Hailiang Dong

List of Publications by Year
in descending order

186 papers	9,722 citations	31949 53 h-index	48277 88 g-index
188 all docs	188 docs citations	188 times ranked	9823 citing authors

#	Article	IF	Citations
1	Extracellular electron transfer mechanisms between microorganisms and minerals. Nature Reviews Microbiology, 2016, 14, 651-662.	13.6	1,224
2	Microbe-clay mineral interactions. American Mineralogist, 2009, 94, 1505-1519.	0.9	230
3	A Comprehensive Census of Microbial Diversity in Hot Springs of Tengchong, Yunnan Province China Using 16S rRNA Gene Pyrosequencing. PLoS ONE, 2013, 8, e53350.	1.1	216
4	Microbial response to salinity change in Lake Chaka, a hypersaline lake on Tibetan plateau. Environmental Microbiology, 2007, 9, 2603-2621.	1.8	210
5	Isolation ofPaenibacillussp. and Assessment of its Potential for Enhancing Mineral Weathering. Geomicrobiology Journal, 2012, 29, 413-421.	1.0	190
6	Global metagenomic survey reveals a new bacterial candidate phylum in geothermal springs. Nature Communications, 2016, 7, 10476.	5.8	189
7	Sediment microbial communities in Great Boiling Spring are controlled by temperature and distinct from water communities. ISME Journal, 2013, 7, 718-729.	4.4	182
8	Late Holocene forcing of the Asian winter and summer monsoon as evidenced by proxy records from the northern Qinghaiâ€“Tibetan Plateau. Earth and Planetary Science Letters, 2009, 280, 276-284.	1.8	168
9	Salinity shapes microbial diversity and community structure in surface sediments of the Qinghai-Tibetan Lakes. Scientific Reports, 2016, 6, 25078.	1.6	161
10	Control of Temperature on Microbial Community Structure in Hot Springs of the Tibetan Plateau. PLoS ONE, 2013, 8, e62901.	1.1	157
11	Microbial dolomite precipitation using sulfate reducing and halophilic bacteria: Results from Qinghai Lake, Tibetan Plateau, NW China. Chemical Geology, 2010, 278, 151-159.	1.4	138
12	Influence of biogenic Fe(II) on the extent of microbial reduction of Fe(III) in clay minerals nontronite, illite, and chlorite. Geochimica Et Cosmochimica Acta, 2007, 71, 1145-1158.	1.6	137
13	Evolution of Chaka Salt Lake in NW China in response to climatic change during the Latest Pleistoceneâ€“Holocene. Quaternary Science Reviews, 2008, 27, 867-879.	1.4	136
14	Bioreduction of Fe-bearing clay minerals and their reactivity toward pertechnetate (Tc-99). Geochimica Et Cosmochimica Acta, 2011, 75, 5229-5246.	1.6	128
15	Growth of non-phototrophic microorganisms using solar energy through mineral photocatalysis. Nature Communications, 2012, 3, 768.	5.8	126
16	Bacterial and archaeal diversities in <scp>Y</scp>unnan and <scp>T</scp>ibetan hot springs, <scp>C</scp>hina. Environmental Microbiology, 2013, 15, 1160-1175.	1.8	121
17	Biological Redox Cycling of Iron in Nontronite and Its Potential Application in Nitrate Removal. Environmental Science & Technology, 2015, 49, 5493-5501.	4.6	109
18	Reduction and long-term immobilization of technetium by Fe(II) associated with clay mineral nontronite. Chemical Geology, 2009, 264, 127-138.	1.4	108

#	Article	IF	Citations
19	Reduction and immobilization of hexavalent chromium by microbially reduced Fe-bearing clay minerals. Geochimica Et Cosmochimica Acta, 2014, 133, 186-203.	1.6	103
20	Microbial reduction of Fe(III) in illiteâ€“smectite minerals by methanogen Methanosarcina mazei. Chemical Geology, 2012, 292-293, 35-44.	1.4	101
21	Degradation of 1, 4-dioxane by hydroxyl radicals produced from clay minerals. Journal of Hazardous Materials, 2017, 331, 88-98.	6.5	101
22	Microbial Mineral Weathering for Nutrient Acquisition Releases Arsenic. Applied and Environmental Microbiology, 2009, 75, 2558-2565.	1.4	95
23	Mineralogical and geochemical evidence for coupled bacterial uranium mineralization and hydrocarbon oxidation in the Shashagetai deposit, NW China. Chemical Geology, 2007, 236, 167-179.	1.4	93
24	Microbial reduction and precipitation of vanadium by mesophilic and thermophilic methanogens. Chemical Geology, 2014, 370, 29-39.	1.4	91
25	Endolithic cyanobacteria in soil gypsum: Occurrences in Atacama (Chile), Mojave (United States), and Al-Jafr Basin (Jordan) Deserts. Journal of Geophysical Research, 2007, 112, .	3.3	89
26	Reduction of hexavalent chromium by the thermophilic methanogen Methanothermobacter thermautotrophicus. Geochimica Et Cosmochimica Acta, 2015, 148, 442-456.	1.6	89
27	Biological oxidation of Fe(II) in reduced nontronite coupled with nitrate reduction by Pseudogulbenkiania sp. Strain 2002. Geochimica Et Cosmochimica Acta, 2013, 119, 231-247.	1.6	88
28	Archaeal and bacterial diversity in acidic to circumneutral hot springs in the Philippines. FEMS Microbiology Ecology, 2013, 85, 452-464.	1.3	85
29	Distribution of glycerol dialkyl glycerol tetraethers in surface sediments of Lake Qinghai and surrounding soil. Organic Geochemistry, 2012, 47, 78-87.	0.9	84
30	Phylogeography of regional fauna on the Tibetan Plateau: A review. Progress in Natural Science: Materials International, 2009, 19, 789-799.	1.8	82
31	Geochemistry of basal Cambrian black shales and cherts from the Northern Tarim Basin, Northwest China: Implications for depositional setting and tectonic history. Journal of Asian Earth Sciences, 2009, 34, 418-436.	1.0	82
32	RNA-Based Investigation of Ammonia-Oxidizing Archaea in Hot Springs of Yunnan Province, China. Applied and Environmental Microbiology, 2010, 76, 4538-4541.	1.4	81
33	Sequencing of Multiple Clostridial Genomes Related to Biomass Conversion and Biofuel Production. Journal of Bacteriology, 2010, 192, 6494-6496.	1.0	81
34	Archaeal and bacterial diversity in hot springs on the Tibetan Plateau, China. Extremophiles, 2011, 15, 549-563.	0.9	80
35	Microbial reduction of structural Fe3+ in nontronite by a thermophilic bacterium and its role in promoting the smectite to illite reaction. American Mineralogist, 2007, 92, 1411-1419.	0.9	75
36	Effects of redox cycling of iron in nontronite on reduction of technetium. Chemical Geology, 2012, 291, 206-216.	1.4	75

#	Article	IF	Citations
37	Diversity and Abundance of Ammonia-Oxidizing Archaea and Bacteria in Qinghai Lake, Northwestern China. Geomicrobiology Journal, 2009, 26, 199-211.	1.0	74
38	Mineral-microbe interactions: a review. Frontiers of Earth Science, 2010, 4, 127-147.	0.5	70
39	Partitioning of Fe(II) in reduced nontronite (NAu-2) to reactive sites: reactivity in terms of Tc(VII) reduction. Clays and Clay Minerals, 2008, 56, 175-189.	0.6	64
40	Cultivation and characterization of thermophilicNitrospiraspecies from geothermal springs in the US Great Basin, China, and Armenia. FEMS Microbiology Ecology, 2013, 85, 283-292.	1.3	64
41	Reduced Iron-Containing Clay Minerals as Antibacterial Agents. Environmental Science & Technology, 2017, 51, 7639-7647.	4.6	64
42	Microbial Community in High Arsenic Shallow Groundwater Aquifers in Hetao Basin of Inner Mongolia, China. PLoS ONE, 2015, 10, e0125844.	1.1	63
43	Stimulation of Fe(II) Oxidation, Biogenic Lepidocrocite Formation, and Arsenic Immobilization by Pseudogulbenkiania Sp. Strain 2002. Environmental Science & Technology, 2016, 50, 6449-6458.	4.6	63
44	Bioleaching of rare earth elements from bastnaesite-bearing rock by actinobacteria. Chemical Geology, 2018, 483, 544-557.	1.4	63
45	Microbial effects in promoting the smectite to illite reaction: Role of organic matter intercalated in the interlayer. American Mineralogist, 2007, 92, 1401-1410.	0.9	62
46	Dominance of putative marine benthic Archaea in Qinghai Lake, northâ€western China. Environmental Microbiology, 2008, 10, 2355-2367.	1.8	62
47	Microbial diversity in acid mine drainage of Xiang Mountain sulfide mine, Anhui Province, China. Extremophiles, 2010, 14, 465-474.	0.9	61
48	Latitudinal Distribution of Ammonia-Oxidizing Bacteria and Archaea in the Agricultural Soils of Eastern China. Applied and Environmental Microbiology, 2014, 80, 5593-5602.	1.4	60
49	A review of the microbiology of the Rehai geothermal field in Tengchong, Yunnan Province, China. Geoscience Frontiers, 2012, 3, 273-288.	4.3	59
50	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
51	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
52	Production of Branched Tetraether Lipids in the Lower Pearl River and Estuary: Effects of Extraction Methods and Impact on bGDGT Proxies. Frontiers in Microbiology, 2011, 2, 274.	1.5	58
53	Microbial reduction of Fe(III) in smectite minerals by thermophilic methanogen Methanothermobacter thermautotrophicus. Geochimica Et Cosmochimica Acta, 2013, 106, 203-215.	1.6	57
54	Seasonal patterns in microbial communities inhabiting the hot springs of <scp>T</scp>engchong, <scp>Y</scp>unnan Province, <scp>C</scp>hina. Environmental Microbiology, 2014, 16, 1579-1591.	1.8	57

#	Article	IF	Citations
55	Ti content in Huguangyan maar lake sediment as a proxy for monsoonâ€induced vegetation density in the Holocene. Geophysical Research Letters, 2013, 40, 5757-5763.	1.5	56
56	Identification of Photosynthetic Plankton Communities Using Sedimentary Ancient DNA and Their Response to late-Holocene Climate Change on the Tibetan Plateau. Scientific Reports, 2014, 4, 6648.	1.6	56
57	Nontronite particle aggregation induced by microbial Fe(III) reduction and exopolysaccharide production. Clays and Clay Minerals, 2007, 55, 96-107.	0.6	53
58	Co-occurrence of nitrite-dependent anaerobic methane oxidizing and anaerobic ammonia oxidizing bacteria in two Qinghai-Tibetan saline lakes. Frontiers of Earth Science, 2012, 6, 383-391.	0.9	53
59	Water depth affecting thaumarchaeol production in Lake Qinghai, northeastern Qinghaiâ€“Tibetan plateau: Implications for paleo lake levels and paleoclimate. Chemical Geology, 2014, 368, 76-84.	1.4	53
60	Sedimentary archaeal amoA gene abundance reflects historic nutrient level and salinity fluctuations in Qinghai Lake, Tibetan Plateau. Scientific Reports, 2016, 5, 18071.	1.6	52
61	Fe2+ sorption onto nontronite (NAu-2). Geochimica Et Cosmochimica Acta, 2008, 72, 5361-5371.	1.6	50
62	Abundance and diversity of aerobic anoxygenic phototrophic bacteria in saline lakes on the Tibetan plateau. FEMS Microbiology Ecology, 2009, 67, 268-278.	1.3	47
63	Microbial diversity in cold seep sediments from the northern South China Sea. Geoscience Frontiers, 2012, 3, 301-316.	4.3	47
64	A less or more dusty future in the Northern Qinghai-Tibetan Plateau?. Scientific Reports, 2014, 4, 6672.	1.6	47
65	Magnetic properties of muddy sediments on the northeastern continental shelves of China: Implication for provenance and transportation. Marine Geology, 2010, 274, 107-119.	0.9	46
66	The Formation of Illite from Nontronite by Mesophilic and Thermophilic Bacterial Reaction. Clays and Clay Minerals, 2011, 59, 21-33.	0.6	45
67	Microbial Community of High Arsenic Groundwater in Agricultural Irrigation Area of Hetao Plain, Inner Mongolia. Frontiers in Microbiology, 2016, 7, 1917.	1.5	44
68	Enhanced and stabilized arsenic retention in microcosms through the microbial oxidation of ferrous iron by nitrate. Chemosphere, 2016, 144, 1106-1115.	4.2	44
69	Deglacial and Holocene Archaeal Lipid-Inferred Paleohydrology and Paleotemperature History of Lake Qinghai, Northeastern Qinghaiâ€“Tibetan Plateau. Quaternary Research, 2015, 83, 116-126.	1.0	43
70	Kinetic Analysis of Microbial Reduction of Fe(III) in Nontronite. Environmental Science & Technology, 2007, 41, 2437-2444.	4.6	41
71	Response of Archaeal Community Structure to Environmental Changes in Lakes on the Tibetan Plateau, Northwestern China. Geomicrobiology Journal, 2009, 26, 289-297.	1.0	41
72	Continental Scientific Drilling Project of Cretaceous Songliao Basin: Scientific objectives and drilling technology. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 385, 6-16.	1.0	41

#	Article	IF	Citations
73	Greater temporal changes of sediment microbial community than its waterborne counterpart in Tengchong hot springs, Yunnan Province, China. Scientific Reports, 2014, 4, 7479.	1.6	41
74	Effects of citrate on hexavalent chromium reduction by structural Fe(II) in nontronite. Journal of Hazardous Materials, 2018, 343, 245-254.	6.5	41
75	Coupling of Fe(II) oxidation in illite with nitrate reduction and its role in clay mineral transformation. Geochimica Et Cosmochimica Acta, 2017, 200, 353-366.	1.6	40
76	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. International Geology Review, 2007, 49, 454-478.	1.1	39
77	Microbially mediated dolomite in Cambrian stromatolites from the Tarim Basin, northâ€west China: implications for the role of organic substrate on dolomite precipitation. Terra Nova, 2013, 25, 387-395.	0.9	39
78	Microbial production of long-chain n-alkanes: Implication for interpreting sedimentary leaf wax signals. Organic Geochemistry, 2018, 115, 24-31.	0.9	39
79	Microbial Diversity in the Deep Marine Sediments from the Qiongdongnan Basin in South China Sea. Geomicrobiology Journal, 2007, 24, 505-517.	1.0	38
80	Microbial reduction of chlorite and uranium followed by air oxidation. Chemical Geology, 2011, 283, 242-250.	1.4	38
81	Endolithic Bacterial Communities in Dolomite and Limestone Rocks from the Nanjiang Canyon in Guizhou Karst Area (China). Geomicrobiology Journal, 2012, 29, 213-225.	1.0	38
82	Distribution and Diversity of Cyanobacteria and Eukaryotic Algae in Qinghaiâ€“Tibetan Lakes. Geomicrobiology Journal, 2016, 33, 860-869.	1.0	38
83	High beta diversity of bacteria in the shallow terrestrial subsurface. Environmental Microbiology, 2008, 10, 2537-2549.	1.8	36
84	ActinobacterialDiversity in Hot Springs in Tengchong (China), Kamchatka (Russia), and Nevada (USA). Geomicrobiology Journal, 2009, 26, 256-263.	1.0	36
85	Mineral transformations associated with goethite reduction by Methanosarcina barkeri. Chemical Geology, 2011, 288, 53-60.	1.4	36
86	Single-Cell-Genomics-Facilitated Read Binning of Candidate Phylum EM19 Genomes from Geothermal Spring Metagenomes. Applied and Environmental Microbiology, 2016, 82, 992-1003.	1.4	36
87	Hexavalent chromium removal by chitosan modified-bioreduced nontronite. Geochimica Et Cosmochimica Acta, 2017, 210, 25-41.	1.6	36
88	Bacterial Succession within an Ephemeral Hypereutrophic Mojave Desert Playa Lake. Microbial Ecology, 2009, 57, 307-320.	1.4	35
89	Planktonic actinobacterial diversity along a salinity gradient of a river and five lakes on the Tibetan Plateau. Extremophiles, 2010, 14, 367-376.	0.9	35
90	Diversity of microbial plankton across the Three Gorges Dam of the Yangtze River, China. Geoscience Frontiers, 2012, 3, 335-349.	4.3	35

#	Article	IF	Citations
91	Microbial Diversity in High Arsenic Groundwater in Hetao Basin of Inner Mongolia, China. Geomicrobiology Journal, 2013, 30, 897-909.	1.0	35
92	Thioarsenate Formation Coupled with Anaerobic Arsenite Oxidation by a Sulfate-Reducing Bacterium Isolated from a Hot Spring. Frontiers in Microbiology, 2017, 8, 1336.	1.5	35
93	Assessing the ratio of archaeol to caldarchaeol as a salinity proxy in highland lakes on the northeastern Qinghaiâ€“Tibetan Plateau. Organic Geochemistry, 2013, 54, 69-77.	0.9	34
94	amoA-encoding archaea and thaumarchaeol in the lakes on the northeastern Qinghai-Tibetan Plateau, China. Frontiers in Microbiology, 2013, 4, 329.	1.5	34
95	Diversity of Actinobacterial community in saline sediments from Yunnan and Xinjiang, China. Extremophiles, 2009, 13, 623-632.	0.9	32
96	Smectite Reduction byShewanellaSpecies as Facilitated by Cystine and Cysteine. Geomicrobiology Journal, 2014, 31, 53-63.	1.0	32
97	Humic acid-enhanced illite and talc formation associated with microbial reduction of Fe(III) in nontronite. Chemical Geology, 2016, 447, 199-207.	1.4	32
98	Isolation of diverse members of the Aquificales from geothermal springs in Tengchong, China. Frontiers in Microbiology, 2015, 6, 157.	1.5	31
99	Organic structural properties of kerogen as predictors of source rock type and hydrocarbon potential. Fuel, 2016, 184, 792-798.	3.4	31
100	Biomineralization associated with microbial reduction of Fe3+ and oxidation of Fe2+ in solid minerals. American Mineralogist, 2009, 94, 1049-1058.	0.9	30
101	Evaluation of glycerol dialkyl glycerol tetraether proxies for reconstruction of the paleo-environment on the Qinghai-Tibetan Plateau. Organic Geochemistry, 2013, 61, 45-56.	0.9	30
102	Coupled Diffusion and Abiotic Reaction of Trichlorethene in Minimally Disturbed Rock Matrices. Environmental Science & Technology, 2013, 47, 4291-4298.	4.6	30
103	Preservation of organic matter in nontronite against iron redox cycling. American Mineralogist, 2016, 101, 120-133.	0.9	30
104	Significant seasonal variations of microbial community in an acid mine drainage lake in Anhui Province, China. Environmental Pollution, 2017, 223, 507-516.	3.7	30
105	Impacts of environmental change and human activity on microbial ecosystems on the Tibetan Plateau, NW China. GSA Today, 2010, , 4-10.	1.1	30
106	Distribution of ether lipids and composition of the archaeal community in terrestrial geothermal springs: impact of environmental variables. Environmental Microbiology, 2015, 17, 1600-1614.	1.8	29
107	Distinguishing ectomycorrhizal and saprophytic fungi using carbon and nitrogen isotopic compositions. Geoscience Frontiers, 2012, 3, 351-356.	4.3	28
108	Abundance and Diversity of Sulfate-Reducing Bacteria in High Arsenic Shallow Aquifers. Geomicrobiology Journal, 2014, 31, 802-812.	1.0	28

#	Article	IF	Citations
109	The role of Fe(III) bioreduction by methanogens in the preservation of organic matter in smectite. Chemical Geology, 2014, 389, 16-28.	1.4	27
110	Correlation between bacterial attachment rate coefficients and hydraulic conductivity and its effect on field-scale bacterial transport. Advances in Water Resources, 2007, 30, 1571-1582.	1.7	26
111	Response of Aerobic Anoxygenic Phototrophic Bacterial Diversity to Environment Conditions in Saline Lakes and Daotang River on the Tibetan Plateau, NW China. Geomicrobiology Journal, 2010, 27, 400-408.	1.0	26
112	Temporal Succession of Ancient Phytoplankton Community in Qinghai Lake and Implication for Paleo-environmental Change. Scientific Reports, 2016, 6, 19769.	1.6	25
113	Diversity and abundance of the arsenite oxidase gene aioA in geothermal areas of Tengchong, Yunnan, China. Extremophiles, 2014, 18, 161-170.	0.9	24
114	Adsorption and mineralization of REEâ€"lanthanum onto bacterial cell surface. Environmental Science and Pollution Research, 2018, 25, 22334-22339.	2.7	24
115	The role of clay minerals in the preservation of organic matter in sediments of Qinghai Lake, NW China. Clays and Clay Minerals, 2009, 57, 213-226.	0.6	23
116	p-Cu2O/n-ZnO heterojunction fabricated by hydrothermal method. Applied Physics A: Materials Science and Processing, 2012, 109, 751-756.	1.1	23
117	Reverse-transcriptional gene expression of anammox and ammonia-oxidizing archaea and bacteria in soybean and rice paddy soils of Northeast China. Applied Microbiology and Biotechnology, 2014, 98, 2675-2686.	1.7	23
118	Diversity and Abundance of Ammonia-Oxidizing Archaea and Bacteria in Diverse Chinese Paddy Soils. Geomicrobiology Journal, 2014, 31, 12-22.	1.0	23
119	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
120	Distribution of glycerol dialkyl glycerol tetraethers in Tibetan hot springs. Geoscience Frontiers, 2012, 3, 289-300.	4.3	22
121	Ammonia-oxidizing Archaea in Kamchatka Hot Springs. Geomicrobiology Journal, 2011, 28, 149-159.	1.0	21
122	Abiotic dechlorination in rock matrices impacted by long-term exposure to TCE. Chemosphere, 2015, 119, 744-749.	4.2	21
123	Understanding the Growth Mechanism of GaN Epitaxial Layers on Mechanically Exfoliated Graphite. Nanoscale Research Letters, 2018, 13, 130.	3.1	21
124	Role of Microbial Fe(III) Reduction and Solution Chemistry in Aggregation and Settling of Suspended Particles in the Mississippi River Delta Plain, Louisiana, USA. Clays and Clay Minerals, 2008, 56, 416-428.	0.6	20
125	Effect of hydrogen treatment temperature on the properties of InGaN/GaN multiple quantum wells. Nanoscale Research Letters, 2017, 12, 321.	3.1	20
126	Transformation of halloysite and kaolinite into beidellite under hydrothermal condition. American Mineralogist, 2017, 102, 997-1005.	0.9	20

#	Article	IF	Citations
127	Low-temperature feldspar and illite formation through bioreduction of Fe(III)-bearing smectite by an alkaliphilic bacterium. Chemical Geology, 2015, 406, 25-33.	1.4	19
128	Distribution and Diversity of Aerobic Carbon Monoxide-Oxidizing Bacteria in Geothermal Springs of China, the Philippines, and the United States. Geomicrobiology Journal, 2015, 32, 903-913.	1.0	19
129	Biological reduction of structural Fe(III) in smectites by a marine bacterium at 0.1 and 20 MPa. Chemical Geology, 2016, 438, 1-10.	1.4	19
130	Microbial Community Composition in Acid Mine Drainage Lake of Xiang Mountain Sulfide Mine in Anhui Province, China. Geomicrobiology Journal, 2012, 29, 886-895.	1.0	18
131	GaN epitaxial layers grown on multilayer graphene by MOCVD. AIP Advances, 2018, 8, .	0.6	18
132	Iron and phosphorus effects on the growth of Cryptomonas sp. (Cryptophyceae) and their availability in sediments from the Pearl River Estuary, China. Estuarine, Coastal and Shelf Science, 2007, 73, 501-509.	0.9	17
133	Actinobacterial Diversity in Microbial Mats of Five Hot Springs in Central and Central-Eastern Tibet, China. Geomicrobiology Journal, 2012, 29, 520-527.	1.0	17
134	Diversity of Carbon Monoxide-Oxidizing Bacteria in Five Lakes on the Qinghai-Tibet Plateau, China. Geomicrobiology Journal, 2013, 30, 758-767.	1.0	17
135	Abundance and Diversity of Sulfur-Oxidizing Bacteria along a Salinity Gradient in Four Qinghai-Tibetan Lakes, China. Geomicrobiology Journal, 2013, 30, 851-860.	1.0	17
136	Influence of substrate misorientation on the photoluminescence and structural properties of InGaAs/GaAsP multiple quantum wells. Nanoscale, 2016, 8, 6043-6056.	2.8	17
137	Generation of hydrothermal Feâ€Si oxyhydroxide deposit on the Southwest Indian Ridge and its implication for the origin of ancient banded iron formations. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 187-203.	1.3	16
138	Succession of Acidophilic Bacterial Community During Bio-oxidation of Refractory Gold-Containing Sulfides. Geomicrobiology Journal, 2010, 27, 683-691.	1.0	15
139	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. Clays and Clay Minerals, 2011, 59, 176-188.	0.6	15
140	Differential temperature and pH controls on the abundance and composition of H-GDGTs in terrestrial hot springs. Organic Geochemistry, 2014, 75, 109-121.	0.9	15
141	Effect of potential barrier height on the carrier transport in InGaAs/GaAsP multi-quantum wells and photoelectric properties of laser diode. Physical Chemistry Chemical Physics, 2016, 18, 6901-6912.	1.3	15
142	Iron and lead ion adsorption by microbial flocculants in synthetic wastewater and their related carbonate formation. Journal of Environmental Sciences, 2013, 25, 2422-2428.	3.2	13
143	Environmental controls on the distribution of archaeal lipids in <scp>T</scp>ibetan hot springs: insight into the application of organic proxies for biogeochemical processes. Environmental Microbiology Reports, 2013, 5, 868-882.	1.0	13
144	Inhibitory effect of clay mineral on methanogenesis by Methanosarcina mazei and Methanothermobacter thermautotrophicus. Applied Clay Science, 2016, 126, 25-32.	2.6	13

#	Article	IF	Citations
145	A 12-kyr record of microbial branched and isoprenoid tetraether index in Lake Qinghai, northeastern Qinghai-Tibet Plateau: Implications for paleoclimate reconstruction. Science China Earth Sciences, 2016, 59, 951-960.	2.3	13
146	Surface Morphology Evolution Mechanisms of InGaN/GaN Multiple Quantum Wells with Mixture N2/H2-Grown GaN Barrier. Nanoscale Research Letters, 2017, 12, 354.	3.1	13
147	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
148	Taxonomic and Functional Diversity Provides Insight into Microbial Pathways and Stress Responses in the Saline Qinghai Lake, China. PLoS ONE, 2014, 9, e111681.	1.1	12
149	Production of branched tetraether lipids in Tibetan hot springs: A possible linkage to nitrite reduction by thermotolerant or thermophilic bacteria?. Chemical Geology, 2014, 386, 209-217.	1.4	12
150	Smectite, illite, and early diagenesis in South Pacific Gyre subseafloor sediment. Applied Clay Science, 2016, 134, 34-43.	2.6	12
151	Relative importance of advective flow versus environmental gradient in shaping aquatic ammonium oxidizers near the Three Gorges Dam of the Yangtze River, China. Environmental Microbiology Reports, 2016, 8, 667-674.	1.0	12
152	The interaction of fungus with calcite and the effects on aqueous Geochemistry in karst systems. Carbonates and Evaporites, 2013, 28, 413-418.	0.4	11
153	Wide distribution of autochthonous branched glycerol dialkyl glycerol tetraethers (bGDGTs) in U.S. Great Basin hot springs. Frontiers in Microbiology, 2013, 4, 222.	1.5	11
154	Metabolic Influence of Psychrophilic Diatoms on Travertines at the Huanglong Natural Scenic District of China. International Journal of Environmental Research and Public Health, 2014, 11, 13084-13096.	1.2	11
155	Archaeal Lipids and 16S rRNA Genes Characterizing Non-hydrate and Hydrate-Impacted Sediments in the Gulf of Mexico. Geomicrobiology Journal, 2009, 26, 227-237.	1.0	10
156	Bioavailability of Fe(III) In Loess Sediments: An Important Source of Electron Acceptors. Clays and Clay Minerals, 2010, 58, 542-557.	0.6	10
157	Microbial diversity in two cold springs on the Qinghai-Tibetan Plateau. Geoscience Frontiers, 2012, 3, 317-325.	4.3	10
158	Abundance and Diversity of Ammonia-Oxidizing Bacteria and Archaea in Cold Springs on the Qinghai-Tibet Plateau. Geomicrobiology Journal, 2013, 30, 530-539.	1.0	10
159	Permanganate diffusion and reaction in sedimentary rocks. Journal of Contaminant Hydrology, 2014, 159, 36-46.	1.6	10
160	Microbial Diversity and Community Structure on Corroding Concretes. Geomicrobiology Journal, 2012, 29, 450-458.	1.0	9
161	Use of microfocused X-ray techniques to investigate the mobilization of arsenic by oxalic acid. Geochimica Et Cosmochimica Acta, 2012, 91, 254-270.	1.6	9
162	Investigation of the growth temperature on indium diffusion in InGaAs/GaAsP multiple quantum wells and photoelectric properties. RSC Advances, 2015, 5, 75211-75217.	1.7	9

#	Article	IF	Citations
163	[Cobalt(III)â€“EDTA]â^' reduction by thermophilic methanogen Methanothermobacter thermautotrophicus. Chemical Geology, 2015, 411, 49-56.	1.4	8
164	Effects of Ga_xZn_{1â^'x}O nanorods on the photoelectric properties of n-ZnO nanorods/p-GaN heterojunction light-emitting diodes. RSC Advances, 2017, 7, 49613-49617.	1.7	8
165	Abundance and diversity of candidate division JS1- and Chloroflexi-related bacteria in cold seep sediments of the northern South China Sea. Frontiers of Earth Science, 2012, 6, 373-382.	0.9	7
166	The distribution and abundance of archaeal tetraether lipids in U.S. Great Basin hot springs. Frontiers in Microbiology, 2013, 4, 247.	1.5	7
167	Distribution of Arsenite-Oxidizing Bacteria and its Correlation with Temperature in Hot Springs of the Tibetan-Yunnan Geothermal Zone in Western China. Geomicrobiology Journal, 2015, 32, 482-493.	1.0	7
168	Inhibition of bacterial oxidation of ferrous iron by lead nitrate in sulfate-rich systems. Journal of Hazardous Materials, 2013, 244-245, 718-725.	6.5	6
169	Comparison of reduction extent of Fe(III) in nontronite by Shewanella putrefaciens and Desulfovibrio vulgaris. Journal of Earth Science (Wuhan, China), 2010, 21, 297-299.	1.1	5
170	Self-Assembly of Water-Soluble Glutathione Thiol-Capped n-Hematiteâ€“pâ€“XZn-Ferrites (X = Mg, Mn, or) Tj ETQq0 0 0 rgBT /Overlock	1.5	5
171	Growth and optical properties of GaN pyramids using in-situ deposited SiNx layer. Materials Letters, 2018, 224, 86-88.	1.3	5
172	Abundance and taxonomic affiliation of molybdenum transport and utilization genes in Tengchong hot springs, China. Environmental Microbiology, 2018, 20, 2397-2409.	1.8	5
173	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
174	Geomicrobiology Research in China: Mineral-Microbe Interactions. Geomicrobiology Journal, 2012, 29, 197-198.	1.0	4
175	The Response of Potentially Active Planktonic Actinobacteria to the Construction of Three Gorges Dam of the Yangtze River, China. Geomicrobiology Journal, 2012, 29, 114-123.	1.0	4
176	A carbon free filter for collection of large volume samples of cellular biomass from oligotrophic waters. Journal of Microbiological Methods, 2012, 90, 145-151.	0.7	4
177	Natural attenuation potential of tricholoroethene in wetland plant roots: Role of native ammonium-oxidizing microorganisms. Chemosphere, 2015, 119, 971-977.	4.2	4
178	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
179	Biosynthesized magnetite-perovskite (XFe2O4-BiFeO3) interfaces for toxic trace metal removal from aqueous solution. Ceramics International, 2018, 44, 21210-21220.	2.3	4
180	The limited role of aquifer heterogeneity on metal reduction in an Atlantic coastal plain determined by push-pull tests. Applied Geochemistry, 2007, 22, 974-995.	1.4	2

#	Article	IF	Citations
181	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
182	Biogeochemistry and geomicrobiology in extreme environments: Preface. Geoscience Frontiers, 2012, 3, 269-271.	4.3	1
183	Tectonomicrobiology: A new paradigm for geobiological research. Science China Earth Sciences, 2018, 61, 494-498.	2.3	1
184	Who's Who in Mineral Names. Rocks and Minerals, 2007, 82, 516-519.	0.0	0
185	Crucial Roles of Iron in the Growth of Prorocentrum micans Ehrenberg (Dinophyceae). Journal of Coastal Research, 2008, 4, 176-183.	0.1	0
186	Effect of GaN Barrier Layer Thickness on Morphology and Optical Properties of Multilayer InGaN Quantum Dots. , 2018, , .		0