Roger Everett Summons

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Lipid biomarkers: molecular tools for illuminating the history of microbial life. Nature Reviews Microbiology, 2022, 20, 174-185.	28.6	38
2	Comparative softâ€tissue preservation in Holoceneâ€age capelin concretions. Geobiology, 2022, 20, 377-398.	2.4	3
3	Marine and terrestrial nitrifying bacteria are sources of diverse bacteriohopanepolyols. Geobiology, 2022, 20, 399-420.	2.4	8
4	A new and improved protocol for extraction of intact polar membrane lipids from archaea. Organic Geochemistry, 2022, 165, 104353.	1.8	5
5	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
6	Biomarkers reveal Eocene marine incursions into the Qaidam Basin, north Tibetan Plateau. Organic Geochemistry, 2022, 166, 104380.	1.8	6
7	Planning Implications Related to Sterilization-Sensitive Science Investigations Associated with Mars Sample Return (MSR). Astrobiology, 2022, 22, S-112-S-164.	3.0	7
8	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
9	Elevated rates of horizontal gene transfer in the industrialized human microbiome. Cell, 2021, 184, 2053-2067.e18.	28.9	167
10	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
11	Redox-Controlled Ammonium Storage and Overturn in Ediacaran Oceans. Frontiers in Earth Science, 2021, 9, .	1.8	0
12	Time-Sensitive Aspects of Mars Sample Return (MSR) Science. Astrobiology, 2021, , .	3.0	10
13	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
14	Sources of C30 steroid biomarkers in Neoproterozoicâ€“Cambrian rocks and oils. Nature Ecology and Evolution, 2020, 4, 34-36.	7.8	18
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	On impact and volcanism across the Cretaceous-Paleogene boundary. Science, 2020, 367, 266-272.	12.6	178
23	Microbial life in the nascent Chicxulub crater. Geology, 2020, 48, 328-332.	4.4	40
24	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
25	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
26	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
27	Environmental controls on bacteriohopanepolyol profiles of benthic microbial mats from Lake Fryxell, Antarctica. Geobiology, 2019, 17, 551-563.	2.4	7
28	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
29	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
30	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
31	Bacteriohopanepolyols across environmental gradients in Lake Vanda, Antarctica. Geobiology, 2019, 17, 308-319.	2.4	8
32	Stable Isotope Constraints on Marine Productivity Across the Cretaceousâ€Paleogene Mass Extinction. Paleoceanography and Paleoclimatology, 2019, 34, 1195-1217.	2.9	34
33	Organic geochemical approaches to understanding early life. Free Radical Biology and Medicine, 2019, 140, 103-112.	2.9	27
34	Glycerol configurations of environmental GDGTs investigated using a selective sn2 ether cleavage protocol. Organic Geochemistry, 2019, 128, 57-62.	1.8	14
35	Microbially influenced formation of Neoarchean ooids. Geobiology, 2019, 17, 151-160.	2.4	12
36	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

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37	Nitrogen fixation sustained productivity in the wake of the Palaeoproterozoic Great Oxygenation Event. Nature Communications, 2018, 9, 978.	12.8	50
38	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
39	A Field Guide to Finding Fossils on Mars. Journal of Geophysical Research E: Planets, 2018, 123, 1012-1040.	3.6	86
40	The â€œDirty Iceâ€• of the McMurdo Ice Shelf: Analogues for biological oases during the Cryogenian. Geobiology, 2018, 16, 369-377.	2.4	21
41	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
42	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
43	Demosponge steroid biomarker 26-methylstigmastane provides evidence for Neoproterozoic animals. Nature Ecology and Evolution, 2018, 2, 1709-1714.	7.8	92
44	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
45	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
46	Organic matter preserved in 3-billion-year-old mudstones at Gale crater, Mars. Science, 2018, 360, 1096-1101.	12.6	369
47	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
48	Precambrian Organic Matter. Encyclopedia of Earth Sciences Series, 2018, , 1-8.	0.1	0
49	Precambrian Organic Matter. Encyclopedia of Earth Sciences Series, 2018, , 1266-1273.	0.1	0
50	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
51	Paleoproterozoic sterol biosynthesis and the rise of oxygen. Nature, 2017, 543, 420-423.	27.8	105
52	Low fossilization potential of keratin protein revealed by experimental taphonomy. Palaeontology, 2017, 60, 547-556.	2.2	47
53	Lack of Methylated Hopanoids Renders the Cyanobacterium Nostoc punctiforme Sensitive to Osmotic and pH Stress. Applied and Environmental Microbiology, 2017, 83, .	3.1	13
54	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

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55	Microbial communities and organic biomarkers in a Proterozoicâ€analog sinkhole. Geobiology, 2017, 15, 784-797.	2.4	14
56	Lipidomics of the sea sponge Amphimedon queenslandica and implication for biomarker geochemistry. Geobiology, 2017, 15, 836-843.	2.4	12
57	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
58	Mudstones and embedded concretions show differences in lithology-related, but not source-related biomarker distributions. Organic Geochemistry, 2017, 113, 67-74.	1.8	19
59	Bacteriohopanepolyols along redox gradients in the Humboldt Current System off northern Chile. Geobiology, 2017, 15, 844-857.	2.4	32
60	Large sulfur isotope fractionations in Martian sediments at Gale crater. Nature Geoscience, 2017, 10, 658-662.	12.9	53
61	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
62	System-Wide Adaptations of Desulfovibrio alaskensis G20 to Phosphate-Limited Conditions. PLoS ONE, 2016, 11, e0168719.	2.5	15
63	Non-detection of C60 fullerene at two mass extinction horizons. Geochimica Et Cosmochimica Acta, 2016, 176, 18-25.	3.9	2
64	Rapid oxygenation of Earthâ€™s atmosphere 2.33 billion years ago. Science Advances, 2016, 2, e1600134.	10.3	264
65	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
66	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
67	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
68	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
69	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
70	Organic molecules in the Sheepbed Mudstone, Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2015, 120, 495-514.	3.6	375
71	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
72	Molecular proxies as indicators of freshwater incursion-driven salinity stratification. Chemical Geology, 2015, 409, 61-68.	3.3	48

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73	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
74	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
75	Episodic photic zone euxinia in the northeastern Panthalassic Ocean during the end-Triassic extinction. Geology, 2015, 43, 307-310.	4.4	82
76	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
77	Assessing the distribution of sedimentary <scp>C</scp>₄₀ carotenoids through time. Geobiology, 2015, 13, 139-151.	2.4	74
78	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
79	Diverse capacity for 2-methylhopanoid production correlates with a specific ecological niche. ISME Journal, 2014, 8, 675-684.	9.8	85
80	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
81	Experimental formation of geomacromolecules from microbial lipids. Organic Geochemistry, 2014, 67, 35-40.	1.8	12
82	Ancient biomolecules: Their origins, fossilization, and role in revealing the history of life. BioEssays, 2014, 36, 482-490.	2.5	154
83	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	12.6	323
84	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777.	12.6	687
85	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	12.6	508
86	Marsâ€™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™s Curiosity Rover. Science, 2014, 343, 1244797.	12.6	475
87	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
88	Canopy Flow Analysis Reveals the Advantage of Size in the Oldest Communities of Multicellular Eukaryotes. Current Biology, 2014, 24, 305-309.	3.9	62
89	Active eukaryotes in microbialites from Highborne Cay, Bahamas, and Hamelin Pool (Shark Bay), Australia. ISME Journal, 2014, 8, 418-429.	9.8	62
90	Lipid biomarkers in ooids from different locations and ages: evidence for a common bacterial flora. Geobiology, 2013, 11, 420-436.	2.4	83

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91	Identification of 24-n-propylidenecholesterol in a member of the Foraminifera. Organic Geochemistry, 2013, 63, 145-151.	1.8	21
92	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	12.6	367
93	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. Organic Geochemistry, 2013, 64, 29-37.	1.8	45
94	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
95	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	12.6	326
96	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
97	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
98	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
99	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
100	Identification and characterization of <i>Rhodopseudomonas palustris</i> TIEâ€1 hopanoid biosynthesis mutants. Geobiology, 2012, 10, 163-177.	2.4	83
101	Hopanoids in marine cyanobacteria: probing their phylogenetic distribution and biological role. Geobiology, 2012, 10, 311-319.	2.4	24
102	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
103	Diagenetic and detrital origin of moretane anomalies through the Permianâ€"Triassic boundary. Geochimica Et Cosmochimica Acta, 2012, 84, 104-125.	3.9	43
104	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
105	Hydrocarbon biomarkers of Neoproterozoic to Lower Cambrian oils from eastern Siberia. Organic Geochemistry, 2011, 42, 640-654.	1.8	82
106	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
107	Hydrothermal ecotones and streamer biofilm communities in the Lower Geyser Basin, Yellowstone National Park. Environmental Microbiology, 2011, 13, 2216-2231.	3.8	85
108	Preservation of Martian Organic and Environmental Records: Final Report of the Mars Biosignature Working Group. Astrobiology, 2011, 11, 157-181.	3.0	255

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109	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
110	Lipid biomarkers in Hamelin Pool microbial mats and stromatolites. Organic Geochemistry, 2010, 41, 1207-1218.	1.8	57
111	Significance of polycyclic aromatic hydrocarbons (PAHs) in Permian/Triassic boundary sections. Applied Geochemistry, 2010, 25, 1374-1382.	3.0	95
112	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
113	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
114	Fossil steroids record the appearance of Demospongiae during the Cryogenian period. Nature, 2009, 457, 718-721.	27.8	611
115	2â€Methylhopanoids are maximally produced in akinetes of <i>Nostoc punctiforme</i>: geobiological implications. Geobiology, 2009, 7, 524-532.	2.4	75
116	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
117	Rapid incorporation of lipids into macromolecules during experimental decay of invertebrates: Initiation of geopolymer formation. Organic Geochemistry, 2009, 40, 589-594.	1.8	37
118	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
119	Structural diversity of diether lipids in carbonate chimneys at the Lost City Hydrothermal Field. Organic Geochemistry, 2009, 40, 1169-1178.	1.8	54
120	Rapid Resurgence of Marine Productivity After the Cretaceous-Paleogene Mass Extinction. Science, 2009, 326, 129-132.	12.6	90
121	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
122	Cyanobacterial bacteriohopanepolyol signatures from cultures and natural environmental settings. Organic Geochemistry, 2008, 39, 232-263.	1.8	167
123	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
124	Molecular Biosignatures. Space Sciences Series of ISSI, 2008, , 133-159.	0.0	13
125	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
126	Improved methods for isolating and validating indigenous biomarkers in Precambrian rocks. Organic Geochemistry, 2007, 38, 1987-2000.	1.8	63

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127	The Geological Succession of Primary Producers in the Oceans. , 2007, , 133-163.		150
128	MOLECULAR PALAEOBIOLOGY. Palaeontology, 2007, 50, 775-809.	2.2	83
129	Oxidation of the Ediacaran Ocean. Nature, 2006, 444, 744-747.	27.8	804
130	Targeted genomic detection of biosynthetic pathways: anaerobic production of hopanoid biomarkers by a common sedimentary microbe. Geobiology, 2005, 3, 33-40.	2.4	109
131	Biomarker evidence for green and purple sulphur bacteria in a stratified Palaeoproterozoic sea. Nature, 2005, 437, 866-870.	27.8	512
132	Photic Zone Euxinia During the Permian-Triassic Superanoxic Event. Science, 2005, 307, 706-709.	12.6	721
133	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
134	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
135	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
136	Molecular and isotopic analysis of anaerobic methane-oxidizing communities in marine sediments. Organic Geochemistry, 2000, 31, 1685-1701.	1.8	321
137	2-Methylhopanoids as biomarkers for cyanobacterial oxygenic photosynthesis. Nature, 1999, 400, 554-557.	27.8	881
138	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
139	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
140	Modern Mat-Building Microbial Communities: a Key to the Interpretation of Proterozoic Stromatolitic Communities. , 1992, , 245-342.		8
141	An isotopic biogeochemical study of the Green River oil shale. Organic Geochemistry, 1992, 19, 265-276.	1.8	173
142	Proterozoic Biogeochemistry. , 1992, , 81-134.		23
143	Biostratigraphy and Paleobiogeography of the Proterozoic. , 1992, , 487-520.		0
144	Procedures of Whole Rock and Kerogen Analysis. , 1992, , 699-708.		7

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145	Procedures for Analysis of Extactable Organic Matter. , 1992, , 799-810.		0
146	Composition of Extractable Organic Matter. , 1992, , 811-820.		3
147	An unexpected Î³-hydrogen rearrangement in the mass spectra of di-ortho -substituted alkylbenzenes. Organic Mass Spectrometry, 1988, 23, 42-47.	1.3	21
148	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
149	Chlorobiaceae in Palaeozoic seas revealed by biological markers, isotopes and geology. Nature, 1986, 319, 763-765.	27.8	275
150	Hydrocarbon shows and petroleum source rocks in sediments as old as 1.7 Ã— 109 years. Nature, 1986, 322, 727-729.	27.8	126
151	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