Roger Everett Summons

List of Publications by Year
in descending order

151 papers	16,809 citations	19657 61 h-index	15266 126 g-index
153 all docs	153 docs citations	153 times ranked	10388 citing authors

#	Article	IF	Citations
1	2-Methylhopanoids as biomarkers for cyanobacterial oxygenic photosynthesis. Nature, 1999, 400, 554-557.	27.8	881
2	Oxidation of the Ediacaran Ocean. Nature, 2006, 444, 744-747.	27.8	804
3	Photic Zone Euxinia During the Permian-Triassic Superanoxic Event. Science, 2005, 307, 706-709.	12.6	721
4	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777.	12.6	687
5	Fossil steroids record the appearance of Demospongiae during the Cryogenian period. Nature, 2009, 457, 718-721.	27.8	611
6	Biomarker evidence for green and purple sulphur bacteria in a stratified Palaeoproterozoic sea. Nature, 2005, 437, 866-870.	27.8	512
7	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	12.6	508
8	Marsâ€™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™s Curiosity Rover. Science, 2014, 343, 1244797.	12.6	475
9	Intact polar membrane lipids in prokaryotes and sediments deciphered by high-performance liquid chromatography/electrospray ionization multistage mass spectrometryâ€"new biomarkers for biogeochemistry and microbial ecology. Rapid Communications in Mass Spectrometry, 2004, 18, 617-628.	1.5	466
10	Organic molecules in the Sheepbed Mudstone, Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2015, 120, 495-514.	3.6	375
11	Organic matter preserved in 3-billion-year-old mudstones at Gale crater, Mars. Science, 2018, 360, 1096-1101.	12.6	369
12	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	12.6	367
13	Carbon isotopic fractionation in lipids from methanotrophic bacteria: Relevance for interpretation of the geochemical record of biomarkers. Geochimica Et Cosmochimica Acta, 1994, 58, 2853-2863.	3.9	329
14	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	12.6	326
15	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	12.6	323
16	Molecular and isotopic analysis of anaerobic methane-oxidizing communities in marine sediments. Organic Geochemistry, 2000, 31, 1685-1701.	1.8	321
17	Biogeochemical evidence for euxinic oceans and ecological disturbance presaging the end-Permian mass extinction event. Earth and Planetary Science Letters, 2009, 281, 188-201.	4.4	321
18	Evidence for perchlorates and the origin of chlorinated hydrocarbons detected by SAM at the Rocknest aeolian deposit in Gale Crater. Journal of Geophysical Research E: Planets, 2013, 118, 1955-1973.	3.6	306

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19	Chlorobiaceae in Palaeozoic seas revealed by biological markers, isotopes and geology. Nature, 1986, 319, 763-765.	27.8	275
20	Rapid oxygenation of Earthâ€™s atmosphere 2.33 billion years ago. Science Advances, 2016, 2, e1600134.	10.3	264
21	Preservation of Martian Organic and Environmental Records: Final Report of the Mars Biosignature Working Group. Astrobiology, 2011, 11, 157-181.	3.0	255
22	Biosynthesis of 2-methylbacteriohopanepolyols by an anoxygenic phototroph. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15099-15104.	7.1	251
23	Petroleum geology and geochemistry of the Middle Proterozoic McArthur Basin, Northern Australia: III. Composition of extractable hydrocarbons. Geochimica Et Cosmochimica Acta, 1988, 52, 1747-1763.	3.9	240
24	Reappraisal of hydrocarbon biomarkers in Archean rocks. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5915-5920.	7.1	230
25	Identification of a methylase required for 2-methylhopanoid production and implications for the interpretation of sedimentary hopanes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8537-8542.	7.1	191
26	Hopanoids Play a Role in Membrane Integrity and pH Homeostasis in <i>Rhodopseudomonas palustris</i> TIE-1. Journal of Bacteriology, 2009, 191, 6145-6156.	2.2	189
27	On impact and volcanism across the Cretaceous-Paleogene boundary. Science, 2020, 367, 266-272.	12.6	178
28	Signature Lipids and Stable Carbon Isotope Analyses of Octopus Spring Hyperthermophilic Communities Compared with Those of Aquificales Representatives. Applied and Environmental Microbiology, 2001, 67, 5179-5189.	3.1	175
29	An isotopic biogeochemical study of the Green River oil shale. Organic Geochemistry, 1992, 19, 265-276.	1.8	173
30	Evidence for indigenous nitrogen in sedimentary and aeolian deposits from the <i>Curiosity</i> rover investigations at Gale crater, Mars. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4245-4250.	7.1	172
31	Cyanobacterial bacteriohopanepolyol signatures from cultures and natural environmental settings. Organic Geochemistry, 2008, 39, 232-263.	1.8	167
32	Elevated rates of horizontal gene transfer in the industrialized human microbiome. Cell, 2021, 184, 2053-2067.e18.	28.9	167
33	Direct chemical evidence for eumelanin pigment from the Jurassic period. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10218-10223.	7.1	166
34	Ancient biomolecules: Their origins, fossilization, and role in revealing the history of life. BioEssays, 2014, 36, 482-490.	2.5	154
35	The Geological Succession of Primary Producers in the Oceans. , 2007, , 133-163.		150
36	Planktonic Euryarchaeota are a significant source of archaeal tetraether lipids in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9858-9863.	7.1	134

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37	Sulfur isotopes of organic matter preserved in 3.45-billion-year-old stromatolites reveal microbial metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15146-15151.	7.1	131
38	Hydrocarbon shows and petroleum source rocks in sediments as old as 1.7 Ã— 109 years. Nature, 1986, 322, 727-729.	27.8	126
39	Sterol and genomic analyses validate the sponge biomarker hypothesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2684-2689.	7.1	110
40	Targeted genomic detection of biosynthetic pathways: anaerobic production of hopanoid biomarkers by a common sedimentary microbe. Geobiology, 2005, 3, 33-40.	2.4	109
41	Paleoproterozoic sterol biosynthesis and the rise of oxygen. Nature, 2017, 543, 420-423.	27.8	105
42	Discovery, taxonomic distribution, and phenotypic characterization of a gene required for 3-methylhopanoid production. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12905-12910.	7.1	104
43	Significance of polycyclic aromatic hydrocarbons (PAHs) in Permian/Triassic boundary sections. Applied Geochemistry, 2010, 25, 1374-1382.	3.0	95
44	Demosponge steroid biomarker 26-methylstigmastane provides evidence for Neoproterozoic animals. Nature Ecology and Evolution, 2018, 2, 1709-1714.	7.8	92
45	Rapid Resurgence of Marine Productivity After the Cretaceous-Paleogene Mass Extinction. Science, 2009, 326, 129-132.	12.6	90
46	A Field Guide to Finding Fossils on Mars. Journal of Geophysical Research E: Planets, 2018, 123, 1012-1040.	3.6	86
47	Hydrothermal ecotones and streamer biofilm communities in the Lower Geyser Basin, Yellowstone National Park. Environmental Microbiology, 2011, 13, 2216-2231.	3.8	85
48	Diverse capacity for 2-methylhopanoid production correlates with a specific ecological niche. ISME Journal, 2014, 8, 675-684.	9.8	85
49	MOLECULAR PALAEOBIOLOGY. Palaeontology, 2007, 50, 775-809.	2.2	83
50	Identification and characterization of <i>Rhodopseudomonas palustris</i> TIEâ€1 hopanoid biosynthesis mutants. Geobiology, 2012, 10, 163-177.	2.4	83
51	Lipid biomarkers in ooids from different locations and ages: evidence for a common bacterial flora. Geobiology, 2013, 11, 420-436.	2.4	83
52	Characteristic fragmentation of bacteriohopanepolyols during atmospheric pressure chemical ionisation liquid chromatography/ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 2788-2796.	1.5	82
53	Molecular isotopic evidence of environmental and ecological changes across the Cenomanianâ€“Turonian boundary in the Levant Platform of central Jordan. Organic Geochemistry, 2009, 40, 553-568.	1.8	82
54	Hydrocarbon biomarkers of Neoproterozoic to Lower Cambrian oils from eastern Siberia. Organic Geochemistry, 2011, 42, 640-654.	1.8	82

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55	Episodic photic zone euxinia in the northeastern Panthalassic Ocean during the end-Triassic extinction. Geology, 2015, 43, 307-310.	4.4	82
56	An Exceptionally Preserved Three-Dimensional Armored Dinosaur Reveals Insights into Coloration and Cretaceous Predator-Prey Dynamics. Current Biology, 2017, 27, 2514-2521.e3.	3.9	81
57	2â€Methylhopanoids are maximally produced in akinetes of <i>Nostoc punctiforme</i>: geobiological implications. Geobiology, 2009, 7, 524-532.	2.4	75
58	Assessing the distribution of sedimentary <scp>C</scp>₄₀ carotenoids through time. Geobiology, 2015, 13, 139-151.	2.4	74
59	Biomarkers, chemistry and microbiology show chemoautotrophy in a multilayer chemocline in the Cariaco Basin. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 63, 133-156.	1.4	71
60	Spatial and temporal variability of biomarkers and microbial diversity reveal metabolic and community flexibility in Streamer Biofilm Communities in the <scp>L</scp>ower <scp>G</scp>eyser <scp>B</scp>asin, <scp>Y</scp>ellowstone <scp>N</scp>ational <scp>P</scp>ark. Geobiology, 2013, 11, 549-569.	2.4	71
61	Terminal Proterozoic mid-shelf benthic microbial mats in the Centralian Superbasin and their environmental significance. Geochimica Et Cosmochimica Acta, 1999, 63, 1345-1358.	3.9	70
62	GDGT cyclization proteins identify the dominant archaeal sources of tetraether lipids in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22505-22511.	7.1	66
63	Improved methods for isolating and validating indigenous biomarkers in Precambrian rocks. Organic Geochemistry, 2007, 38, 1987-2000.	1.8	63
64	Lipid biomarker and phylogenetic analyses to reveal archaeal biodiversity and distribution in hypersaline microbial mat and underlying sediment. Geobiology, 2008, 6, 394-410.	2.4	62
65	Canopy Flow Analysis Reveals the Advantage of Size in the Oldest Communities of Multicellular Eukaryotes. Current Biology, 2014, 24, 305-309.	3.9	62
66	Active eukaryotes in microbialites from Highborne Cay, Bahamas, and Hamelin Pool (Shark Bay), Australia. ISME Journal, 2014, 8, 418-429.	9.8	62
67	New constraints on the provenance of hopanoids in the marine geologic record: Bacteriohopanepolyols in marine suboxic and anoxic environments. Organic Geochemistry, 2011, 42, 1351-1362.	1.8	60
68	Molecular biosignatures reveal common benthic microbial sources of organic matter in ooids and grapestones from Pigeon Cay, The Bahamas. Geobiology, 2017, 15, 112-130.	2.4	58
69	Sterols in a unicellular relative of the metazoans. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9897-9902.	7.1	57
70	Lipid biomarkers in Hamelin Pool microbial mats and stromatolites. Organic Geochemistry, 2010, 41, 1207-1218.	1.8	57
71	Elucidation of the <scp><i>B</i></scp><i>urkholderia cenocepacia</i> hopanoid biosynthesis pathway uncovers functions for conserved proteins in hopanoidâ€producing bacteria. Environmental Microbiology, 2015, 17, 735-750.	3.8	56
72	Structural diversity of diether lipids in carbonate chimneys at the Lost City Hydrothermal Field. Organic Geochemistry, 2009, 40, 1169-1178.	1.8	54

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73	Large sulfur isotope fractionations in Martian sediments at Gale crater. Nature Geoscience, 2017, 10, 658-662.	12.9	53
74	Changes of palaeoenvironmental conditions recorded in Late Devonian reef systems from the Canning Basin, Western Australia: A biomarker and stable isotope approach. Gondwana Research, 2015, 28, 1500-1515.	6.0	52
75	Carbon and sulfur isotopic signatures of ancient life and environment at the microbial scale: Neoarchean shales and carbonates. Geobiology, 2016, 14, 105-128.	2.4	52
76	Nitrogen fixation sustained productivity in the wake of the Palaeoproterozoic Great Oxygenation Event. Nature Communications, 2018, 9, 978.	12.8	50
77	First Detections of Dichlorobenzene Isomers and Trichloromethylpropane from Organic Matter Indigenous to Mars Mudstone in Gale Crater, Mars: Results from the Sample Analysis at Mars Instrument Onboard the Curiosity Rover. Astrobiology, 2020, 20, 292-306.	3.0	50
78	Archaeal and bacterial glycerol dialkyl glycerol tetraether lipids in chimneys of the Lost City Hydrothermal Field. Organic Geochemistry, 2013, 60, 45-53.	1.8	49
79	Molecular proxies as indicators of freshwater incursion-driven salinity stratification. Chemical Geology, 2015, 409, 61-68.	3.3	48
80	Low fossilization potential of keratin protein revealed by experimental taphonomy. Palaeontology, 2017, 60, 547-556.	2.2	47
81	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. Organic Geochemistry, 2013, 64, 29-37.	1.8	45
82	Diagenetic and detrital origin of moretane anomalies through the Permianâ€“Triassic boundary. Geochimica Et Cosmochimica Acta, 2012, 84, 104-125.	3.9	43
83	Pattern of Î´¹³C_{carb} and implications for geological events during the Permianâ€Triassic transition in South China. Geological Journal, 2010, 45, 186-194.	1.3	41
84	Indigenous and exogenous organics and surfaceâ€“atmosphere cycling inferred from carbon and oxygen isotopes at Gale crater. Nature Astronomy, 2020, 4, 526-532.	10.1	41
85	Microbial life in the nascent Chicxulub crater. Geology, 2020, 48, 328-332.	4.4	40
86	Lipid biomarkers: molecular tools for illuminating the history of microbial life. Nature Reviews Microbiology, 2022, 20, 174-185.	28.6	38
87	Rapid incorporation of lipids into macromolecules during experimental decay of invertebrates: Initiation of geopolymer formation. Organic Geochemistry, 2009, 40, 589-594.	1.8	37
88	Niche expansion for phototrophic sulfur bacteria at the Proterozoicâ€“Phanerozoic transition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17599-17606.	7.1	36
89	Molecular and isotopic evidence reveals the end-Triassic carbon isotope excursion is not from massive exogenous light carbon. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30171-30178.	7.1	36
90	Calditol-linked membrane lipids are required for acid tolerance in<i>Sulfolobus acidocaldarius</i>. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12932-12937.	7.1	35

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91	Stable Isotope Constraints on Marine Productivity Across the Cretaceousâ€Paleogene Mass Extinction. Paleoceanography and Paleoclimatology, 2019, 34, 1195-1217.	2.9	34
92	Potential precursor compounds for chlorohydrocarbons detected in Gale Crater, Mars, by the SAM instrument suite on the Curiosity Rover. Journal of Geophysical Research E: Planets, 2016, 121, 296-308.	3.6	33
93	Recovery of Fatty Acids from Mineralogic Mars Analogs by TMAH Thermochemolysis for the Sample Analysis at Mars Wet Chemistry Experiment on the Curiosity Rover. Astrobiology, 2019, 19, 522-546.	3.0	33
94	Bacteriohopanepolyols along redox gradients in the Humboldt Current System off northern Chile. Geobiology, 2017, 15, 844-857.	2.4	32
95	Preservation of feather fibers from the Late Cretaceous dinosaur Shuvuuia deserti raises concern about immunohistochemical analyses on fossils. Organic Geochemistry, 2018, 125, 142-151.	1.8	30
96	A positive C-isotope excursion induced by sea-level fall in the middle Capitanian of South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 505, 305-316.	2.3	30
97	Organic geochemical approaches to understanding early life. Free Radical Biology and Medicine, 2019, 140, 103-112.	2.9	27
98	Spatially-resolved isotopic study of carbon trapped in â^¼3.43â€Ga Strelley Pool Formation stromatolites. Geochimica Et Cosmochimica Acta, 2018, 223, 21-35.	3.9	26
99	Hopanoids in marine cyanobacteria: probing their phylogenetic distribution and biological role. Geobiology, 2012, 10, 311-319.	2.4	24
100	A distinctive biomarker assemblage in an Infracambrian oil and source rock from western India: Molecular signatures of eukaryotic sterols and prokaryotic carotenoids. Precambrian Research, 2017, 290, 101-112.	2.7	24
101	Proterozoic Biogeochemistry. , 1992, , 81-134.		23
102	Evaluation of the Tenax trap in the Sample Analysis at Mars instrument suite on the Curiosity rover as a potential hydrocarbon source for chlorinated organics detected in Gale Crater. Journal of Geophysical Research E: Planets, 2015, 120, 1446-1459.	3.6	23
103	Lipid Biomarker Record of the Serpentinite-Hosted Ecosystem of the Samail Ophiolite, Oman and Implications for the Search for Biosignatures on Mars. Astrobiology, 2020, 20, 830-845.	3.0	23
104	An unexpected Î³-hydrogen rearrangement in the mass spectra of di-ortho -substituted alkylbenzenes. Organic Mass Spectrometry, 1988, 23, 42-47.	1.3	21
105	Identification of 24-n-propylidenecholesterol in a member of the Foraminifera. Organic Geochemistry, 2013, 63, 145-151.	1.8	21
106	The â€œDirty Iceâ€• of the McMurdo Ice Shelf: Analogues for biological oases during the Cryogenian. Geobiology, 2018, 16, 369-377.	2.4	21
107	Predominance of parallel glycerol arrangement in archaeal tetraethers from marine sediments: Structural features revealed from degradation products. Organic Geochemistry, 2018, 115, 12-23.	1.8	21
108	Reply to Schouten et al.: Marine Group II planktonic Euryarchaeota are significant contributors to tetraether lipids in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4286.	7.1	20

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109	Novel archaeal tetraether lipids with a cyclohexyl ring identified in Fayetteville Green Lake, NY, and other sulfidic lacustrine settings. Rapid Communications in Mass Spectrometry, 2016, 30, 1197-1205.	1.5	19
110	Mudstones and embedded concretions show differences in lithology-related, but not source-related biomarker distributions. Organic Geochemistry, 2017, 113, 67-74.	1.8	19
111	Contribution of Benthic Processes to the Growth of Ooids on a Low-Energy Shore in Cat Island, The Bahamas. Minerals (Basel, Switzerland), 2018, 8, 252.	2.0	19
112	Sources of C30 steroid biomarkers in Neoproterozoicâ€"Cambrian rocks and oils. Nature Ecology and Evolution, 2020, 4, 34-36.	7.8	18
113	Bulk and grain-scale minor sulfur isotope data reveal complexities in the dynamics of Earthâ€™s oxygenation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2025606119.	7.1	17
114	Carbon Oxidation State in Microbial Polar Lipids Suggests Adaptation to Hot Spring Temperature and Redox Gradients. Frontiers in Microbiology, 2020, 11, 229.	3.5	16
115	System-Wide Adaptations of Desulfovibrio alaskensis G20 to Phosphate-Limited Conditions. PLoS ONE, 2016, 11, e0168719.	2.5	15
116	Prospects for Sterane Preservation in Sponge Fossils from Museum Collections and the Utility of Sponge Biomarkers for Molecular Clocks. Bulletin of the Peabody Museum of Natural History, 2016, 57, 181-189.	1.1	15
117	Microbial communities and organic biomarkers in a Proterozoicâ€analog sinkhole. Geobiology, 2017, 15, 784-797.	2.4	14
118	Glycerol configurations of environmental GDGTs investigated using a selective sn2 ether cleavage protocol. Organic Geochemistry, 2019, 128, 57-62.	1.8	14
119	Lack of Methylated Hopanoids Renders the Cyanobacterium Nostoc punctiforme Sensitive to Osmotic and pH Stress. Applied and Environmental Microbiology, 2017, 83, .	3.1	13
120	Role of the TenaxÂ® Adsorbent in the Interpretation of the EGA and GCâ€MS Analyses Performed With the Sample Analysis at Mars in Gale Crater. Journal of Geophysical Research E: Planets, 2019, 124, 2819-2851.	3.6	13
121	Vitamin B ₁₂ -dependent biosynthesis ties amplified 2-methylhopanoid production during oceanic anoxic events to nitrification. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32996-33004.	7.1	13
122	Molecular Biosignatures. Space Sciences Series of ISSI, 2008, , 133-159.	0.0	13
123	Experimental formation of geomacromolecules from microbial lipids. Organic Geochemistry, 2014, 67, 35-40.	1.8	12
124	Lipidomics of the sea sponge Amphimedon queenslandica and implication for biomarker geochemistry. Geobiology, 2017, 15, 836-843.	2.4	12
125	Microbially influenced formation of Neoarchean ooids. Geobiology, 2019, 17, 151-160.	2.4	12
126	Microbial biomarkers reveal a hydrothermally active landscape at Olduvai Gorge at the dawn of the Acheulean, 1.7 Ma. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24720-24728.	7.1	12

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127	Preservation of uropygial gland lipids in a 48-million-year-old bird. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171050.	2.6	11
128	Influence of Calcium Perchlorate on Organics Under SAMâ€Like Pyrolysis Conditions: Constraints on the Nature of Martian Organics. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006359.	3.6	11
129	Time-Sensitive Aspects of Mars Sample Return (MSR) Science. Astrobiology, 2021, , .	3.0	10
130	Heterogeneity of free and occluded bitumen in a natural maturity sequence from Oligocene Lake Enspel. Geochimica Et Cosmochimica Acta, 2019, 245, 240-265.	3.9	9
131	Biomarker stratigraphy in the Athel Trough of the South Oman Salt Basin at the Ediacaranâ€Cambrian Boundary. Geobiology, 2020, 18, 663-681.	2.4	9
132	Carotenoid biomarkers in Namibian shelf sediments: Anoxygenic photosynthesis during sulfide eruptions in the Benguela Upwelling System. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
133	Modern Mat-Building Microbial Communities: a Key to the Interpretation of Proterozoic Stromatolitic Communities. , 1992, , 245-342.		8
134	Bacteriohopanepolyols across environmental gradients in Lake Vanda, Antarctica. Geobiology, 2019, 17, 308-319.	2.4	8
135	Marine and terrestrial nitrifying bacteria are sources of diverse bacteriohopanepolyols. Geobiology, 2022, 20, 399-420.	2.4	8
136	Procedures of Whole Rock and Kerogen Analysis. , 1992, , 699-708.		7
137	Environmental controls on bacteriohopanepolyol profiles of benthic microbial mats from Lake Fryxell, Antarctica. Geobiology, 2019, 17, 551-563.	2.4	7
138	Planning Implications Related to Sterilization-Sensitive Science Investigations Associated with Mars Sample Return (MSR). Astrobiology, 2022, 22, S-112-S-164.	3.0	7
139	Biomarkers reveal Eocene marine incursions into the Qaidam Basin, north Tibetan Plateau. Organic Geochemistry, 2022, 166, 104380.	1.8	6
140	A new and improved protocol for extraction of intact polar membrane lipids from archaea. Organic Geochemistry, 2022, 165, 104353.	1.8	5
141	The Scientific Importance of Returning Airfall Dust as a Part of Mars Sample Return (MSR). Astrobiology, 2022, 22, S-176-S-185.	3.0	5
142	Composition of Extractable Organic Matter. , 1992, , 811-820.		3
143	Comparative softâ€tissue preservation in Holoceneâ€age capelin concretions. Geobiology, 2022, 20, 377-398.	2.4	3
144	Non-detection of C60 fullerene at two mass extinction horizons. Geochimica Et Cosmochimica Acta, 2016, 176, 18-25.	3.9	2

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145	Lipid Biomarkers From Microbial Mats on the McMurdo Ice Shelf, Antarctica: Signatures for Life in the Cryosphere. Frontiers in Microbiology, 0, 13, .	3.5	2
146	Reply to Comment by F. Kenig, L. Chou, and D. J. Wardrop on â€œEvaluation of the Tenax Trap in the Sample Analysis at Mars Instrument Suite on the Curiosity Rover as a Potential Hydrocarbon Source for Chlorinated Organics Detected in Gale Craterâ€•by Miller et al., 2015. Journal of Geophysical Research E: Planets, 2019, 124, 648-650.	3.6	1
147	Biostratigraphy and Paleobiogeography of the Proterozoic. , 1992, , 487-520.		0
148	Procedures for Analysis of Extactable Organic Matter. , 1992, , 799-810.		0
149	Redox-Controlled Ammonium Storage and Overturn in Ediacaran Oceans. Frontiers in Earth Science, 2021, 9, .	1.8	0
150	Precambrian Organic Matter. Encyclopedia of Earth Sciences Series, 2018, , 1-8.	0.1	0
151	Precambrian Organic Matter. Encyclopedia of Earth Sciences Series, 2018, , 1266-1273.	0.1	0