

Hailiang Dong

List of Publications by Year in descending order

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186
papers

9,722
citations

31949

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48277

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188
all docs

188
docs citations

188
times ranked

9823
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the internal quantum efficiency of QD/QW hybrid structures by increasing the GaN barrier thickness. RSC Advances, 2020, 10, 41443-41452.	1.7	2
2	Microbial diversity of two cold seep systems in gas hydrate-bearing sediments in the South China Sea. Marine Environmental Research, 2019, 144, 230-239.	1.1	59
3	Effect of ligands on the production of oxidants from oxygenation of reduced Fe-bearing clay mineral nontronite. Geochimica Et Cosmochimica Acta, 2019, 251, 136-156.	1.6	59
4	Tectonomicrobiology: A new paradigm for geobiological research. Science China Earth Sciences, 2018, 61, 494-498.	2.3	1
5	Growth and optical properties of GaN pyramids using in-situ deposited SiNx layer. Materials Letters, 2018, 224, 86-88.	1.3	5
6	GaN epitaxial layers grown on multilayer graphene by MOCVD. AIP Advances, 2018, 8, .	0.6	18
7	Shifts of methanogenic communities in response to permafrost thaw results in rising methane emissions and soil property changes. Extremophiles, 2018, 22, 447-459.	0.9	23
8	Reduction of structural Fe(III) in nontronite by thermophilic microbial consortia enriched from hot springs in Tengchong, Yunnan Province, China. Chemical Geology, 2018, 479, 47-57.	1.4	13
9	Interfacial relaxation analysis of InGaAs/GaAsP strain-compensated multiple quantum wells and its optical property. Superlattices and Microstructures, 2018, 114, 331-339.	1.4	4
10	Understanding the Growth Mechanism of GaN Epitaxial Layers on Mechanically Exfoliated Graphite. Nanoscale Research Letters, 2018, 13, 130.	3.1	21
11	Abundance and taxonomic affiliation of molybdenum transport and utilization genes in Tengchong hot springs, China. Environmental Microbiology, 2018, 20, 2397-2409.	1.8	5
12	Bioleaching of rare earth elements from bastnaesite-bearing rock by actinobacteria. Chemical Geology, 2018, 483, 544-557.	1.4	63
13	Adsorption and mineralization of REE lanthanum onto bacterial cell surface. Environmental Science and Pollution Research, 2018, 25, 22334-22339.	2.7	24
14	Microbial production of long-chain n-alkanes: Implication for interpreting sedimentary leaf wax signals. Organic Geochemistry, 2018, 115, 24-31.	0.9	39
15	Effects of citrate on hexavalent chromium reduction by structural Fe(II) in nontronite. Journal of Hazardous Materials, 2018, 343, 245-254.	6.5	41
16	Effect of GaN Barrier Layer Thickness on Morphology and Optical Properties of Multilayer InGaN Quantum Dots. , 2018, , .		0
17	High Diversity of Myocyanophage in Various Aquatic Environments Revealed by High-Throughput Sequencing of Major Capsid Protein Gene With a New Set of Primers. Frontiers in Microbiology, 2018, 9, 887.	1.5	5
18	Biosynthesized magnetite-perovskite (XFe ₂ O ₄ -BiFeO ₃) interfaces for toxic trace metal removal from aqueous solution. Ceramics International, 2018, 44, 21210-21220.	2.3	4

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19	Significant seasonal variations of microbial community in an acid mine drainage lake in Anhui Province, China. <i>Environmental Pollution</i> , 2017, 223, 507-516.	3.7	30
20	Coupling of Fe(II) oxidation in illite with nitrate reduction and its role in clay mineral transformation. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 353-366.	1.6	40
21	Degradation of 1, 4-dioxane by hydroxyl radicals produced from clay minerals. <i>Journal of Hazardous Materials</i> , 2017, 331, 88-98.	6.5	101
22	Hexavalent chromium removal by chitosan modified-bioreduced nontronite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 210, 25-41.	1.6	36
23	Surface Morphology Evolution Mechanisms of InGaN/GaN Multiple Quantum Wells with Mixture N ₂ /H ₂ -Grown GaN Barrier. <i>Nanoscale Research Letters</i> , 2017, 12, 354.	3.1	13
24	Reduced Iron-Containing Clay Minerals as Antibacterial Agents. <i>Environmental Science & Technology</i> , 2017, 51, 7639-7647.	4.6	64
25	Effect of hydrogen treatment temperature on the properties of InGaN/GaN multiple quantum wells. <i>Nanoscale Research Letters</i> , 2017, 12, 321.	3.1	20
26	Self-Assembly of Water-Soluble Glutathione Thiol-Capped n-Hematite ²⁺ Zn-Ferrites (X = Mg, Mn, or Tj) ETQq0,0 0 rgBT ₅ /Overlock	1.5	5
27	Effects of Ga _x Zn _{1-x} O nanorods on the photoelectric properties of n-ZnO nanorods/p-GaN heterojunction light-emitting diodes. <i>RSC Advances</i> , 2017, 7, 49613-49617.	1.7	8
28	Transformation of halloysite and kaolinite into beidellite under hydrothermal condition. <i>American Mineralogist</i> , 2017, 102, 997-1005.	0.9	20
29	Thioarsenate Formation Coupled with Anaerobic Arsenite Oxidation by a Sulfate-Reducing Bacterium Isolated from a Hot Spring. <i>Frontiers in Microbiology</i> , 2017, 8, 1336.	1.5	35
30	Microbial Community of High Arsenic Groundwater in Agricultural Irrigation Area of Hetao Plain, Inner Mongolia. <i>Frontiers in Microbiology</i> , 2016, 7, 1917.	1.5	44
31	Salinity shapes microbial diversity and community structure in surface sediments of the Qinghai-Tibetan Lakes. <i>Scientific Reports</i> , 2016, 6, 25078.	1.6	161
32	Humic acid-enhanced illite and talc formation associated with microbial reduction of Fe(III) in nontronite. <i>Chemical Geology</i> , 2016, 447, 199-207.	1.4	32
33	Organic structural properties of kerogen as predictors of source rock type and hydrocarbon potential. <i>Fuel</i> , 2016, 184, 792-798.	3.4	31
34	Extracellular electron transfer mechanisms between microorganisms and minerals. <i>Nature Reviews Microbiology</i> , 2016, 14, 651-662.	13.6	1,224
35	Biological reduction of structural Fe(III) in smectites by a marine bacterium at 0.1 and 20 MPa. <i>Chemical Geology</i> , 2016, 438, 1-10.	1.4	19
36	Sedimentary archaeal amoA gene abundance reflects historic nutrient level and salinity fluctuations in Qinghai Lake, Tibetan Plateau. <i>Scientific Reports</i> , 2016, 5, 18071.	1.6	52

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37	Temporal Succession of Ancient Phytoplankton Community in Qinghai Lake and Implication for Paleo-environmental Change. <i>Scientific Reports</i> , 2016, 6, 19769.	1.6	25
38	Stimulation of Fe(II) Oxidation, Biogenic Lepidocrocite Formation, and Arsenic Immobilization by <i>Pseudogulbenkiania</i> Sp. Strain 2002. <i>Environmental Science & Technology</i> , 2016, 50, 6449-6458.	4.6	63
39	Smectite, illite, and early diagenesis in South Pacific Gyre subseafloor sediment. <i>Applied Clay Science</i> , 2016, 134, 34-43.	2.6	12
40	Relative importance of advective flow versus environmental gradient in shaping aquatic ammonium oxidizers near the Three Gorges Dam of the Yangtze River, China. <i>Environmental Microbiology Reports</i> , 2016, 8, 667-674.	1.0	12
41	Single-Cell-Genomics-Facilitated Read Binning of Candidate Phylum EM19 Genomes from Geothermal Spring Metagenomes. <i>Applied and Environmental Microbiology</i> , 2016, 82, 992-1003.	1.4	36
42	Inhibitory effect of clay mineral on methanogenesis by <i>Methanosarcina mazei</i> and <i>Methanothermobacter thermautotrophicus</i> . <i>Applied Clay Science</i> , 2016, 126, 25-32.	2.6	13
43	A 12-kyr record of microbial branched and isoprenoid tetraether index in Lake Qinghai, northeastern Qinghai-Tibet Plateau: Implications for paleoclimate reconstruction. <i>Science China Earth Sciences</i> , 2016, 59, 951-960.	2.3	13
44	Effect of potential barrier height on the carrier transport in InGaAs/GaAsP multi-quantum wells and photoelectric properties of laser diode. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6901-6912.	1.3	15
45	Influence of substrate misorientation on the photoluminescence and structural properties of InGaAs/GaAsP multiple quantum wells. <i>Nanoscale</i> , 2016, 8, 6043-6056.	2.8	17
46	Global metagenomic survey reveals a new bacterial candidate phylum in geothermal springs. <i>Nature Communications</i> , 2016, 7, 10476.	5.8	189
47	Distribution and Diversity of Cyanobacteria and Eukaryotic Algae in Qinghai-Tibetan Lakes. <i>Geomicrobiology Journal</i> , 2016, 33, 860-869.	1.0	38
48	Preservation of organic matter in nontronite against iron redox cycling. <i>American Mineralogist</i> , 2016, 101, 120-133.	0.9	30
49	Enhanced and stabilized arsenic retention in microcosms through the microbial oxidation of ferrous iron by nitrate. <i>Chemosphere</i> , 2016, 144, 1106-1115.	4.2	44
50	Generation of hydrothermal Fe-Si oxyhydroxide deposit on the Southwest Indian Ridge and its implication for the origin of ancient banded iron formations. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 187-203.	1.3	16
51	Low-temperature feldspar and illite formation through bioreduction of Fe(III)-bearing smectite by an alkaliphilic bacterium. <i>Chemical Geology</i> , 2015, 406, 25-33.	1.4	19
52	Microbial Community in High Arsenic Shallow Groundwater Aquifers in Hetao Basin of Inner Mongolia, China. <i>PLoS ONE</i> , 2015, 10, e0125844.	1.1	63
53	Reduction of hexavalent chromium by the thermophilic methanogen <i>Methanothermobacter thermautotrophicus</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 442-456.	1.6	89
54	Abiotic dechlorination in rock matrices impacted by long-term exposure to TCE. <i>Chemosphere</i> , 2015, 119, 744-749.	4.2	21

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55	[Cobalt(III)]-EDTA reduction by thermophilic methanogen <i>Methanothermobacter thermautotrophicus</i> . <i>Chemical Geology</i> , 2015, 411, 49-56.	1.4	8
56	Distribution of Arsenite-Oxidizing Bacteria and its Correlation with Temperature in Hot Springs of the Tibetan-Yunnan Geothermal Zone in Western China. <i>Geomicrobiology Journal</i> , 2015, 32, 482-493.	1.0	7
57	Distribution of ether lipids and composition of the archaeal community in terrestrial geothermal springs: impact of environmental variables. <i>Environmental Microbiology</i> , 2015, 17, 1600-1614.	1.8	29
58	Isolation of diverse members of the Aquificales from geothermal springs in Tengchong, China. <i>Frontiers in Microbiology</i> , 2015, 6, 157.	1.5	31
59	Distribution and Diversity of Aerobic Carbon Monoxide-Oxidizing Bacteria in Geothermal Springs of China, the Philippines, and the United States. <i>Geomicrobiology Journal</i> , 2015, 32, 903-913.	1.0	19
60	Natural attenuation potential of trichloroethene in wetland plant roots: Role of native ammonium-oxidizing microorganisms. <i>Chemosphere</i> , 2015, 119, 971-977.	4.2	4
61	Biological Redox Cycling of Iron in Nontronite and Its Potential Application in Nitrate Removal. <i>Environmental Science & Technology</i> , 2015, 49, 5493-5501.	4.6	109
62	Investigation of the growth temperature on indium diffusion in InGaAs/GaAsP multiple quantum wells and photoelectric properties. <i>RSC Advances</i> , 2015, 5, 75211-75217.	1.7	9
63	Deglacial and Holocene Archaeal Lipid-Inferred Paleohydrology and Paleotemperature History of Lake Qinghai, Northeastern Qinghai-Tibetan Plateau. <i>Quaternary Research</i> , 2015, 83, 116-126.	1.0	43
64	Taxonomic and Functional Diversity Provides Insight into Microbial Pathways and Stress Responses in the Saline Qinghai Lake, China. <i>PLoS ONE</i> , 2014, 9, e111681.	1.1	12
65	Metabolic Influence of Psychrophilic Diatoms on Travertines at the Huanglong Natural Scenic District of China. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 13084-13096.	1.2	11
66	Abundance and Diversity of Sulfate-Reducing Bacteria in High Arsenic Shallow Aquifers. <i>Geomicrobiology Journal</i> , 2014, 31, 802-812.	1.0	28
67	Production of branched tetraether lipids in Tibetan hot springs: A possible linkage to nitrite reduction by thermotolerant or thermophilic bacteria?. <i>Chemical Geology</i> , 2014, 386, 209-217.	1.4	12
68	Microbial reduction and precipitation of vanadium by mesophilic and thermophilic methanogens. <i>Chemical Geology</i> , 2014, 370, 29-39.	1.4	91
69	Smectite Reduction by <i>Shewanella</i> Species as Facilitated by Cystine and Cysteine. <i>Geomicrobiology Journal</i> , 2014, 31, 53-63.	1.0	32
70	Diversity and abundance of the arsenite oxidase gene <i>aioA</i> in geothermal areas of Tengchong, Yunnan, China. <i>Extremophiles</i> , 2014, 18, 161-170.	0.9	24
71	Reverse-transcriptional gene expression of anammox and ammonia-oxidizing archaea and bacteria in soybean and rice paddy soils of Northeast China. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2675-2686.	1.7	23
72	Diversity and Abundance of Ammonia-Oxidizing Archaea and Bacteria in Diverse Chinese Paddy Soils. <i>Geomicrobiology Journal</i> , 2014, 31, 12-22.	1.0	23

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73	Latitudinal Distribution of Ammonia-Oxidizing Bacteria and Archaea in the Agricultural Soils of Eastern China. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5593-5602.	1.4	60
74	The role of Fe(III) bioreduction by methanogens in the preservation of organic matter in smectite. <i>Chemical Geology</i> , 2014, 389, 16-28.	1.4	27
75	Differential temperature and pH controls on the abundance and composition of H-GDGTs in terrestrial hot springs. <i>Organic Geochemistry</i> , 2014, 75, 109-121.	0.9	15
76	Seasonal patterns in microbial communities inhabiting the hot springs of <i>Tengchong</i> , <i>Yunnan</i> Province, <i>China</i> . <i>Environmental Microbiology</i> , 2014, 16, 1579-1591.	1.8	57
77	Reduction and immobilization of hexavalent chromium by microbially reduced Fe-bearing clay minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 186-203.	1.6	103
78	Permanganate diffusion and reaction in sedimentary rocks. <i>Journal of Contaminant Hydrology</i> , 2014, 159, 36-46.	1.6	10
79	Water depth affecting thaumarchaeol production in Lake Qinghai, northeastern Qinghai-Tibetan plateau: Implications for paleo lake levels and paleoclimate. <i>Chemical Geology</i> , 2014, 368, 76-84.	1.4	53
80	A less or more dusty future in the Northern Qinghai-Tibetan Plateau?. <i>Scientific Reports</i> , 2014, 4, 6672.	1.6	47
81	Identification of Photosynthetic Plankton Communities Using Sedimentary Ancient DNA and Their Response to late-Holocene Climate Change on the Tibetan Plateau. <i>Scientific Reports</i> , 2014, 4, 6648.	1.6	56
82	Greater temporal changes of sediment microbial community than its waterborne counterpart in Tengchong hot springs, Yunnan Province, China. <i>Scientific Reports</i> , 2014, 4, 7479.	1.6	41
83	The interaction of fungus with calcite and the effects on aqueous Geochemistry in karst systems. <i>Carbonates and Evaporites</i> , 2013, 28, 413-418.	0.4	11
84	Inhibition of bacterial oxidation of ferrous iron by lead nitrate in sulfate-rich systems. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 718-725.	6.5	6
85	Microbial reduction of Fe(III) in smectite minerals by thermophilic methanogen <i>Methanothermobacter thermautotrophicus</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 203-215.	1.6	57
86	Iron and lead ion adsorption by microbial flocculants in synthetic wastewater and their related carbonate formation. <i>Journal of Environmental Sciences</i> , 2013, 25, 2422-2428.	3.2	13
87	Biological oxidation of Fe(II) in reduced nontronite coupled with nitrate reduction by <i>Pseudogulbenkiania</i> sp. Strain 2002. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 231-247.	1.6	88
88	Evaluation of glycerol dialkyl glycerol tetraether proxies for reconstruction of the paleo-environment on the Qinghai-Tibetan Plateau. <i>Organic Geochemistry</i> , 2013, 61, 45-56.	0.9	30
89	Continental Scientific Drilling Project of Cretaceous Songliao Basin: Scientific objectives and drilling technology. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 385, 6-16.	1.0	41
90	Bacterial and archaeal diversities in <i>Yunnan</i> and <i>Tibetan</i> hot springs, <i>China</i> . <i>Environmental Microbiology</i> , 2013, 15, 1160-1175.	1.8	121

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91	Microbially mediated dolomite in Cambrian stromatolites from the Tarim Basin, north-west China: implications for the role of organic substrate on dolomite precipitation. <i>Terra Nova</i> , 2013, 25, 387-395.	0.9	39
92	Sediment microbial communities in Great Boiling Spring are controlled by temperature and distinct from water communities. <i>ISME Journal</i> , 2013, 7, 718-729.	4.4	182
93	Archaeal and bacterial diversity in acidic to circumneutral hot springs in the Philippines. <i>FEMS Microbiology Ecology</i> , 2013, 85, 452-464.	1.3	85
94	Assessing the ratio of archaeol to caldarchaeol as a salinity proxy in highland lakes on the northeastern Qinghai-Tibetan Plateau. <i>Organic Geochemistry</i> , 2013, 54, 69-77.	0.9	34
95	Coupled Diffusion and Abiotic Reaction of Trichlorethene in Minimally Disturbed Rock Matrices. <i>Environmental Science & Technology</i> , 2013, 47, 4291-4298.	4.6	30
96	Abundance and Diversity of Ammonia-Oxidizing Bacteria and Archaea in Cold Springs on the Qinghai-Tibet Plateau. <i>Geomicrobiology Journal</i> , 2013, 30, 530-539.	1.0	10
97	Diversity of Carbon Monoxide-Oxidizing Bacteria in Five Lakes on the Qinghai-Tibet Plateau, China. <i>Geomicrobiology Journal</i> , 2013, 30, 758-767.	1.0	17
98	Environmental controls on the distribution of archaeal lipids in Tibetan hot springs: insight into the application of organic proxies for biogeochemical processes. <i>Environmental Microbiology Reports</i> , 2013, 5, 868-882.	1.0	13
99	Microbial Diversity in High Arsenic Groundwater in Hetao Basin of Inner Mongolia, China. <i>Geomicrobiology Journal</i> , 2013, 30, 897-909.	1.0	35
100	Abundance and Diversity of Sulfur-Oxidizing Bacteria along a Salinity Gradient in Four Qinghai-Tibetan Lakes, China. <i>Geomicrobiology Journal</i> , 2013, 30, 851-860.	1.0	17
101	Cultivation and characterization of thermophilic <i>Nitrospira</i> species from geothermal springs in the US Great Basin, China, and Armenia. <i>FEMS Microbiology Ecology</i> , 2013, 85, 283-292.	1.3	64
102	Ti content in Huguangyan maar lake sediment as a proxy for monsoon-induced vegetation density in the Holocene. <i>Geophysical Research Letters</i> , 2013, 40, 5757-5763.	1.5	56
103	A Comprehensive Census of Microbial Diversity in Hot Springs of Tengchong, Yunnan Province China Using 16S rRNA Gene Pyrosequencing. <i>PLoS ONE</i> , 2013, 8, e53350.	1.1	216
104	Wide distribution of autochthonous branched glycerol dialkyl glycerol tetraethers (bGDGTs) in U.S. Great Basin hot springs. <i>Frontiers in Microbiology</i> , 2013, 4, 222.	1.5	11
105	The distribution and abundance of archaeal tetraether lipids in U.S. Great Basin hot springs. <i>Frontiers in Microbiology</i> , 2013, 4, 247.	1.5	7
106	amoA-encoding archaea and thaumarchaeol in the lakes on the northeastern Qinghai-Tibetan Plateau, China. <i>Frontiers in Microbiology</i> , 2013, 4, 329.	1.5	34
107	Control of Temperature on Microbial Community Structure in Hot Springs of the Tibetan Plateau. <i>PLoS ONE</i> , 2013, 8, e62901.	1.1	157
108	Actinobacterial Diversity in Microbial Mats of Five Hot Springs in Central and Central-Eastern Tibet, China. <i>Geomicrobiology Journal</i> , 2012, 29, 520-527.	1.0	17

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109	Microbial Diversity and Community Structure on Corroding Concretes. <i>Geomicrobiology Journal</i> , 2012, 29, 450-458.	1.0	9
110	Geomicrobiology Research in China: Mineral-Microbe Interactions. <i>Geomicrobiology Journal</i> , 2012, 29, 197-198.	1.0	4
111	p-Cu ₂ O/n-ZnO heterojunction fabricated by hydrothermal method. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 751-756.	1.1	23
112	The Response of Potentially Active Planktonic Actinobacteria to the Construction of Three Gorges Dam of the Yangtze River, China. <i>Geomicrobiology Journal</i> , 2012, 29, 114-123.	1.0	4
113	Endolithic Bacterial Communities in Dolomite and Limestone Rocks from the Nanjiang Canyon in Guizhou Karst Area (China). <i>Geomicrobiology Journal</i> , 2012, 29, 213-225.	1.0	38
114	Distribution of glycerol dialkyl glycerol tetraethers in surface sediments of Lake Qinghai and surrounding soil. <i>Organic Geochemistry</i> , 2012, 47, 78-87.	0.9	84
115	Microbial Community Composition in Acid Mine Drainage Lake of Xiang Mountain Sulfide Mine in Anhui Province, China. <i>Geomicrobiology Journal</i> , 2012, 29, 886-895.	1.0	18
116	A carbon free filter for collection of large volume samples of cellular biomass from oligotrophic waters. <i>Journal of Microbiological Methods</i> , 2012, 90, 145-151.	0.7	4
117	Effects of redox cycling of iron in nontronite on reduction of technetium. <i>Chemical Geology</i> , 2012, 291, 206-216.	1.4	75
118	Microbial reduction of Fe(III) in illite-smectite minerals by methanogen <i>Methanosarcina mazei</i> . <i>Chemical Geology</i> , 2012, 292-293, 35-44.	1.4	101
119	Use of microfocused X-ray techniques to investigate the mobilization of arsenic by oxalic acid. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 91, 254-270.	1.6	9
120	Diversity of microbial plankton across the Three Gorges Dam of the Yangtze River, China. <i>Geoscience Frontiers</i> , 2012, 3, 335-349.	4.3	35
121	Microbial diversity in cold seep sediments from the northern South China Sea. <i>Geoscience Frontiers</i> , 2012, 3, 301-316.	4.3	47
122	Distribution of glycerol dialkyl glycerol tetraethers in Tibetan hot springs. <i>Geoscience Frontiers</i> , 2012, 3, 289-300.	4.3	22
123	Microbial diversity in two cold springs on the Qinghai-Tibetan Plateau. <i>Geoscience Frontiers</i> , 2012, 3, 317-325.	4.3	10
124	Distinguishing ectomycorrhizal and saprophytic fungi using carbon and nitrogen isotopic compositions. <i>Geoscience Frontiers</i> , 2012, 3, 351-356.	4.3	28
125	A review of the microbiology of the Rehai geothermal field in Tengchong, Yunnan Province, China. <i>Geoscience Frontiers</i> , 2012, 3, 273-288.	4.3	59
126	Biogeochemistry and geomicrobiology in extreme environments: Preface. <i>Geoscience Frontiers</i> , 2012, 3, 269-271.	4.3	1

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127	Growth of non-phototrophic microorganisms using solar energy through mineral photocatalysis. <i>Nature Communications</i> , 2012, 3, 768.	5.8	126
128	Abundance and diversity of candidate division JS1- and Chloroflexi-related bacteria in cold seep sediments of the northern South China Sea. <i>Frontiers of Earth Science</i> , 2012, 6, 373-382.	0.9	7
129	Co-occurrence of nitrite-dependent anaerobic methane oxidizing and anaerobic ammonia oxidizing bacteria in two Qinghai-Tibetan saline lakes. <i>Frontiers of Earth Science</i> , 2012, 6, 383-391.	0.9	53
130	Isolation of <i>Paenibacillus</i> sp. and Assessment of its Potential for Enhancing Mineral Weathering. <i>Geomicrobiology Journal</i> , 2012, 29, 413-421.	1.0	190
131	Microbial reduction of chlorite and uranium followed by air oxidation. <i>Chemical Geology</i> , 2011, 283, 242-250.	1.4	38
132	Mineral transformations associated with goethite reduction by <i>Methanosarcina barkeri</i> . <i>Chemical Geology</i> , 2011, 288, 53-60.	1.4	36
133	Bioreduction of Fe-bearing clay minerals and their reactivity toward pertechnetate (Tc-99). <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5229-5246.	1.6	128
134	Application of Electron Energy-Loss Spectroscopy (EELS) and Energy-Filtered Transmission Electron Microscopy (EFTEM) to the Study of Mineral Transformation Associated with Microbial Fe-Reduction of Magnetite. <i>Clays and Clay Minerals</i> , 2011, 59, 176-188.	0.6	15
135	Ammonia-oxidizing Archaea in Kamchatka Hot Springs. <i>Geomicrobiology Journal</i> , 2011, 28, 149-159.	1.0	21
136	The Formation of Illite from Nontronite by Mesophilic and Thermophilic Bacterial Reaction. <i>Clays and Clay Minerals</i> , 2011, 59, 21-33.	0.6	45
137	Archaeal and bacterial diversity in hot springs on the Tibetan Plateau, China. <i>Extremophiles</i> , 2011, 15, 549-563.	0.9	80
138	Production of Branched Tetraether Lipids in the Lower Pearl River and Estuary: Effects of Extraction Methods and Impact on bGDGT Proxies. <i>Frontiers in Microbiology</i> , 2011, 2, 274.	1.5	58
139	Comparison of reduction extent of Fe(III) in nontronite by <i>Shewanella putrefaciens</i> and <i>Desulfovibrio vulgaris</i> . <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 297-299.	1.1	5
140	Planktonic actinobacterial diversity along a salinity gradient of a river and five lakes on the Tibetan Plateau. <i>Extremophiles</i> , 2010, 14, 367-376.	0.9	35
141	Microbial diversity in acid mine drainage of Xiang Mountain sulfide mine, Anhui Province, China. <i>Extremophiles</i> , 2010, 14, 465-474.	0.9	61
142	Mineral-microbe interactions: a review. <i>Frontiers of Earth Science</i> , 2010, 4, 127-147.	0.5	70
143	Magnetic properties of muddy sediments on the northeastern continental shelves of China: Implication for provenance and transportation. <i>Marine Geology</i> , 2010, 274, 107-119.	0.9	46
144	RNA-Based Investigation of Ammonia-Oxidizing Archaea in Hot Springs of Yunnan Province, China. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4538-4541.	1.4	81

#	ARTICLE	IF	CITATIONS
145	Succession of Acidophilic Bacterial Community During Bio-oxidation of Refractory Gold-Containing Sulfides. <i>Geomicrobiology Journal</i> , 2010, 27, 683-691.	1.0	15
146	Bioavailability of Fe(III) In Loess Sediments: An Important Source of Electron Acceptors. <i>Clays and Clay Minerals</i> , 2010, 58, 542-557.	0.6	10
147	Response of Aerobic Anoxygenic Phototrophic Bacterial Diversity to Environment Conditions in Saline Lakes and Daotang River on the Tibetan Plateau, NW China. <i>Geomicrobiology Journal</i> , 2010, 27, 400-408.	1.0	26
148	Microbial dolomite precipitation using sulfate reducing and halophilic bacteria: Results from Qinghai Lake, Tibetan Plateau, NW China. <i>Chemical Geology</i> , 2010, 278, 151-159.	1.4	138
149	Sequencing of Multiple Clostridial Genomes Related to Biomass Conversion and Biofuel Production. <i>Journal of Bacteriology</i> , 2010, 192, 6494-6496.	1.0	81
150	Impacts of environmental change and human activity on microbial ecosystems on the Tibetan Plateau, NW China. <i>GSA Today</i> , 2010, , 4-10.	1.1	30
151	Microbial Mineral Weathering for Nutrient Acquisition Releases Arsenic. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2558-2565.	1.4	95
152	Biomineralization associated with microbial reduction of Fe ³⁺ and oxidation of Fe ²⁺ in solid minerals. <i>American Mineralogist</i> , 2009, 94, 1049-1058.	0.9	30
153	Phylogeography of regional fauna on the Tibetan Plateau: A review. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 789-799.	1.8	82
154	Diversity of Actinobacterial community in saline sediments from Yunnan and Xinjiang, China. <i>Extremophiles</i> , 2009, 13, 623-632.	0.9	32
155	Bacterial Succession within an Ephemeral Hypereutrophic Mojave Desert Playa Lake. <i>Microbial Ecology</i> , 2009, 57, 307-320.	1.4	35
156	Abundance and diversity of aerobic anoxygenic phototrophic bacteria in saline lakes on the Tibetan plateau. <i>FEMS Microbiology Ecology</i> , 2009, 67, 268-278.	1.3	47
157	Late Holocene forcing of the Asian winter and summer monsoon as evidenced by proxy records from the northern Qinghai-Tibetan Plateau. <i>Earth and Planetary Science Letters</i> , 2009, 280, 276-284.	1.8	168
158	Reduction and long-term immobilization of technetium by Fe(II) associated with clay mineral nontronite. <i>Chemical Geology</i> , 2009, 264, 127-138.	1.4	108
159	Geochemistry of basal Cambrian black shales and cherts from the Northern Tarim Basin, Northwest China: Implications for depositional setting and tectonic history. <i>Journal of Asian Earth Sciences</i> , 2009, 34, 418-436.	1.0	82
160	Microbe-clay mineral interactions. <i>American Mineralogist</i> , 2009, 94, 1505-1519.	0.9	230
161	Response of Archaeal Community Structure to Environmental Changes in Lakes on the Tibetan Plateau, Northwestern China. <i>Geomicrobiology Journal</i> , 2009, 26, 289-297.	1.0	41
162	Actinobacterial Diversity in Hot Springs in Tengchong (China), Kamchatka (Russia), and Nevada (USA). <i>Geomicrobiology Journal</i> , 2009, 26, 256-263.	1.0	36

#	ARTICLE	IF	CITATIONS
163	Diversity and Abundance of Ammonia-Oxidizing Archaea and Bacteria in Qinghai Lake, Northwestern China. <i>Geomicrobiology Journal</i> , 2009, 26, 199-211.	1.0	74
164	Archaeal Lipids and 16S rRNA Genes Characterizing Non-hydrate and Hydrate-Impacted Sediments in the Gulf of Mexico. <i>Geomicrobiology Journal</i> , 2009, 26, 227-237.	1.0	10
165	The role of clay minerals in the preservation of organic matter in sediments of Qinghai Lake, NW China. <i>Clays and Clay Minerals</i> , 2009, 57, 213-226.	0.6	23
166	Dominance of putative marine benthic <i>Archaea</i> in Qinghai Lake, northwestern China. <i>Environmental Microbiology</i> , 2008, 10, 2355-2367.	1.8	62
167	High beta diversity of bacteria in the shallow terrestrial subsurface. <i>Environmental Microbiology</i> , 2008, 10, 2537-2549.	1.8	36
168	Partitioning of Fe(II) in reduced nontronite (NAu-2) to reactive sites: reactivity in terms of Tc(VII) reduction. <i>Clays and Clay Minerals</i> , 2008, 56, 175-189.	0.6	64
169	Role of Microbial Fe(III) Reduction and Solution Chemistry in Aggregation and Settling of Suspended Particles in the Mississippi River Delta Plain, Louisiana, USA. <i>Clays and Clay Minerals</i> , 2008, 56, 416-428.	0.6	20
170	Evolution of Chaka Salt Lake in NW China in response to climatic change during the Latest Pleistocene-Holocene. <i>Quaternary Science Reviews</i> , 2008, 27, 867-879.	1.4	136
171	Fe ²⁺ sorption onto nontronite (NAu-2). <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5361-5371.	1.6	50
172	Crucial Roles of Iron in the Growth of <i>Prorocentrum micans</i> Ehrenberg (Dinophyceae). <i>Journal of Coastal Research</i> , 2008, 4, 176-183.	0.1	0
173	Microbial effects in promoting the smectite to illite reaction: Role of organic matter intercalated in the interlayer. <i>American Mineralogist</i> , 2007, 92, 1401-1410.	0.9	62
174	Nontronite particle aggregation induced by microbial Fe(III) reduction and exopolysaccharide production. <i>Clays and Clay Minerals</i> , 2007, 55, 96-107.	0.6	53
175	Microbial Diversity in the Deep Marine Sediments from the Qiongdongnan Basin in South China Sea. <i>Geomicrobiology Journal</i> , 2007, 24, 505-517.	1.0	38
176	Who's Who in Mineral Names. <i>Rocks and Minerals</i> , 2007, 82, 516-519.	0.0	0
177	Ultrahigh-Pressure Mineral Assemblages in Zircons from the Surface to 5158 m Depth in Cores of the Main Drill Hole, Chinese Continental Scientific Drilling Project, Southwestern Sulu Belt, China. <i>International Geology Review</i> , 2007, 49, 454-478.	1.1	39
178	Microbial reduction of structural Fe ³⁺ in nontronite by a thermophilic bacterium and its role in promoting the smectite to illite reaction. <i>American Mineralogist</i> , 2007, 92, 1411-1419.	0.9	75
179	The limited role of aquifer heterogeneity on metal reduction in an Atlantic coastal plain determined by push-pull tests. <i>Applied Geochemistry</i> , 2007, 22, 974-995.	1.4	2
180	Mineralogical and geochemical evidence for coupled bacterial uranium mineralization and hydrocarbon oxidation in the Shashagetai deposit, NW China. <i>Chemical Geology</i> , 2007, 236, 167-179.	1.4	93

#	ARTICLE	IF	CITATIONS
181	Influence of biogenic Fe(II) on the extent of microbial reduction of Fe(III) in clay minerals nontronite, illite, and chlorite. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1145-1158.	1.6	137
182	Kinetic Analysis of Microbial Reduction of Fe(III) in Nontronite. <i>Environmental Science & Technology</i> , 2007, 41, 2437-2444.	4.6	41
183	Endolithic cyanobacteria in soil gypsum: Occurrences in Atacama (Chile), Mojave (United States), and Al-Jafr Basin (Jordan) Deserts. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	89
184	Correlation between bacterial attachment rate coefficients and hydraulic conductivity and its effect on field-scale bacterial transport. <i>Advances in Water Resources</i> , 2007, 30, 1571-1582.	1.7	26
185	Microbial response to salinity change in Lake Chaka, a hypersaline lake on Tibetan plateau. <i>Environmental Microbiology</i> , 2007, 9, 2603-2621.	1.8	210
186	Iron and phosphorus effects on the growth of <i>Cryptomonas</i> sp. (Cryptophyceae) and their availability in sediments from the Pearl River Estuary, China. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 73, 501-509.	0.9	17