 2017, 5, .	0.8	10
60	Magnetotactic Coccus Strain SHHC-1 Affiliated to Alphaproteobacteria Forms Octahedral Magnetite Magnetosomes. Frontiers in Microbiology, 2017, 8, 969.	1.5	35
61	Relationship of pyroclastic volcanism and lake-water acidification to Jehol Biota mass mortality events (Early Cretaceous, northeastern China). Chemical Geology, 2016, 428, 59-76.	1.4	31
62	New archaeomagnetic direction results from China and their constraints on palaeosecular variation of the geomagnetic field in Eastern Asia. Geophysical Journal International, 2016, 207, 1332-1342.	1.0	14
63	Controlled cobalt doping in the spinel structure of magnetosome magnetite: new evidences from element- and site-specific X-ray magnetic circular dichroism analyses. Journal of the Royal Society Interface, 2016, 13, 20160355.	1.5	36
64	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
65	Novel species and expanded distribution of ellipsoidal multicellular magnetotactic prokaryotes. Environmental Microbiology Reports, 2016, 8, 218-226.	1.0	26
66	In vitro assembly of the bacterial actin protein MamK from <i>Candidatus Magnetobacterium casensis</i> ™ in the phylum Nitrospirae. Protein and Cell, 2016, 7, 267-280.	4.8	8
67	Magnetoferritin: A biomimetic magnetic nanoparticle with intrinsic tumor targeting ability for cancer nanotechnology. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 521-522.	1.7	0
68	New constraints on the variation of the geomagnetic field during the late Neolithic period: Archaeointensity results from Sichuan, southwestern China. Journal of Geophysical Research: Solid Earth, 2015, 120, 2056-2069.	1.4	22
69	Enhanced magnetic resonance imaging and staining of cancer cells using ferrimagnetic H-ferritin nanoparticles with increasing core size. International Journal of Nanomedicine, 2015, 10, 2619.	3.3	37
70	Insolation driven biomagnetic response to the Holocene Warm Period in semi-arid East Asia. Scientific Reports, 2015, 5, 8001.	1.6	35
71	A putative greigite-type magnetosome gene cluster from the candidate phylum <i>atascibacteria</i> . Environmental Microbiology Reports, 2015, 7, 237-242.	1.0	48
72	Crystal growth of bullet-shaped magnetite in magnetotactic bacteria of the <i>Nitrospirae</i> phylum. Journal of the Royal Society Interface, 2015, 12, 20141288.	1.5	48

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73	Fractionation of Fe isotopes during Fe(II) oxidation by a marine photoferrotroph is controlled by the formation of organic Fe-complexes and colloidal Fe fractions. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 44-61.	1.6	48
74	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.	0.7	12
75	Bats Respond to Very Weak Magnetic Fields. <i>PLoS ONE</i> , 2015, 10, e0123205.	1.1	12
76	Intracellular biomineralization in bacteria. <i>Frontiers in Microbiology</i> , 2014, 5, 293.	1.5	21
77	Geomagnetic intensity variations for the past 8 kyr: New archaeointensity results from Eastern China. <i>Earth and Planetary Science Letters</i> , 2014, 392, 217-229.	1.8	42
78	Life with compass: diversity and biogeography of magnetotactic bacteria. <i>Environmental Microbiology</i> , 2014, 16, 2646-2658.	1.8	99
79	Genomic insights into the uncultured genus <i>Candidatus</i> <i>Magnetobacterium</i> ™ in the phylum <i>Nitrospirae</i> . <i>ISME Journal</i> , 2014, 8, 2463-2477.	4.4	86
80	Targeted In Vivo Imaging of Microscopic Tumors with Ferritin-based Nanoprobes Across Biological Barriers. <i>Advanced Materials</i> , 2014, 26, 2566-2571.	11.1	85
81	Characterization of the physiology and cell-mineral interactions of the marine anoxygenic phototrophic Fe(II) oxidizer <i>Rhodovulum iodosum</i> - implications for Precambrian Fe(II) oxidation. <i>FEMS Microbiology Ecology</i> , 2014, 88, 503-515.	1.3	64
82	Tectonic and sedimentary evolution of the late Miocene-Pleistocene Dali Basin in the southeast margin of the Tibetan Plateau: Evidences from anisotropy of magnetic susceptibility and rock magnetic data. <i>Tectonophysics</i> , 2014, 629, 362-377.	0.9	20
83	Swimming motion of rod-shaped magnetotactic bacteria: the effects of shape and growing magnetic moment. <i>Frontiers in Microbiology</i> , 2014, 5, 8.	1.5	20
84	Paleomagnetism of the Late Cretaceous volcanic rocks of the Shimaoshan Group in Yongtai County, Fujian Province. <i>Science China Earth Sciences</i> , 2013, 56, 22-30.	2.3	6
85	Analysis of Magnetosome Chains in Magnetotactic Bacteria by Magnetic Measurements and Automated Image Analysis of Electron Micrographs. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7755-7762.	1.4	34
86	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.	1.3	25
87	Iron reduction and mineralization of deep-sea iron reducing bacterium <i>Sewanella piezotolerans</i> WP3 at elevated hydrostatic pressures. <i>Geobiology</i> , 2013, 11, 593-601.	1.1	24
88	The fidelity of paleomagnetic records carried by magnetosome chains. <i>Earth and Planetary Science Letters</i> , 2013, 383, 82-91.	1.8	22
89	Chronology of the terrestrial Upper Cretaceous in the Songliao Basin, northeast Asia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 385, 44-54.	1.0	110
90	Identification of Ferrous-Ferric Fe ₃ O ₄ Nanoparticles in Recombinant Human Ferritin Cages. <i>Microscopy and Microanalysis</i> , 2013, 19, 835-841.	0.2	15

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91	Integrating niche-based process and spatial process in biogeography of magnetotactic bacteria. <i>Scientific Reports</i> , 2013, 3, 1643.	1.6	68
92	Magnetostratigraphy of the Dali Basin in Yunnan and implications for late Neogene rotation of the southeast margin of the Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 791-807.	1.4	75
93	High Diversity of Magnetotactic Deltaproteobacteria in a Freshwater Niche. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2813-2817.	1.4	53
94	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.	1.0	34
95	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.	1.5	12
96	On the swimming motion of spheroidal magnetotactic bacteria. <i>Fluid Dynamics Research</i> , 2012, 44, 055508.	0.6	8
97	Newly Isolated but Uncultivated Magnetotactic Bacterium of the Phylum Nitrospirae from Beijing, China. <i>Applied and Environmental Microbiology</i> , 2012, 78, 668-675.	1.4	71
98	Environmental Factors Affect Magnetite Magnetosome Synthesis in <i>Magnetospirillum magneticum</i> AMB-1: Implications for Biologically Controlled Mineralization. <i>Geomicrobiology Journal</i> , 2012, 29, 362-373.	1.0	52
99	A biogeographic distribution of magnetotactic bacteria influenced by salinity. <i>ISME Journal</i> , 2012, 6, 475-479.	4.4	59
100	Magnetic anisotropy, magnetostatic interactions and identification of magnetofossils. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	78
101	Asymmetry in the current sheet and secondary magnetic flux ropes during guide field magnetic reconnection. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
102	New paleomagnetic investigations of the Emeishan basalts in NE Yunnan, southwestern China: Constraints on eruption history. <i>Journal of Asian Earth Sciences</i> , 2012, 52, 88-97.	1.0	21
103	Toward age determination of the termination of the Cretaceous Normal Superchron. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	66
104	Short-term effects of temperature on the abundance and diversity of magnetotactic cocci. <i>MicrobiologyOpen</i> , 2012, 1, 53-63.	1.2	20
105	Magnetoferritin nanoparticles for targeting and visualizing tumour tissues. <i>Nature Nanotechnology</i> , 2012, 7, 459-464.	15.6	623
106	Towards the robust selection of Thellier-type paleointensity data: The influence of experimental noise. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	22
107	The influence of reaction temperature on biomineralization of ferrihydrite cores in human H-ferritin. <i>BioMetals</i> , 2012, 25, 193-202.	1.8	6
108	Dynamos, Domains, and Paleomagnetic Poles. <i>Eos</i> , 2011, 92, 164-164.	0.1	0

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109	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
110	New ⁴⁰ Ar/ ³⁹ Ar dating results from the Shanwang Basin, eastern China: Constraints on the age of the Shanwang Formation and associated biota. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 187, 66-75.	0.7	36
111	Multi-protocol palaeointensity determination from middle Brunhes Chron volcanics, Datong Volcanic Province, China. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 187, 188-198.	0.7	6
112	Metagenomic Analysis Reveals Unexpected Subgenomic Diversity of Magnetotactic Bacteria within the Phylum <i>Nitrospirae</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 323-326.	1.4	42
113	Snapping magnetosome chains by asymmetric cell division in magnetotactic bacteria. <i>Molecular Microbiology</i> , 2011, 82, 1301-1304.	1.2	8
114	Geomagnetic polarity transitions recorded in the Miocene lavas of the Wuyu basin, Tibet. <i>Science China Earth Sciences</i> , 2011, 54, 561-570.	2.3	2
115	DMTB: A comprehensive online resource of 16S rRNA genes, ecological metadata, oligonucleotides, and magnetic properties of magnetotactic bacteria. <i>Science Bulletin</i> , 2011, 56, 476-478.	1.7	3
116	ç”Ÿç%°©âœ°çfç%°©ç††çš,,ã°§ç”Ÿă,Žç”ç©¶è¿†±•. <i>Chinese Science Bulletin</i> , 2011, 56, 1335-1344.	0.4	8
117	Magnetic characterization of noninteracting, randomly oriented, nanometerâ€scale ferrimagnetic particles. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	28
118	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
119	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
120	Low-temperature magnetic properties of horse spleen ferritin. <i>Science Bulletin</i> , 2010, 55, 3174-3180.	1.7	8
121	Bat head contains soft magnetic particles: Evidence from magnetism. <i>Bioelectromagnetics</i> , 2010, 31, 499-503.	0.9	17
122	Temporal variation of magnetotactic bacterial communities in two freshwater sediment microcosms. <i>FEMS Microbiology Letters</i> , 2010, 302, 85-92.	0.7	45
123	Cultivationâ€independent characterization of â€ <i>Candidatus</i> <i>Magnetobacterium bavaricum</i> â€™ via ultrastructural, geochemical, ecological and metagenomic methods. <i>Environmental Microbiology</i> , 2010, 12, 2466-2478.	1.8	69
124	Deletion of the <i>ftsZ</i> -Like Gene Results in the Production of Superparamagnetic Magnetite Magnetosomes in <i>Magnetospirillum gryphiswaldense</i> . <i>Journal of Bacteriology</i> , 2010, 192, 1097-1105.	1.0	59
125	Biomineralization, crystallography and magnetic properties of bullet-shaped magnetite magnetosomes in giant rod magnetotactic bacteria. <i>Earth and Planetary Science Letters</i> , 2010, 293, 368-376.	1.8	92
126	Isolation and characterization of a marine magnetotactic spirillum axenic culture QH-2 from an intertidal zone of the China Sea. <i>Research in Microbiology</i> , 2010, 161, 276-283.	1.0	90

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127	Diversity analysis of magnetotactic bacteria in Lake Miyun, northern China, by restriction fragment length polymorphism. <i>Systematic and Applied Microbiology</i> , 2009, 32, 342-350.	1.2	58
128	Magnetite magnetosome and fragmental chain formation of <i>Magnetospirillum magneticum</i> AMB-1: transmission electron microscopy and magnetic observations. <i>Geophysical Journal International</i> , 2009, 177, 33-42.	1.0	80
129	Uncultivated Magnetotactic Cocci from Yuandadu Park in Beijing, China. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4046-4052.	1.4	69
130	Combined Approaches for Characterization of an Uncultivated Magnetotactic coccus from Lake Miyun near Beijing. <i>Geomicrobiology Journal</i> , 2009, 26, 313-320.	1.0	14
131	Reduced Efficiency of Magnetotaxis in Magnetotactic Coccoid Bacteria in Higher than Geomagnetic Fields. <i>Biophysical Journal</i> , 2009, 97, 986-991.	0.2	45
132	SIMS U-Pb zircon age of a tuff layer in the Meishucun section, Yunnan, southwest China: Constraint on the age of the Precambrian-Cambrian boundary. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1385-1392.	0.9	79
133	Toward Cloning of the Magnetotactic Metagenome: Identification of Magnetosome Island Gene Clusters in Uncultivated Magnetotactic Bacteria from Different Aquatic Sediments. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3972-3979.	1.4	96
134	Specific primers for the detection of freshwater alphaproteobacterial magnetotactic cocci. <i>International Microbiology</i> , 2009, 12, 237-42.	1.1	6
135	Magnetic properties related to thermal treatment of pyrite. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1144-1153.	0.9	52
136	Does capillary racetrack-based enrichment reflect the diversity of uncultivated magnetotactic cocci in environmental samples?. <i>FEMS Microbiology Letters</i> , 2008, 279, 202-206.	0.7	42
137	Timing of the Nihewan formation and faunas. <i>Quaternary Research</i> , 2008, 69, 77-90.	1.0	92
138	Early evidence of the genus <i>Homo</i> in East Asia. <i>Journal of Human Evolution</i> , 2008, 55, 1075-1085.	1.3	135
139	Toward age determination of the M0r (Barremian–Aptian boundary) of the Early Cretaceous. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 41-48.	0.7	82
140	An assessment of the reliability of palaeointensity results obtained from the Cretaceous aged Suhongtu section, Inner Mongolia, China. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 76-88.	0.7	12
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