Chuanlun Zhang

List of Publications by Year
in descending order

166 papers	7,810 citations	38660 50 h-index	62479 80 g-index
170 all docs	170 docs citations	170 times ranked	6747 citing authors

#	Article	IF	Citations
1	Ages and magnetic structures of the South China Sea constrained by deep tow magnetic surveys and IODP Expedition 349. Geochemistry, Geophysics, Geosystems, 2014, 15, 4958-4983.	1.0	419
2	Methane Index: A tetraether archaeal lipid biomarker indicator for detecting the instability of marine gas hydrates. Earth and Planetary Science Letters, 2011, 307, 525-534.	1.8	233
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	Global Occurrence of Archaeal <i>amoA</i> Genes in Terrestrial Hot Springs. Applied and Environmental Microbiology, 2008, 74, 6417-6426.	1.4	189
6	Nonmarine Crenarchaeol in Nevada Hot Springs. Applied and Environmental Microbiology, 2004, 70, 5229-5237.	1.4	168
7	Control of Temperature on Microbial Community Structure in Hot Springs of the Tibetan Plateau. PLoS ONE, 2013, 8, e62901.	1.1	157
8	Seismic stratigraphy of the central South China Sea basin and implications for neotectonics. Journal of Geophysical Research: Solid Earth, 2015, 120, 1377-1399.	1.4	155
9	Thermophilic Fe(III)-Reducing Bacteria from the Deep Subsurface: The Evolutionary Implications. Science, 1997, 277, 1106-1109.	6.0	147
10	GeoChip-based analysis of metabolic diversity of microbial communities at the Juan de Fuca Ridge hydrothermal vent. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4840-4845.	3.3	139
11	In-House Standard Method for Molecular Characterization of Dissolved Organic Matter by FT-ICR Mass Spectrometry. ACS Omega, 2020, 5, 11730-11736.	1.6	128
12	Alkaline Anaerobic Respiration: Isolation and Characterization of a Novel Alkaliphilic and Metal-Reducing Bacterium. Applied and Environmental Microbiology, 2004, 70, 5595-5602.	1.4	125
13	Factors Controlling the Distribution of Archaeal Tetraethers in Terrestrial Hot Springs. Applied and Environmental Microbiology, 2008, 74, 3523-3532.	1.4	125
14	Quantifying carbon sources in the formation of authigenic carbonates at gas hydrate sites in the Gulf of Mexico. Chemical Geology, 2004, 205, 253-264.	1.4	123
15	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
16	Evidence for Autotrophy via the Reverse Tricarboxylic Acid Cycle in the Marine Magnetotactic Coccus Strain MC-1. Applied and Environmental Microbiology, 2006, 72, 1322-1329.	1.4	120
17	Marine Group II Archaea, potentially important players in the global ocean carbon cycle. Frontiers in Microbiology, 2015, 6, 1108.	1.5	119
18	BIOGEOCHEMICAL AND ENVIRONMENTAL FACTORS IN Fe BIOMINERALIZATION: MAGNETITE AND SIDERITE FORMATION. Clays and Clay Minerals, 2003, 51, 83-95.	0.6	116

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19	Isolation, Characterization, and Ecology of Sulfur-Respiring <i>Crenarchaea</i> Inhabiting Acid-Sulfate-Chloride-Containing Geothermal Springs in Yellowstone National Park. Applied and Environmental Microbiology, 2007, 73, 6669-6677.	1.4	102
20	Evolving paradigms in biological carbon cycling in the ocean. National Science Review, 2018, 5, 481-499.	4.6	100
21	Salinity-dominated change in community structure and ecological function of Archaea from the lower Pearl River to coastal South China Sea. Applied Microbiology and Biotechnology, 2014, 98, 7971-7982.	1.7	98
22	Single-cell genomics shedding light on marine Thaumarchaeota diversification. ISME Journal, 2014, 8, 732-736.	4.4	98
23	Formation of tabular single-domain magnetite induced by Geobacter metallireducens GS-15. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16121-16126.	3.3	97
24	Lipid Biomarkers and Carbon Isotope Signatures of a Microbial (Beggiatoa) Mat Associated with Gas Hydrates in the Gulf of Mexico. Applied and Environmental Microbiology, 2005, 71, 2106-2112.	1.4	97
25	Iron reduction and alteration of nontronite NAu-2 by a sulfate-reducing bacterium. Geochimica Et Cosmochimica Acta, 2004, 68, 3251-3260.	1.6	93
26	Stable-isotope stratigraphy of brachiopods from Pennsylvanian shales in Texas. Bulletin of the Geological Society of America, 1991, 103, 953-965.	1.6	89
27	Thermophilic Temperature Optimum for Crenarchaeol Synthesis and Its Implication for Archaeal Evolution. Applied and Environmental Microbiology, 2006, 72, 4419-4422.	1.4	89
28	Reduction of Iron Oxides Enhanced by a Sulfate-Reducing Bacterium and Biogenic H2S. Geomicrobiology Journal, 2006, 23, 103-117.	1.0	88
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	Physiochemical, mineralogical, and isotopic characterization of magnetite-rich iron oxides formed by thermophilic iron-reducing bacteria. Geochimica Et Cosmochimica Acta, 1997, 61, 4621-4632.	1.6	83
31	Archaeal lipid biomarkers and isotopic evidence of anaerobic methane oxidation associated with gas hydrates in the Gulf of Mexico. Organic Geochemistry, 2003, 34, 827-836.	0.9	83
32	Temperature and pH controls on glycerol dibiphytanyl glycerol tetraether lipid composition in the hyperthermophilic crenarchaeon Acidilobus sulfurireducens. Extremophiles, 2011, 15, 59-65.	0.9	83
33	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
34	Archaeal and bacterial diversity in hot springs on the Tibetan Plateau, China. Extremophiles, 2011, 15, 549-563.	0.9	80
35	Archaeal tetraether lipids record subsurface water temperature in the South China Sea. Organic Geochemistry, 2012, 50, 68-77.	0.9	78
36	Microbial Diversity in Ultra-High-Pressure Rocks and Fluids from the Chinese Continental Scientific Drilling Project in China. Applied and Environmental Microbiology, 2005, 71, 3213-3227.	1.4	77

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37	An interlaboratory study of TEX₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	1.0	76
38	Phylogenetic analyses with systematic taxon sampling show that mitochondria branch within Alphaproteobacteria. Nature Ecology and Evolution, 2020, 4, 1213-1219.	3.4	75
39	Vertical distribution and diversity of sulfate-reducing prokaryotes in the Pearl River estuarine sediments, Southern China. FEMS Microbiology Ecology, 2009, 70, 249-262.	1.3	72
40	The Role of Tetraether Lipid Composition in the Adaptation of Thermophilic Archaea to Acidity. Frontiers in Microbiology, 2013, 4, 62.	1.5	69
41	Distribution of glycerol dialkyl glycerol tetraether lipids along an altitudinal transect on Mt. Xiangpi, NE Qinghai-Tibetan Plateau, China. Organic Geochemistry, 2013, 57, 76-83.	0.9	68
42	Spatial Variations in Archaeal Lipids of Surface Water and Core-Top Sediments in the South China Sea and Their Implications for Paleoclimate Studies. Applied and Environmental Microbiology, 2011, 77, 7479-7489.	1.4	67
43	Metagenomic evidence for the presence of phototrophic <scp>G</scp>emmatimonadetes bacteria in diverse environments. Environmental Microbiology Reports, 2016, 8, 139-149.	1.0	66
44	Carbon isotope signatures of fatty acids in Geobacter metallireducens and Shewanella algae. Chemical Geology, 2003, 195, 17-28.	1.4	65
45	Lipid biomarkers and carbon-isotopes of modern travertine deposits (Yellowstone National Park, USA): Implications for biogeochemical dynamics in hot-spring systems. Geochimica Et Cosmochimica Acta, 2004, 68, 3157-3169.	1.6	63
46	Dominance of putative marine benthic <i>Archaea</i> in Qinghai Lake, northâ€western China. Environmental Microbiology, 2008, 10, 2355-2367.	1.8	62
47	Alternative strategies of nutrient acquisition and energy conservation map to the biogeography of marine ammonia-oxidizing archaea. ISME Journal, 2020, 14, 2595-2609.	4.4	62
48	Thaumarchaeotal Signature Gene Distribution in Sediments of the Northern South China Sea: an Indicator of the Metabolic Intersection of the Marine Carbon, Nitrogen, and Phosphorus Cycles?. Applied and Environmental Microbiology, 2013, 79, 2137-2147.	1.4	58
49	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
50	Sea-level changes and carbonate platform evolution of the Xisha Islands (South China Sea) since the Early Miocene. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 485, 504-516.	1.0	57
51	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
52	Occurrence of tetraether lipids in stalagmites: Implications for sources and GDGT-based proxies. Organic Geochemistry, 2011, 42, 108-115.	0.9	50
53	Enhancement of Fe(III), Co(III), and Cr(VI) reduction at elevated temperatures and by a thermophilic bacterium. Applied Biochemistry and Biotechnology, 1996, 57-58, 923-932.	1.4	49
54	Diversity of Crenarchaeota in terrestrial hot springs in Tengchong, China. Extremophiles, 2010, 14, 287-296.	0.9	49

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55	Diversity of functional genes for methanotrophs in sediments associated with gas hydrates and hydrocarbon seeps in the Gulf of Mexico. FEMS Microbiology Ecology, 2006, 57, 251-259.	1.3	48
56	Dependence of the cyclization of branched tetraethers on soil moisture in alkaline soils from aridâ€“subhumid China: implications for palaeorainfall reconstructions on the Chinese Loess Plateau. Biogeosciences, 2014, 11, 6755-6768.	1.3	48
57	Microbial glycerol dialkyl glycerol tetraethers from river water and soil near the Three Gorges Dam on the Yangtze River. Organic Geochemistry, 2013, 56, 40-50.	0.9	44
58	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
59	Unusually low TEX86 values in the transitional zone between Pearl River estuary and coastal South China Sea: Impact of changing archaeal community composition. Chemical Geology, 2015, 402, 18-29.	1.4	42
60	Lipid biomarkers preserved in hydrate-associated authigenic carbonate rocks of the Gulf of Mexico. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 227, 48-66.	1.0	41
61	Distribution of aliphatic des-A-triterpenoids in the Dajiuhu peat deposit, southern China. Organic Geochemistry, 2008, 39, 1765-1771.	0.9	41
62	Branched and isoprenoid tetraether (BIT) index traces water content along two marsh-soil transects surrounding Lake Qinghai: Implications for paleo-humidity variation. Organic Geochemistry, 2013, 59, 75-81.	0.9	41
63	Spatial patterns of bacterial signature biomarkers in marine sediments of the Gulf of Mexico. Chemical Geology, 2007, 238, 168-179.	1.4	36
64	<i>Actinobacterial</i>Diversity in Hot Springs in Tengchong (China), Kamchatka (Russia), and Nevada (USA). Geomicrobiology Journal, 2009, 26, 256-263.	1.0	36
65	Grain size and depth constraints on microbial variability in coastal plain subsurface sediments. Geomicrobiology Journal, 1998, 15, 171-185.	1.0	35
66	Diversity of microbial plankton across the Three Gorges Dam of the Yangtze River, China. Geoscience Frontiers, 2012, 3, 335-349.	4.3	35
67	Distribution of tetraether lipids in surface sediments of the northern South China Sea: Implications for TEX86 proxies. Geoscience Frontiers, 2013, 4, 223-229.	4.3	35
68	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
69	amoA-encoding archaea and thaumarchaeol in the lakes on the northeastern Qinghai-Tibetan Plateau, China. Frontiers in Microbiology, 2013, 4, 329.	1.5	34
70	Population dynamics of methanogens and methanotrophs along the salinity gradient in Pearl River Estuary: implications for methane metabolism. Applied Microbiology and Biotechnology, 2020, 104, 1331-1346.	1.7	34
71	Introduction of a plasmid-encoded phoA gene for constitutive overproduction of alkaline phosphatase in three subsurface Pseudomonas isolates. FEMS Microbiology Ecology, 2002, 41, 115-123.	1.3	33
72	Influence of Growth Phase, pH, and Temperature on the Abundance and Composition of Tetraether Lipids in the Thermoacidophile Picrophilus torridus. Frontiers in Microbiology, 2016, 7, 1323.	1.5	33

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73	The Evolution Pathway of Ammonia-Oxidizing Archaea Shaped by Major Geological Events. Molecular Biology and Evolution, 2021, 38, 3637-3648.	3.5	33
74	Marine Group II Dominates Planktonic Archaea in Water Column of the Northeastern South China Sea. Frontiers in Microbiology, 2017, 8, 1098.	1.5	32
75	Tetraether lipids from the southern Yellow Sea of China: Implications for the variability of East Asia Winter Monsoon in the Holocene. Organic Geochemistry, 2014, 70, 10-19.	0.9	31
76	Lipid Biomarkers, Carbon Isotopes, and Phylogenetic Characterization of Bacteria in California and Nevada Hot Springs. Geomicrobiology Journal, 2007, 24, 519-534.	1.0	30
77	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
78	From ether to acid: A plausible degradation pathway of glycerol dialkyl glycerol tetraethers. Geochimica Et Cosmochimica Acta, 2016, 183, 138-152.	1.6	30
79	Insight Into the Pico- and Nano-Phytoplankton Communities in the Deepest Biosphere, the Mariana Trench. Frontiers in Microbiology, 2018, 9, 2289.	1.5	30
80	The Distribution of Bathyarchaeota in Surface Sediments of the Pearl River Estuary Along Salinity Gradient. Frontiers in Microbiology, 2020, 11, 285.	1.5	30
81	Carbon and hydrogen isotope fractionations associated with dissimilatory iron-reducing bacteria. Chemical Geology, 2003, 195, 5-16.	1.4	29
82	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
83	Sources and compositional distribution of organic carbon in surface sediments from the lower Pearl River to the coastal South China Sea. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2104-2117.	1.3	28
84	n-Alkan-2-one distributions in a northeastern China peat core spanning the last 16 kyr. Organic Geochemistry, 2011, 42, 25-30.	0.9	27
85	Glacialâ€“interglacial contrast in MBT/CBT proxies in the South China Sea: Implications for marine production of branched GDGTs and continental teleconnection. Organic Geochemistry, 2015, 79, 74-82.	0.9	27
86	Stratification of dissolved organic matter in the upper 2000â€¯m water column at the Mariana Trench. Science of the Total Environment, 2019, 668, 1222-1231.	3.9	26
87	Establishing a terrestrial proxy based on fluorescent dissolved organic matter from sediment pore waters in the East China Sea. Water Research, 2020, 182, 116005.	5.3	26
88	Community Structure of Archaea from Deep-Sea Sediments of the South China Sea. Microbial Ecology, 2010, 60, 796-806.	1.4	25
89	Hydrogen isotope ratios of aliphatic and diterpenoid hydrocarbons in coals and carbonaceous mudstones from the Liaohe Basin, China. Organic Geochemistry, 2006, 37, 165-176.	0.9	24
90	Molecular Phylogeny of Uncultivated<i>Crenarchaeota</i>in Great Basin Hot Springs of Moderately Elevated Temperature. Geomicrobiology Journal, 2007, 24, 535-542.	1.0	23

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91	Distribution of glycerol dialkyl glycerol tetraethers in Tibetan hot springs. Geoscience Frontiers, 2012, 3, 289-300.	4.3	22
92	In situ production of branched glycerol dialkyl glycerol tetraethers in a great basin hot spring (USA). Frontiers in Microbiology, 2013, 4, 181.	1.5	22
93	Temporal variation in community structure and lipid composition of Thaumarchaeota from subtropical soil: Insight into proposing a new soil pH proxy. Organic Geochemistry, 2015, 83-84, 54-64.	0.9	22
94	Branched GDGT production at elevated temperatures in anaerobic soil microcosm incubations. Organic Geochemistry, 2018, 117, 12-21.	0.9	22
95	Iron reduction by psychrotrophic enrichment cultures. FEMS Microbiology Ecology, 1999, 30, 367-371.	1.3	21
96	A comparative study of experimental maturation of peat, brown coal and subbituminous coal: Implications for coalification. International Journal of Coal Geology, 2006, 66, 108-118.	1.9	21
97	Ammonia-oxidizing Archaea in Kamchatka Hot Springs. Geomicrobiology Journal, 2011, 28, 149-159.	1.0	21
98	Spatial and temporal variations of bacterioplankton in the Chesapeake Bay: A reâ€examination with highâ€throughput sequencing analysis. Limnology and Oceanography, 2020, 65, 3032-3045.	1.6	21
99	Sea surface temperature variation during the last deglaciation in the southern Okinawa Trough: Modulation of high latitude teleconnections and the Kuroshio Current. Progress in Oceanography, 2015, 138, 238-248.	1.5	20
100	Bacillus urumqiensis sp. nov., a moderately haloalkaliphilic bacterium isolated from a salt lake. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2305-2312.	0.8	20
101	In situ identification of environmental microorganisms with Raman spectroscopy. Environmental Science and Ecotechnology, 2022, 11, 100187.	6.7	20
102	Phylogenetic Diversity of T4-Type Phages in Sediments from the Subtropical Pearl River Estuary. Frontiers in Microbiology, 2017, 8, 897.	1.5	19
103	Energy Gradients Structure Microbial Communities Across Sediment Horizons in Deep Marine Sediments of the South China Sea. Frontiers in Microbiology, 2018, 9, 729.	1.5	19
104	Hydroclimate Implications of Thermocline Variability in the Southern South China Sea Over the Past 180,000 yr. Quaternary Research, 2015, 83, 370-377.	1.0	18
105	Anomalous Phylogenetic Behavior of Ribosomal Proteins in Metagenome-Assembled Asgard Archaea. Genome Biology and Evolution, 2021, 13, .	1.1	18
106	Contrasting bacterial and archaeal distributions reflecting different geochemical processes in a sediment core from the Pearl River Estuary. AMB Express, 2020, 10, 16.	1.4	18
107	Estuarine gradients dictate spatiotemporal variations of microbiome networks in the Chesapeake Bay. Environmental Microbiomes, 2021, 16, 22.	2.2	18
108	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

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109	Effects of elevated CO2 and nitrogen supply on the growth and photosynthetic physiology of a marine cyanobacterium, Synechococcus sp. PCC7002. Journal of Applied Phycology, 2017, 29, 1755-1763.	1.5	17
110	Succession of bacterial community structure and potential significance along a sediment core from site U1433 of IODP expedition 349, South China Sea. Marine Geology, 2017, 394, 125-132.	0.9	17
111	Cross shelf transport of terrigenous organic matter in surface sediments from outer shelf to Okinawa Trough in East China Sea. Journal of Marine Systems, 2019, 199, 103224.	0.9	16
112	Impacts of Freshwater and Seawater Mixing on the Production and Decay of Virioplankton in a Subtropical Estuary. Microbial Ecology, 2019, 78, 843-854.	1.4	16
113	Distinct Distribution of Archaea From Soil to Freshwater to Estuary: Implications of Archaeal Composition and Function in Different Environments. Frontiers in Microbiology, 2020, 11, 576661.	1.5	16
114	Marine Group II Euryarchaeota Contribute to the Archaeal Lipid Pool in Northwestern Pacific Ocean Surface Waters. Frontiers in Microbiology, 2020, 11, 1034.	1.5	16
115	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
116	Novel Sulfolobus Virus with an Exceptional Capsid Architecture. Journal of Virology, 2018, 92, .	1.5	15
117	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
118	Branched tetraether lipids in Chinese soils: Evaluating the fidelity of MBT/CBT proxies as paleoenvironmental proxies. Science China Earth Sciences, 2016, 59, 1353-1367.	2.3	13
119	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
120	Evaluating Production of Cyclopentyl Tetraethers by Marine Group II Euryarchaeota in the Pearl River Estuary and Coastal South China Sea: Potential Impact on the TEX86 Paleothermometer. Frontiers in Microbiology, 2017, 8, 2077.	1.5	13
121	Thermalkalibacillus uzonensis gen. nov. sp. nov, a novel aerobic alkali-tolerant thermophilic bacterium isolated from a hot spring in Uzon Caldera, Kamchatka. Extremophiles, 2006, 10, 337-345.	0.9	12
122	Distribution and Diversity of Bacteria and Archaea in Marine Sediments Affected by Gas Hydrates at Mississippi Canyon in the Gulf of Mexico. Geomicrobiology Journal, 2009, 26, 370-381.	1.0	12
123	Impacts of temperature and pH on the distribution of archaeal lipids in Yunnan hot springs, China. Frontiers in Microbiology, 2013, 4, 312.	1.5	12
124	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
125	Vertical Stratification of Dissolved Organic Matter Linked to Distinct Microbial Communities in Subtropic Estuarine Sediments. Frontiers in Microbiology, 2021, 12, 697860.	1.5	12
126	A holistic genome dataset of bacteria, archaea and viruses of the Pearl River estuary. Scientific Data, 2022, 9, 49.	2.4	12

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127	Classification and Identification of Archaea Using Single-Cell Raman Ejection and Artificial Intelligence: Implications for Investigating Uncultivated Microorganisms. Analytical Chemistry, 2021, 93, 17012-17019.	3.2	12
128	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
129	Archaeal Diversity and Spatial Distribution in the Surface Sediment of the South China Sea. Geomicrobiology Journal, 2014, 31, 1-11.	1.0	11
130	Diverse biological sources of core and intact polar isoprenoid GDGTs in terrace soils from southwest of China: Implications for their use as environmental proxies. Chemical Geology, 2019, 522, 108-120.	1.4	11
131	Distributions and Sources of Glycerol Dialkyl Glycerol Tetraethers in Sediment Cores From the Mariana Subduction Zone. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 857-869.	1.3	11
132	Community Structure of Archaea in the Water Column above Gas Hydrates in the Gulf of Mexico. Geomicrobiology Journal, 2009, 26, 363-369.	1.0	10
133	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
134	Tracking the signals of living archaea: A multiple reaction monitoring (MRM) method for detection of trace amounts of intact polar lipids from the natural environment. Organic Geochemistry, 2016, 97, 1-4.	0.9	10
135	Distribution of branched glycerol dialkyl glycerol tetraethers in soils on the Northeastern Qinghai-Tibetan Plateau and possible production by nitrite-reducing bacteria. Science China Earth Sciences, 2016, 59, 1834-1846.	2.3	10
136	Niche specificity and potential terrestrial organic carbon utilization of benthic Bathyarchaeota in a eutrophic subtropic estuarine system. Chemical Geology, 2020, 556, 119839.	1.4	10
137	Active Anaerobic Archaeal Methanotrophs in Recently Emerged Cold Seeps of Northern South China Sea. Frontiers in Microbiology, 2020, 11, 612135.	1.5	10
138	Global scale production of brGDGTs by benthic marine bacteria: Implication for developing ocean bottom environmental proxies. Global and Planetary Change, 2022, 211, 103783.	1.6	9
139	The spatial distribution of archaeal lipids in a mesoscale subtropical watershed, Southeast China. Science China Earth Sciences, 2016, 59, 1317-1328.	2.3	8
140	Evolution of the East China Sea sedimentary environment in the past 14 kyr: Insights from tetraethers-based proxies. Science China Earth Sciences, 2016, 59, 927-938.	2.3	8
141	The distribution and abundance of archaeal tetraether lipids in U.S. Great Basin hot springs. Frontiers in Microbiology, 2013, 4, 247.	1.5	7
142	Advances in GDGT research in Chinese marginal seas: A review. Science China Earth Sciences, 2016, 59, 1173-1186.	2.3	7
143	Potential degradation effect on paleo-moisture proxies based onÂtheÂrelative abundance of archaeal vs. bacterial tetraethers inÂloess-paleosolÂsequences on the Chinese Loess Plateau. Quaternary International, 2017, 436, 173-180.	0.7	7
144	The response of archaeal species to seasonal variables in a subtropical aerated soil: insight into the low abundant methanogens. Applied Microbiology and Biotechnology, 2017, 101, 6505-6515.	1.7	7

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145	Environmental factors shaping the archaeal community structure and ether lipid distribution in a subtropic river and estuary, China. Applied Microbiology and Biotechnology, 2018, 102, 461-474.	1.7	7
146	Spatiotemporal distribution and source variations of hydrocarbons in surface sediments from the Pearl River Estuary, Southern China. Journal of Soils and Sediments, 2021, 21, 499-511.	1.5	7
147	Carbon isotopic composition of isoprenoid tetraether in surface sediments of Lake Qinghai and surrounding soils. Organic Geochemistry, 2013, 60, 54-61.	0.9	6
148	Untangling the role that microbes play in ocean carbon cycleâ"€A new paradigm in marine biogeochemistry. Science China Earth Sciences, 2017, 60, 409-412.	2.3	6
149	Interactions Between Marine Group II Archaea and Phytoplankton Revealed by Population Correlations in the Northern Coast of South China Sea. Frontiers in Microbiology, 2021, 12, 785532.	1.5	6
150	Archaea, the tree of life, and cellular evolution in eukaryotes. Science China Earth Sciences, 2019, 62, 489-506.	2.3	5
151	Lipidomics in archaeal membrane adaptation to environmental stresses and growth conditions: A review of culture-based physiological studies. Science China Earth Sciences, 2020, 63, 790-807.	2.3	5
152	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
153	Impact of Terrestrial Input on Deep-Sea Benthic Archaeal Community Structure in South China Sea Sediments. Frontiers in Microbiology, 2020, 11, 572017.	1.5	4
154	Spectral characteristics of dissolved organic matter in sediment pore water from Pearl River Estuary. Science China Earth Sciences, 2021, 64, 52-61.	2.3	4
155	Spatiotemporal variation of organic geochemical properties since the mid-Miocene in the deep South China Sea (IODP Expedition 349). Journal of Asian Earth Sciences, 2019, 183, 103961.	1.0	3
156	Origin and preservation of archaeal intact polar tetraether lipids in deeply buried sediments from the South China Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 152, 103107.	0.6	3
157	Editorial: Ecology, Metabolism and Evolution of Archaea-Perspectives From Proceedings of the International Workshop on Geo-Omics of Archaea. Frontiers in Microbiology, 2021, 12, 827229.	1.5	3
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