

# Shucheng Xie

## List of Publications by Year in descending order

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184  
papers

8,675  
citations

44069

48  
h-index

51608

86  
g-index

186  
all docs

186  
docs citations

186  
times ranked

5581  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of Holocene Asian monsoon rainfall from spatially separated cave records. <i>Earth and Planetary Science Letters</i> , 2008, 266, 221-232.	4.4	626
2	Two episodes of microbial change coupled with Permo/Triassic faunal mass extinction. <i>Nature</i> , 2005, 434, 494-497.	27.8	297
3	Rapid oxygenation of Earth's atmosphere 2.33 billion years ago. <i>Science Advances</i> , 2016, 2, e1600134.	10.3	264
4	n-Alkane distributions in ombrotrophic mires as indicators of vegetation change related to climatic variation. <i>Organic Geochemistry</i> , 2000, 31, 231-235.	1.8	250
5	Changes in the global carbon cycle occurred as two episodes during the Permian-Triassic crisis. <i>Geology</i> , 2007, 35, 1083.	4.4	246
6	A highly redox-heterogeneous ocean in South China during the early Cambrian (529-514 Ma): Implications for biota-environment co-evolution. <i>Earth and Planetary Science Letters</i> , 2016, 441, 38-51.	4.4	198
7	Molecular and isotopic stratigraphy in an ombrotrophic mire for paleoclimate reconstruction. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2849-2862.	3.9	190
8	East Asian hydroclimate modulated by the position of the westerlies during Termination I. <i>Science</i> , 2018, 362, 580-583.	12.6	190
9	Reconstruction of late glacial and Holocene climate evolution in southern China from geolipids and pollen in the Dingnan peat sequence. <i>Organic Geochemistry</i> , 2005, 36, 1272-1284.	1.8	189
10	Lipid biomarkers in the Zoigã-Hongyuan peat deposit: Indicators of Holocene climate changes in West China. <i>Organic Geochemistry</i> , 2007, 38, 1927-1940.	1.8	183
11	Concordant monsoon-driven postglacial hydrological changes in peat and stalagmite records and their impacts on prehistoric cultures in central China. <i>Geology</i> , 2013, 41, 827-830.	4.4	169
12	Correlations between microbial tetraether lipids and environmental variables in Chinese soils: Optimizing the paleo-reconstructions in semi-arid and arid regions. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 49-69.	3.9	160
13	Changes in marine productivity and redox conditions during the Late Ordovician Hirnantian glaciation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 420, 223-234.	2.3	157
14	Cyanobacterial blooms tied to volcanism during the 5 m.y. Permo-Triassic biotic crisis. <i>Geology</i> , 2010, 38, 447-450.	4.4	151
15	Holocene ENSO-related cyclic storms recorded by magnetic minerals in speleothems of central China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 852-857.	7.1	149
16	Links between the East Asian monsoon and North Atlantic climate during the 8,200 year event. <i>Nature Geoscience</i> , 2013, 6, 117-120.	12.9	147
17	Isotopic evidence for an anomalously low oceanic sulfate concentration following end-Permian mass extinction. <i>Earth and Planetary Science Letters</i> , 2010, 300, 101-111.	4.4	145
18	Postglacial climate-change record in biomarker lipid compositions of the Hani peat sequence, Northeastern China. <i>Earth and Planetary Science Letters</i> , 2010, 294, 37-46.	4.4	138

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19	The 6-methyl branched tetraethers significantly affect the performance of the methylation index (MBT $\delta^{13}C$ ) in soils from an altitudinal transect at Mount Shennongjia. <i>Organic Geochemistry</i> , 2015, 82, 42-53.	1.8	134
20	Evidence of moisture control on the methylation of branched glycerol dialkyl glycerol tetraethers in semi-arid and arid soils. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 24-36.	3.9	110
21	Microbial lipid records of highly alkaline deposits and enhanced aridity associated with significant uplift of the Tibetan Plateau in the Late Miocene. <i>Geology</i> , 2012, 40, 291-294.	4.4	106
22	Negative C-isotope excursions at the Permian-Triassic boundary linked to volcanism. <i>Geology</i> , 2012, 40, 963-966.	4.4	101
23	Reduction of structural Fe(III) in nontronite by methanogen <i>Methanosarcina barkeri</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1057-1071.	3.9	96
24	Uncovering the spatial heterogeneity of Ediacaran carbon cycling. <i>Geobiology</i> , 2017, 15, 211-224.	2.4	91
25	Comparative microbial diversity and redox environments of black shale and stromatolite facies in the Mesoproterozoic Xiamaling Formation. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 151, 150-167.	3.9	89
26	Mercury evidence of intense volcanic effects on land during the Permian-Triassic transition. <i>Geology</i> , 2019, 47, 1117-1121.	4.4	89
27	Enhanced nitrogen fixation in the immediate aftermath of the latest Permian marine mass extinction. <i>Geology</i> , 2011, 39, 647-650.	4.4	88
28	The potential of biomarker proxies to trace climate, vegetation, and biogeochemical processes in peat: A review. <i>Global and Planetary Change</i> , 2019, 179, 57-79.	3.5	82
29	Lipid distribution in a subtropical southern China stalagmite as a record of soil ecosystem response to paleoclimate change. <i>Quaternary Research</i> , 2003, 60, 340-347.	1.7	81
30	Different temperature dependence of the bacterial brGDGT isomers in 35 Chinese lake sediments compared to that in soils. <i>Organic Geochemistry</i> , 2018, 119, 72-79.	1.8	81
31	Two episodes of environmental change at the Permian-Triassic boundary of the GSSP section Meishan. <i>Earth-Science Reviews</i> , 2012, 115, 163-172.	9.1	79
32	Massive formation of early diagenetic dolomite in the Ediacaran ocean: Constraints on the "dolomite problem". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14005-14014.	7.1	78
33	An interlaboratory study of TEX <sub>86</sub> and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	2.5	76
34	U/Mo ratios and $\delta^{98}S$ as local and global redox proxies during mass extinction events. <i>Chemical Geology</i> , 2012, 324-325, 99-107.	3.3	68
35	A 13,000-year peatland palaeohydrological response to the ENSO-related Asian monsoon precipitation changes in the middle Yangtze Valley. <i>Quaternary Science Reviews</i> , 2019, 212, 80-91.	3.0	68
36	Shallow stratification prevailed for 1700 to 1300 Ma ocean: Evidence from organic carbon isotopes in the North China Craton. <i>Earth and Planetary Science Letters</i> , 2014, 400, 219-232.	4.4	66

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37	Lipid distributions in loess-paleosol sequences from northwest China. <i>Organic Geochemistry</i> , 2003, 34, 1071-1079.	1.8	65
38	Decline in oceanic sulfate levels during the early Mesoproterozoic. <i>Precambrian Research</i> , 2015, 258, 36-47.	2.7	65
39	Response of carbon cycle to drier conditions in the mid-Holocene in central China. <i>Nature Communications</i> , 2018, 9, 1369.	12.8	60
40	Ediacaran Marine Redox Heterogeneity and Early Animal Ecosystems. <i>Scientific Reports</i> , 2015, 5, 17097.	3.3	59
41	Stepwise and large-magnitude negative shift in $\delta^{13}\text{C}_{\text{carb}}$ preceded the main marine mass extinction of the Permian–Triassic crisis interval. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 299, 70-82.	2.3	58
42	Paleotemperature variability in central China during the last 13 ka recorded by a novel microbial lipid proxy in the Dajiuhu peat deposit. <i>Holocene</i> , 2013, 23, 1123-1129.	1.7	58
43	A theoretical prediction of chemical zonation in early oceans (>520 Ma). <i>Science China Earth Sciences</i> , 2015, 58, 1901-1909.	5.2	58
44	Paleo-seawater REE compositions and microbial signatures preserved in laminae of Lower Triassic ooids. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 486, 96-107.	2.3	58
45	Mercury fluxes record regional volcanism in the South China craton prior to the end-Permian mass extinction. <i>Geology</i> , 2021, 49, 452-456.	4.4	57
46	Vertical $\delta^{13}\text{C}_{\text{org}}$ gradients record changes in planktonic microbial community composition during the end-Permian mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 396, 119-131.	2.3	52
47	Occurrence of tetraether lipids in stalagmites: Implications for sources and GDGT-based proxies. <i>Organic Geochemistry</i> , 2011, 42, 108-115.	1.8	50
48	Nitrogen fixation sustained productivity in the wake of the Palaeoproterozoic Great Oxygenation Event. <i>Nature Communications</i> , 2018, 9, 978.	12.8	50
49	Size variation of conodont elements of the <i>Hindeodus</i> – <i>Isarcicella</i> clade during the Permian–Triassic transition in South China and its implication for mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 264, 176-187.	2.3	49
50	Microbial–algal community changes during the latest Permian ecological crisis: Evidence from lipid biomarkers at Cili, South China. <i>Global and Planetary Change</i> , 2013, 105, 36-51.	3.5	49
51	Intensified continental chemical weathering and carbon-cycle perturbations linked to volcanism during the Triassic–Jurassic transition. <i>Nature Communications</i> , 2022, 13, 299.	12.8	49
52	Hydroxylated isoprenoid GDGTs in Chinese coastal seas and their potential as a paleotemperature proxy for mid-to-low latitude marginal seas. <i>Organic Geochemistry</i> , 2015, 89-90, 31-43.	1.8	48
53	Contrasting microbial community changes during mass extinctions at the Middle/Late Permian and Permian/Triassic boundaries. <i>Earth and Planetary Science Letters</i> , 2017, 460, 180-191.	4.4	48
54	Comparison of free lipid compositions between roots and leaves of plants in the Dajiuhu Peatland, central China. <i>Geochemical Journal</i> , 2011, 45, 365-373.	1.0	47

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55	Soil pH impact on microbial tetraether lipids and terrestrial input index (BIT) in China. <i>Science China Earth Sciences</i> , 2012, 55, 236-245.	5.2	46
56	Paleoclimate influence on early diagenesis of plant triterpenes in the Dajiuhu peatland, central China. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 106-119.	3.9	46
57	The occurrence of a grassy vegetation over the Chinese Loess Plateau since the last interglacier: the molecular fossil record. <i>Science in China Series D: Earth Sciences</i> , 2002, 45, 53-62.	0.9	45
58	Distribution of glycerol dialkyl glycerol tetraether (GDGT) lipids in a hypersaline lake system. <i>Organic Geochemistry</i> , 2016, 99, 113-124.	1.8	45
59	Microbial glycerol dialkyl glycerol tetraethers from river water and soil near the Three Gorges Dam on the Yangtze River. <i>Organic Geochemistry</i> , 2013, 56, 40-50.	1.8	44
60	Perturbation of the marine nitrogen cycle during the Late Ordovician glaciation and mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 448, 339-348.	2.3	44
61	Environmental impacts on the distribution of microbial tetraether lipids in Chinese lakes with contrasting pH: Implications for lacustrine paleoenvironmental reconstructions. <i>Science China Earth Sciences</i> , 2016, 59, 939-950.	5.2	42
62	Distribution of aliphatic des-A-triterpenoids in the Dajiuhu peat deposit, southern China. <i>Organic Geochemistry</i> , 2008, 39, 1765-1771.	1.8	41
63	Molecular records of microbialites following the end-Permian mass extinction in Chongyang, Hubei Province, South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 308, 151-159.	2.3	41
64	Occurrence of diploptene in moss species from the Dajiuhu Peatland in southern China. <i>Organic Geochemistry</i> , 2010, 41, 321-324.	1.8	40
65	Sources and distribution of isoprenoid glycerol dialkyl glycerol tetraethers (GDGTs) in sediments from the east coastal sea of China: Application of GDGT-based paleothermometry to a shallow marginal sea. <i>Organic Geochemistry</i> , 2014, 75, 24-35.	1.8	40
66	Variations in dissolved O <sub>2</sub> in a Chinese lake drive changes in microbial communities and impact sedimentary GDGT distributions. <i>Chemical Geology</i> , 2021, 579, 120348.	3.3	40
67	Lipid biomarkers for the reconstruction of deep-time environmental conditions. <i>Earth-Science Reviews</i> , 2019, 189, 99-124.	9.1	39
68	Rapid response of fossil tetraether lipids in lake sediments to seasonal environmental variables in a shallow lake in central China: Implications for the use of tetraether-based proxies. <i>Organic Geochemistry</i> , 2019, 128, 108-121.	1.8	38
69	Absence of a significant bias towards summer temperature in branched tetraether-based paleothermometer at two soil sites with contrasting temperature seasonality. <i>Organic Geochemistry</i> , 2016, 94, 83-94.	1.8	37
70	Molecular fossils in a Pleistocene river terrace in southern China related to paleoclimate variation. <i>Organic Geochemistry</i> , 2003, 34, 789-797.	1.8	36
71	Antarctic link with East Asian summer monsoon variability during the Heinrich Stadial interstadial transition. <i>Earth and Planetary Science Letters</i> , 2016, 453, 243-251.	4.4	36
72	Restricted utility of $\delta^{13}C$ of bulk organic matter as a record of paleovegetation in some loess Paleosol sequences in the Chinese Loess Plateau. <i>Quaternary Research</i> , 2004, 62, 86-93.	1.7	35

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73	Leaf wax n-alkane chemotaxonomy of bamboo from a tropical rain forest in Southwest China. <i>Plant Systematics and Evolution</i> , 2012, 298, 731-738.	0.9	35
74	Spatiotemporal variability of ocean chemistry in the early Cambrian, South China. <i>Science China Earth Sciences</i> , 2014, 57, 579-591.	5.2	35
75	Geochemical analyses of a Himalayan snowpit profile: implications for atmospheric pollution and climate. <i>Organic Geochemistry</i> , 2000, 31, 15-23.	1.8	34
76	Significance of long chain iso and anteiso monomethyl alkanes in the Lamiaceae (mint family). <i>Organic Geochemistry</i> , 2011, 42, 156-165.	1.8	34
77	Distributions of isoprenoid and branched glycerol dialkanol diethers in Chinese surface soils and a loess "paleosol sequence: Implications for the degradation of tetraether lipids. <i>Organic Geochemistry</i> , 2014, 66, 70-79.	1.8	32
78	5-n-Alkylresorcinols as biomarkers of sedges in an ombrotrophic peat section. <i>Organic Geochemistry</i> , 2002, 33, 861-867.	1.8	31
79	Adsorbed silica in stalagmite carbonate and its relationship to past rainfall. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2285-2292.	3.9	31
80	Impacts of pH and temperature on soil bacterial 3-hydroxy fatty acids: Development of novel terrestrial proxies. <i>Organic Geochemistry</i> , 2016, 94, 21-31.	1.8	30
81	Diversity, distribution and biogeography of testate amoebae in China: Implications for ecological studies in Asia. <i>European Journal of Protistology</i> , 2011, 47, 1-9.	1.5	29
82	Environmental factors affecting the low temperature isomerization of homohopanes in acidic peat deposits, central China. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 154, 212-228.	3.9	29
83	Tropical and high latitude forcing of enhanced megadroughts in Northern China during the last four terminations. <i>Earth and Planetary Science Letters</i> , 2017, 479, 98-107.	4.4	29
84	Characteristics of seasonal variations of leaf n-alkanes and n-alkenes in modern higher plants in Qingjiang, Hubei Province, China. <i>Science Bulletin</i> , 2008, 53, 2659-2664.	9.0	28
85	A 9000-year carbon isotopic record of acid-soluble organic matter in a stalagmite from Heshang Cave, central China: Paleoclimate implications. <i>Chemical Geology</i> , 2014, 388, 71-77.	3.3	28
86	Holocene temperature and hydrological changes reconstructed by bacterial 3-hydroxy fatty acids in a stalagmite from central China. <i>Quaternary Science Reviews</i> , 2018, 192, 97-105.	3.0	28
87	Distribution of pyrolytic PAHs across the Triassic-Jurassic boundary in the Sichuan Basin, southwestern China: Evidence of wildfire outside the Central Atlantic Magmatic Province. <i>Earth-Science Reviews</i> , 2020, 201, 102970.	9.1	27
88	Phytoliths and microcharcoal at Jinluojia archeological site in middle reaches of Yangtze River indicative of paleoclimate and human activity during the last 3000 years. <i>Journal of Archaeological Science</i> , 2010, 37, 124-132.	2.4	26
89	Moisture conditions during the Younger Dryas and the early Holocene in the middle reaches of the Yangtze River, central China. <i>Holocene</i> , 2012, 22, 1473-1479.	1.7	26
90	The Pleistocene vermicular red earth in South China signaling the global climatic change: The molecular fossil record. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 1113-1120.	0.9	25

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91	Testate amoebae as indicators of 20th century environmental change in Lake Zhangdu, China. <i>Fundamental and Applied Limnology</i> , 2009, 175, 29-38.	0.7	25
92	Expansion of photic-zone euxinia during the Permian–Triassic biotic crisis and its causes: Microbial biomarker records. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 474, 140-151.	2.3	25
93	Multiple sulfur-isotopic evidence for a shallowly stratified ocean following the Triassic-Jurassic boundary mass extinction. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 231, 73-87.	3.9	25
94	Biomarker evidence of algal-microbial community changes linked to redox and salinity variation, Upper Devonian Chattanooga Shale (Tennessee, USA). <i>Bulletin of the Geological Society of America</i> , 2021, 133, 409-424.	3.3	25
95	The fluctuating environment associated with the episodic biotic crisis during the Permo/Triassic transition: Evidence from microbial biomarkers in Changxing, Zhejiang Province. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1052-1059.	0.9	22
96	The prelude of the end-Permian mass extinction predates a postulated bolide impact. <i>International Journal of Earth Sciences</i> , 2007, 96, 903-909.	1.8	20
97	A comparative study of n-alkane biomarker and pollen records: an example from southern China. <i>Science Bulletin</i> , 2009, 54, 1065-1072.	9.0	20
98	Optimization of acid digestion conditions on the extraction of fatty acids from stalagmites. <i>Frontiers of Earth Science</i> , 2012, 6, 109-114.	2.1	20
99	Variations in wetland hydrology drive rapid changes in the microbial community, carbon metabolic activity, and greenhouse gas fluxes. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 269-285.	3.9	20
100	Distributions of fatty acids in a stalagmite related to paleoclimate change at Qingjiang in Hubei, southern China. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 1463.	0.9	19
101	The Response of Archaeal Tetraether Membrane Lipids in Surface Soils to Temperature: A Potential Paleothermometer in Paleosols. <i>Geomicrobiology Journal</i> , 2016, 33, 98-109.	2.0	19
102	Assessing hydroxylated isoprenoid GDGTs as a paleothermometer for the tropical South China Sea. <i>Organic Geochemistry</i> , 2018, 115, 156-165.	1.8	19
103	Chemotaxonomic significance of n-alkane distributions from leaf wax in genus of <i>Sinojackia</i> species ( <i>Styracaceae</i> ). <i>Biochemical Systematics and Ecology</i> , 2013, 49, 30-36.	1.3	18
104	Spurious thermoluminescence characteristics of the Ediacaran Doushantuo Formation (ca. 635–551 Ma) in Wuhan, China), 2015, 26, 883-892.	3.2	18
105	Coupled oceanic oxygenation and metazoan diversification during the early–middle Cambrian?. <i>Geology</i> , 0, , G39208.1.	4.4	18
106	Asian monsoon evolution linked to Pacific temperature gradients since the Late Miocene. <i>Earth and Planetary Science Letters</i> , 2021, 563, 116882.	4.4	18
107	Reconstructing late Holocene palaeoenvironments in Bangladesh: phytolith analysis of archaeological soils from Somapura Mahavihara site in the Paharpur area, Badalgacchi Upazila, Naogaon District, Bangladesh. <i>Journal of Archaeological Science</i> , 2009, 36, 504-512.	2.4	17
108	Seasonal variation of fatty acids from drip water in Heshang Cave, central China. <i>Applied Geochemistry</i> , 2011, 26, 341-347.	3.0	17

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109	Distribution of branched tetraether lipids in ponds from Inner Mongolia, NE China: Insight into the source of brGDGTs. <i>Organic Geochemistry</i> , 2017, 112, 127-136.	1.8	17
110	The elemental enrichments at Dajiuhu Peatland in the Middle Yangtze Valley in response to changes in East Asian monsoon and human activity since 20,000 cal BP. <i>Science of the Total Environment</i> , 2021, 757, 143990.	8.0	17
111	Progress and perspective on frontiers of geobiology. <i>Science China Earth Sciences</i> , 2014, 57, 855-868.	5.2	16
112	Mo marine geochemistry and reconstruction of ancient ocean redox states. <i>Science China Earth Sciences</i> , 2015, 58, 2123-2133.	5.2	16
113	Paleoaltimetry proxies based on bacterial branched tetraether membrane lipids in soils. <i>Frontiers of Earth Science</i> , 2015, 9, 13-25.	2.1	16
114	Developing a continental-scale testate amoeba hydrological transfer function for Asian peatlands. <i>Quaternary Science Reviews</i> , 2021, 258, 106868.	3.0	16
115	Microbial and molecular fossils from the Permian Zoophycos in South China. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1121-1127.	0.9	15
116	Volcanism in Association with the Prelude to Mass Extinction and Environment Change Across the Permian-Triassic Boundary (PTB), Southern China. <i>Clays and Clay Minerals</i> , 2011, 59, 478-489.	1.3	15
117	Paleofire indicated by polycyclic aromatic hydrocarbons in soil of Jinluojia archaeological site, Hubei, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 247-256.	3.2	14
118	Glomalin-related soil protein distributions in the wetlands of the Liaohe Delta, Northeast China: Implications for carbon sequestration and mineral weathering of coastal wetlands. <i>Limnology and Oceanography</i> , 2020, 65, 979-991.	3.1	14
119	Variation of branched tetraethers with soil depth in relation to non-temperature factors: Implications for paleoclimate reconstruction. <i>Chemical Geology</i> , 2021, 572, 120211.	3.3	14
120	Clay mineralogy of archaeological soil: an approach to paleoclimatic and environmental reconstruction of the archaeological sites of the Paharpur area, Badalgacchi upazila, Naogaon district, Bangladesh. <i>Environmental Geology</i> , 2008, 53, 1639-1650.	1.2	13
121	Magnetic fabric of stalagmites and its formation mechanism. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	13
122	Distribution of microbial lipids at an acid mine drainage site in China: Insights into microbial adaptation to extremely low pH conditions. <i>Organic Geochemistry</i> , 2019, 134, 77-91.	1.8	13
123	A new sea surface temperature proxy based on bacterial 3-hydroxy fatty acids. <i>Organic Geochemistry</i> , 2020, 141, 103975.	1.8	13
124	On the geobiological evaluation of hydrocarbon source rocks. <i>Frontiers of Earth Science</i> , 2007, 1, 389-398.	0.5	12
125	Archaeal and bacterial tetraether membrane lipids in soils of varied altitudes in Mt. Jianfengling in South China. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 277-280.	3.2	12
126	Relationships between carbon isotope evolution and variation of microbes during the Permian-Triassic transition at Meishan Section, South China. <i>International Journal of Earth Sciences</i> , 2010, 99, 775-784.	1.8	12



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127	Distinct distribution revealing multiple bacterial sources for 1-O-monoalkyl glycerol ethers in terrestrial and lake environments. <i>Science China Earth Sciences</i> , 2015, 58, 1005-1017.	5.2	12
128	Testate amoebae as indicators of water quality and contamination in shallow lakes of the Middle and Lower Yangtze Plain. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	12
129	The Early Pliocene global expansion of C4 grasslands: A new organic carbon-isotopic dataset from the north China plain. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 538, 109454.	2.3	12
130	Holocene peatland water regulation response to ~1000-year solar cycle indicated by phytoliths in central China. <i>Journal of Hydrology</i> , 2020, 589, 125169.	5.4	12
131	Discussion on geobiology, biogeology and geobiofacies. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1516-1524.	0.9	11
132	n-alkanol ratios as proxies of paleovegetation and paleoclimate in a peat-lacustrine core in southern China since the last deglaciation. <i>Frontiers of Earth Science</i> , 2009, 3, 445-451.	0.5	11
133	Geomicrobial functional groups: A window on the interaction between life and environments. <i>Science Bulletin</i> , 2012, 57, 2-19.	1.7	11
134	Distribution of microbial fatty acids and fatty alcohols in soils from an altitude transect of Mt. Jianfengling in Hainan, China: Implication for paleoaltimetry and paleotemperature reconstruction. <i>Science China Earth Sciences</i> , 2014, 57, 999-1012.	5.2	11
135	Global calibration of novel 3-hydroxy fatty acid based temperature and pH proxies. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 302, 101-119.	3.9	11
136	Distribution and Geochemical Implication of Aromatic Hydrocarbons across the Meishan Permian-Triassic Boundary. <i>Journal of China University of Geosciences</i> , 2006, 17, 49-54.	0.5	10
137	Flooding impact on the distribution of microbial tetraether lipids in paddy rice soil in China. <i>Frontiers of Earth Science</i> , 2013, 7, 384-394.	2.1	10
138	Distribution of archaeal and bacterial tetraether membrane lipids in rhizosphere-root systems in soils and their implication for paleoclimate assessment. <i>Geochemical Journal</i> , 2013, 47, 337-347.	1.0	10
139	Changes in vegetation type on the Chinese Loess Plateau since 75 ka related to East Asian Summer Monsoon variation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 510, 124-139.	2.3	10
140	Land-use change effects on protozoic silicon pools in the Dajiu National Wetland Park, China. <i>Geoderma</i> , 2020, 368, 114305.	5.1	10
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