Jaap Sinninghe DamstÃ©

List of Publications by Year
in descending order

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864	76,411	315 138	1489 219
papers	citations	h-index	g-index

955	955	955	25920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A microbial consortium couples anaerobic methane oxidation to denitrification. Nature, 2006, 440, 918-921.	13.7	1,115
2	Anaerobic ammonium oxidation by anammox bacteria in the Black Sea. Nature, 2003, 422, 608-611.	13.7	1,081
3	Archaeal nitrification in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12317-12322.	3.3	999
4	Distributional variations in marine crenarchaeotal membrane lipids: a new tool for reconstructing ancient sea water temperatures?. Earth and Planetary Science Letters, 2002, 204, 265-274.	1.8	963
5	A novel proxy for terrestrial organic matter in sediments based on branched and isoprenoid tetraether lipids. Earth and Planetary Science Letters, 2004, 224, 107-116.	1.8	939
6	Evidence for gammacerane as an indicator of water column stratification. Geochimica Et Cosmochimica Acta, 1995, 59, 1895-1900.	1.6	868
7	The organic geochemistry of glycerol dialkyl glycerol tetraether lipids: A review. Organic Geochemistry, 2013, 54, 19-61.	0.9	807
8	A Nitrospira metagenome illuminates the physiology and evolution of globally important nitrite-oxidizing bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13479-13484.	3.3	732
9	Environmental controls on bacterial tetraether membrane lipid distribution in soils. Geochimica Et Cosmochimica Acta, 2007, 71, 703-713.	1.6	703
10	Restricted utility of the pristane/phytane ratio as a palaeoenvironmental indicator. Nature, 1987, 330, 641-643.	13.7	654
11	Subtropical Arctic Ocean temperatures during the Palaeocene/Eocene thermal maximum. Nature, 2006, 441, 610-613.	13.7	578
12	Occurrence and distribution of tetraether membrane lipids in soils: Implications for the use of the TEX86 proxy and the BIT index. Organic Geochemistry, 2006, 37, 1680-1693.	0.9	576
13	New indices and calibrations derived from the distribution of crenarchaeal isoprenoid tetraether lipids: Implications for past sea surface temperature reconstructions. Geochimica Et Cosmochimica Acta, 2010, 74, 4639-4654.	1.6	575
14	Crenarchaeol. Journal of Lipid Research, 2002, 43, 1641-1651.	2.0	560
15	Candidatus â€œScalindua brodaeâ€ sp. nov., Candidatus â€œScalindua wagneriâ€ sp. nov., Two New Species of Anaerobic Ammonium Oxidizing Bacteria. Systematic and Applied Microbiology, 2003, 26, 529-538.	1.2	535
16	Candidatus â€œAnammoxoglobus propionicusâ€•a new propionate oxidizing species of anaerobic ammonium oxidizing bacteria. Systematic and Applied Microbiology, 2007, 30, 39-49.	1.2	511
17	Northern Hemisphere Controls on Tropical Southeast African Climate During the Past 60,000 Years. Science, 2008, 322, 252-255.	6.0	497
18	An improved method to determine the absolute abundance of glycerol dibiphytanyl glycerol tetraether lipids. Organic Geochemistry, 2006, 37, 1036-1041.	0.9	469

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19	Analytical Methodology for TEX86Paleothermometry by High-Performance Liquid Chromatography/Atmospheric Pressure Chemical Ionization-Mass Spectrometry. Analytical Chemistry, 2007, 79, 2940-2944.	3.2	459
20	Analysis of intact tetraether lipids in archaeal cell material and sediments by high performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. , 2000, 14, 585-589.		435
21	Membrane lipids of mesophilic anaerobic bacteria thriving in peats have typical archaeal traits. Environmental Microbiology, 2006, 8, 648-657.	1.8	427
22	Linearly concatenated cyclobutane lipids form a dense bacterial membrane. Nature, 2002, 419, 708-712.	13.7	426
23	Analysis, structure and geochemical significance of organically-bound sulphur in the geosphere: State of the art and future research. Organic Geochemistry, 1990, 16, 1077-1101.	0.9	424
24	Arctic hydrology during global warming at the Palaeocene/Eocene thermal maximum. Nature, 2006, 442, 671-675.	13.7	410
25	Carbon-isotope stratigraphy recorded by the Cenomanianâ€“Turonian Oceanic Anoxic Event: correlation and implications based on three key localities. Journal of the Geological Society, 2004, 161, 711-719.	0.9	404
26	Candidatus Ã¢Â€Â˜Brocadia fulgidaÃ¢Â€Â™: an autofluorescent anaerobic ammonium oxidizing bacterium. FEMS Microbiology Ecology, 2008, 63, 46-55.	1.3	388
27	Methanotrophic symbionts provide carbon for photosynthesis in peat bogs. Nature, 2005, 436, 1153-1156.	13.7	379
28	Occurrence and abundance of 6-methyl branched glycerol dialkyl glycerol tetraethers in soils: Implications for palaeoclimate reconstruction. Geochimica Et Cosmochimica Acta, 2014, 141, 97-112.	1.6	370
29	Revised calibration of the MBTâ€“CBT paleotemperature proxy based on branched tetraether membrane lipids in surface soils. Geochimica Et Cosmochimica Acta, 2012, 96, 215-229.	1.6	369
30	Biomarker Evidence for Widespread Anaerobic Methane Oxidation in Mediterranean Sediments by a Consortium of Methanogenic Archaea and Bacteria. Applied and Environmental Microbiology, 2000, 66, 1126-1132.	1.4	360
31	13,16-Dimethyl Octacosanedioic Acid (iso -Diabolic Acid), a Common Membrane-Spanning Lipid of Acidobacteria Subdivisions 1 and 3. Applied and Environmental Microbiology, 2011, 77, 4147-4154.	1.4	359
32	Cretaceous sea-surface temperature evolution: Constraints from TEX86 and planktonic foraminiferal oxygen isotopes. Earth-Science Reviews, 2017, 172, 224-247.	4.0	358
33	Widespread occurrence of structurally diverse tetraether membrane lipids: Evidence for the ubiquitous presence of low-temperature relatives of hyperthermophiles. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 14421-14426.	3.3	354
34	Diagenetic and catagenetic products of isorenieratene: Molecular indicators for photic zone anoxia. Geochimica Et Cosmochimica Acta, 1996, 60, 4467-4496.	1.6	348
35	Global sediment core-top calibration of the TEX86 paleothermometer in the ocean. Geochimica Et Cosmochimica Acta, 2008, 72, 1154-1173.	1.6	345
36	Nitrification expanded: discovery, physiology and genomics of a nitrite-oxidizing bacterium from the phylum Chloroflexi. ISME Journal, 2012, 6, 2245-2256.	4.4	345

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37	The effect of improved chromatography on GDGT-based palaeoproxies. Organic Geochemistry, 2016, 93, 1-6.	0.9	336
38	Biomarkers for In Situ Detection of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria. Applied and Environmental Microbiology, 2005, 71, 1677-1684.	1.4	325
39	Tetraether membrane lipid distributions in water-column particulate matter and sediments: a study of 47 European lakes along a northâ€“south transect. Journal of Paleolimnology, 2009, 41, 523-540.	0.8	324
40	Anaerobic ammonium oxidation in the Peruvian oxygen minimum zone. Limnology and Oceanography, 2007, 52, 923-933.	1.6	315
41	Environmental precursors to rapid light carbon injection at the Palaeocene/Eocene boundary. Nature, 2007, 450, 1218-1221.	13.7	296
42	CH 4 -consuming microorganisms and the formation of carbonate crusts at cold seeps. Earth and Planetary Science Letters, 2002, 203, 195-203.	1.8	290
43	Episodic fresh surface waters in the Eocene Arctic Ocean. Nature, 2006, 441, 606-609.	13.7	284
44	Half-precessional dynamics of monsoon rainfall near the East African Equator. Nature, 2009, 462, 637-641.	13.7	280
45	High temperatures in the Late Cretaceous Arctic Ocean. Nature, 2004, 432, 888-892.	13.7	277
46	Thaumarchaeotes abundant in refinery nitrifying sludges express amoA but are not obligate autotrophic ammonia oxidizers. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16771-16776.	3.3	272
47	Coupled Thermal and Hydrological Evolution of Tropical Africa over the Last Deglaciation. Science, 2007, 315, 1701-1704.	6.0	270
48	Environmental controls on branched tetraether lipid distributions in tropical East African lake sediments. Geochimica Et Cosmochimica Acta, 2010, 74, 4902-4918.	1.6	269
49	Enhanced productivity led to increased organic carbon burial in the euxinic North Atlantic basin during the late Cenomanian oceanic anoxic event. Paleoceanography, 2002, 17, 3-1-3-13.	3.0	266
50	Biosynthetic effects on the stable carbon isotopic compositions of algal lipids: implications for deciphering the carbon isotopic biomarker record. Geochimica Et Cosmochimica Acta, 1998, 62, 1397-1406.	1.6	261
51	Biomarkers as proxies for plant inputs to peats: an example from a sub-boreal ombrotrophic bog. Organic Geochemistry, 2002, 33, 675-690.	0.9	259
52	A 6,000â€“year sedimentary molecular record of chemocline excursions in the Black Sea. Nature, 1993, 362, 827-829.	13.7	256
53	Carbon isotope analyses of n-alkanes in dust from the lower atmosphere over the central eastern Atlantic. Geochimica Et Cosmochimica Acta, 2003, 67, 1757-1767.	1.6	254
54	Wet phases in the Sahara/Sahel region and human migration patterns in North Africa. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20159-20163.	3.3	254

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55	Fluxes and distribution of tetraether lipids in an equatorial African lake: Constraints on the application of the TEX86 palaeothermometer and BIT index in lacustrine settings. Geochimica Et Cosmochimica Acta, 2009, 73, 4232-4249.	1.6	252
56	The Rise of the Rhizosolenid Diatoms. Science, 2004, 304, 584-587.	6.0	251
57	Newly discovered non-isoprenoid glycerol dialkyl glycerol tetraether lipids in sediments. Chemical Communications, 2000, , 1683-1684.	2.2	248
58	Archaeal lipids in Mediterranean cold seeps: molecular proxies for anaerobic methane oxidation. Geochimica Et Cosmochimica Acta, 2001, 65, 1611-1627.	1.6	248
59	N2-fixing cyanobacteria supplied nutrient N for Cretaceous oceanic anoxic events. Geology, 2004, 32, 853.	2.0	243
60	The anammoxosome: an intracytoplasmic compartment in anammox bacteria. FEMS Microbiology Letters, 2004, 233, 7-13.	0.7	243
61	Tropical warming and intermittent cooling during the Cenomanian/Turonian oceanic anoxic event 2: Sea surface temperature records from the equatorial Atlantic. Paleoceanography, 2007, 22, n/a-n/a.	3.0	241
62	Massive Expansion of Marine Archaea During a Mid-Cretaceous Oceanic Anoxic Event. Science, 2001, 293, 92-95.	6.0	240
63	Enrichment and Characterization of an Autotrophic Ammonia-Oxidizing Archaeon of Mesophilic Crenarchaeal Group I.1a from an Agricultural Soil. Applied and Environmental Microbiology, 2011, 77, 8635-8647.	1.4	239
64	Isotopic Evidence for Glaciation During the Cretaceous Supergreenhouse. Science, 2008, 319, 189-192.	6.0	238
65	Extremely high sea-surface temperatures at low latitudes during the middle Cretaceous as revealed by archaeal membrane lipids. Geology, 2003, 31, 1069.	2.0	237
66	Organic sulphur in macromolecular sedimentary organic matter: I. Structure and origin of sulphur-containing moieties in kerogen, asphaltenes and coal as revealed by flash pyrolysis. Geochimica Et Cosmochimica Acta, 1989, 53, 873-889.	1.6	235
67	Constraints on the application of the MBT/CBT palaeothermometer at high latitude environments (Svalbard, Norway). Organic Geochemistry, 2009, 40, 692-699.	0.9	232
68	Temperature-dependent variation in the distribution of tetraether membrane lipids of marine Crenarchaeota: Implications for TEX86paleothermometry. Paleoceanography, 2004, 19, n/a-n/a.	3.0	231
69	Enrichment and characterization of marine anammox bacteria associated with global nitrogen gas production. Environmental Microbiology, 2008, 10, 3120-3129.	1.8	231
70	A comparative study of lipids in Sphagnum species. Organic Geochemistry, 2000, 31, 535-541.	0.9	227
71	Global prevalence of methane oxidation by symbiotic bacteria in peat-moss ecosystems. Nature Geoscience, 2010, 3, 617-621.	5.4	227
72	A large and abrupt fall in atmospheric CO2 concentration during Cretaceous times. Nature, 1999, 399, 342-345.	13.7	216

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73	Niche segregation of ammonia-oxidizing archaea and anammox bacteria in the Arabian Sea oxygen minimum zone. ISME Journal, 2011, 5, 1896-1904.	4.4	214
74	A euxinic southern North Atlantic Ocean during the Cenomanian/Turonian oceanic anoxic event. Earth and Planetary Science Letters, 1998, 158, 165-173.	1.8	212
75	Bicarbonate uptake by marine Crenarchaeota. FEMS Microbiology Letters, 2003, 219, 203-207.	0.7	205
76	Carbon isotopic compositions of prokaryotic lipids as tracers of carbon cycling in diverse settings. Chemical Geology, 2003, 195, 29-58.	1.4	205
77	Decoupled warming and monsoon precipitation in East Asia over the last deglaciation. Earth and Planetary Science Letters, 2011, 301, 256-264.	1.8	204
78	African vegetation controlled by tropical sea surface temperatures in the mid-Pleistocene period. Nature, 2003, 422, 418-421.	13.7	202
79	Putative ammonia-oxidizing Crenarchaeota in suboxic waters of the Black Sea: a basin-wide ecological study using 16S ribosomal and functional genes and membrane lipids. Environmental Microbiology, 2007, 9, 1001-1016.	1.8	202
80	Cultivation of Autotrophic Ammonia-Oxidizing Archaea from Marine Sediments in Coculture with Sulfur-Oxidizing Bacteria. Applied and Environmental Microbiology, 2010, 76, 7575-7587.	1.4	202
81	Archaea mediate anaerobic oxidation of methane in deep euxinic waters of the Black Sea. Geochimica Et Cosmochimica Acta, 2003, 67, 1359-1374.	1.6	201
82	Distribution of aliphatic, nonhydrolyzable biopolymers in marine microalgae. Organic Geochemistry, 1999, 30, 147-159.	0.9	200
83	Constraints on the Biological Source(s) of the Orphan Branched Tetraether Membrane Lipids. Geomicrobiology Journal, 2009, 26, 402-414.	1.0	199
84	Water column anoxia, enhanced productivity and concomitant changes in Î´13C and Î´34S across the Frasnianâ€“Famennian boundary (Kowala â€" Holy Cross Mountains/Poland). Chemical Geology, 2001, 175, 109-131.	1.4	195
85	Crenarchaeotal membrane lipids in lake sediments: A new paleotemperature proxy for continental paleoclimate reconstruction?. Geology, 2004, 32, 613.	2.0	194
86	Late Quaternary behavior of the East African monsoon and the importance of the Congo Air Boundary. Quaternary Science Reviews, 2011, 30, 798-807.	1.4	194
87	In situ produced branched glycerol dialkyl glycerol tetraethers in suspended particulate matter from the Yenisei River, Eastern Siberia. Geochimica Et Cosmochimica Acta, 2014, 125, 476-491.	1.6	193
88	Mid-Cretaceous (Albianâ€“Santonian) sea surface temperature record of the tropical Atlantic Ocean. Geology, 2007, 35, 919.	2.0	185
89	Isoprenoid thiophenes: novel products of sediment diagenesis?. Nature, 1986, 320, 160-162.	13.7	184
90	Microbial ecology of the stratified water column of the Black Sea as revealed by a comprehensive biomarker study. Organic Geochemistry, 2007, 38, 2070-2097.	0.9	184

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91	Hydrogen peroxide detoxification is a key mechanism for growth of ammonia-oxidizing archaea. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7888-7893.	3.3	181
92	Intact Membrane Lipids of â€œ Candidatus Nitrosopumilus maritimus,â€•a Cultivated Representative of the Cosmopolitan Mesophilic Group I Crenarchaeota. Applied and Environmental Microbiology, 2008, 74, 2433-2440.	1.4	180
93	The occurrence of hopanoids in planctomycetes: implications for the sedimentary biomarker record. Organic Geochemistry, 2004, 35, 561-566.	0.9	179
94	Transient Middle Eocene Atmospheric CO ₂ and Temperature Variations. Science, 2010, 330, 819-821.	6.0	179
95	Di- or polysulphide-bound biomarkers in sulphur-rich geomacromolecules as revealed by selective chemolysis. Geochimica Et Cosmochimica Acta, 1991, 55, 1375-1394.	1.6	178
96	Distribution of Membrane Lipids of Planktonic Crenarchaeota in the Arabian Sea. Applied and Environmental Microbiology, 2002, 68, 2997-3002.	1.4	178
97	Applicability and calibration of the TEX86 paleothermometer in lakes. Organic Geochemistry, 2010, 41, 404-413.	0.9	176
98	Combined DNA and lipid analyses of sediments reveal changes in Holocene haptophyte and diatom populations in an Antarctic lake. Earth and Planetary Science Letters, 2004, 223, 225-239.	1.8	175
99	Identification of novel penta- and hexamethylated branched glycerol dialkyl glycerol tetraethers in peat using HPLCâ€“MS2, GCâ€“MS and GCâ€“SMB-MS. Organic Geochemistry, 2013, 54, 78-82.	0.9	175
100	Warm arctic continents during the Palaeoceneâ€“Eocene thermal maximum. Earth and Planetary Science Letters, 2007, 261, 230-238.	1.8	174
101	A comprehensive study of sterols in marine diatoms (Bacillariophyta): Implications for their use as tracers for diatom productivity. Limnology and Oceanography, 2010, 55, 91-105.	1.6	174
102	Atmospheric Carbon Injection Linked to End-Triassic Mass Extinction. Science, 2011, 333, 430-434.	6.0	174
103	The occurrence and identification of series of organic sulphur compounds in oils and sediment extracts. I. A study of Rozel Point Oil (U.S.A.). Geochimica Et Cosmochimica Acta, 1987, 51, 2369-2391.	1.6	173
104	Molecular isotopic characterisation of hydrocarbon biomarkers in Palaeoceneâ€“Eocene evaporitic, lacustrine source rocks from the Jianghan Basin, China. Organic Geochemistry, 1998, 29, 1745-1764.	0.9	171
105	Variations in spatial and temporal distribution of Archaea in the North Sea in relation to environmental variables. FEMS Microbiology Ecology, 2007, 62, 242-257.	1.3	170
106	Sulphidic Mediterranean surface waters during Pliocene sapropel formation. Nature, 1999, 397, 146-149.	13.7	167
107	Evolution of the methane cycle in Ace Lake (Antarctica) during the Holocene: response of methanogens and methanotrophs to environmental change. Organic Geochemistry, 2004, 35, 1151-1167.	0.9	167
108	Eustatic variations during the Paleoceneâ€Eocene greenhouse world. Paleoceanography, 2008, 23, .	3.0	167

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109	Warm and wet conditions in the Arctic region during Eocene Thermal Maximum 2. Nature Geoscience, 2009, 2, 777-780.	5.4	167
110	Resistant biomacromolecules in marine microalgae of the classes Eustigmatophyceae and Chlorophyceae: Geochemical implications. Organic Geochemistry, 1997, 26, 659-675.	0.9	166
111	Core and Intact Polar Glycerol Dibiphytanyl Glycerol Tetraether Lipids of Ammonia-Oxidizing Archaea Enriched from Marine and Estuarine Sediments. Applied and Environmental Microbiology, 2011, 77, 3468-3477.	1.4	166
112	Recognition of Paleobiochemicals by a Combined Molecular Sulfur and Isotope Geochemical Approach. Science, 1992, 256, 358-362.	6.0	163
113	Three series of non-isoprenoidal dialkyl glycerol diethers in cold-seep carbonate crusts. Organic Geochemistry, 2001, 32, 695-707.	0.9	162
114	The influence of oxic degradation on the sedimentary biomarker record II. Evidence from Arabian Sea sediments. Geochimica Et Cosmochimica Acta, 2002, 66, 2737-2754.	1.6	162
115	The occurrence and identification of series of organic sulphur compounds in oils and sediment extracts: II. Their presence in samples from hypersaline and non-hypersaline palaeoenvironments and possible application as source, palaeoenvironmental and maturity indicators. Geochimica Et Cosmochimica Acta, 1989, 53, 1323-1341.	1.6	161
116	Warm Middle Jurassicâ€“Early Cretaceous high-latitude sea-surface temperatures from the Southern Ocean. Climate of the Past, 2012, 8, 215-226.	1.3	161
117	Crenarchaeol dominates the membrane lipids of Candidatus Nitrososphaera gargensis, a thermophilic Group I.1b Archaeon. ISME Journal, 2010, 4, 542-552.	4.4	160
118	Temporal and spatial variation in tetraether membrane lipids of marine Crenarchaeota in particulate organic matter: Implications for TEX86paleothermometry. Paleoceanography, 2005, 20, n/a-n/a.	3.0	159
119	Anaerobic ammonium oxidation by marine and freshwater planctomycete-like bacteria. Applied Microbiology and Biotechnology, 2003, 63, 107-114.	1.7	156
120	Intact Polar and Core Glycerol Dibiphytanyl Glycerol Tetraether Lipids of Group I.1a and I.1b Thaumarchaeota in Soil. Applied and Environmental Microbiology, 2012, 78, 6866-6874.	1.4	156
121	Calibration and application of the branched GDGT temperature proxy on East African lake sediments. Earth and Planetary Science Letters, 2012, 357-358, 277-288.	1.8	156
122	Organic sulfur compounds formed during early diagenesis in Black Sea sediments. Geochimica Et Cosmochimica Acta, 1995, 59, 521-533.	1.6	153
123	Millennial-scale sea surface temperature changes in the eastern Mediterranean (Nile River Delta) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.0	152
124	Distributions of 5- and 6-methyl branched glycerol dialkyl glycerol tetraethers (brGDGTs) in East African lake sediment: Effects of temperature, pH, and new lacustrine paleotemperature calibrations. Organic Geochemistry, 2018, 117, 56-69.	0.9	152
125	Rapid estimation of the organic sulphur content of kerogens, coals and asphaltenes by pyrolysis-gas chromatography. Fuel, 1990, 69, 1394-1404.	3.4	151
126	Stable Carbon Isotopic Fractionations Associated with Inorganic Carbon Fixation by Anaerobic Ammonium-Oxidizing Bacteria. Applied and Environmental Microbiology, 2004, 70, 3785-3788.	1.4	151

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127	A study of the TEX₈₆ paleothermometer in the water column and sediments of the Santa Barbara Basin, California. Paleoceanography, 2007, 22, .	3.0	151
128	Chemical structure of algaenans from the fresh water algae Tetraedron minimum, Scenedesmus communis and Pediastrum boryanum. Organic Geochemistry, 1998, 29, 1453-1468.	0.9	150
129	Structural identification of ladderane and other membrane lipids of planctomycetes capable of anaerobic ammonium oxidation (anammox). FEBS Journal, 2005, 272, 4270-4283.	2.2	150
130	Large temperature variability in the southern African tropics since the Last Glacial Maximum. Geophysical Research Letters, 2005, 32, .	1.5	150
131	Archaeal and Bacterial Glycerol Dialkyl Glycerol Tetraether Lipids in Hot Springs of Yellowstone National Park. Applied and Environmental Microbiology, 2007, 73, 6181-6191.	1.4	150
132	Occurrence and origin of mono-, di-, and trimethylalkanes in modern and Holocene cyanobacterial mats from Abu Dhabi, United Arab Emirates. Geochimica Et Cosmochimica Acta, 1995, 59, 2999-3015.	1.6	149
133	Significantly warmer Arctic surface temperatures during the Pliocene indicated by multiple independent proxies. Geology, 2010, 38, 603-606.	2.0	149
134	Spatial heterogeneity of sources of branched tetraethers in shelf systems: The geochemistry of tetraethers in the Berau River delta (Kalimantan, Indonesia). Geochimica Et Cosmochimica Acta, 2016, 186, 13-31.	1.6	149
135	Reduced sulfur in euxinic sediments of the Cariaco Basin: sulfur isotope constraints on organic sulfur formation. Chemical Geology, 2003, 195, 159-179.	1.4	148
136	Distribution of tetraether lipids in the 25-ka sedimentary record of Lake Challa: extracting reliable TEX86 and MBT/CBT palaeotemperatures from an equatorial African lake. Quaternary Science Reviews, 2012, 50, 43-54.	1.4	148
137	Cultivation of a highly enriched ammoniaâ€oxidizing archaeon of thaumarchaeotal group I.1b from an agricultural soil. Environmental Microbiology, 2012, 14, 1528-1543.	1.8	148
138	Fossilization and degradation of intact polar lipids in deep subsurface sediments: A theoretical approach. Geochimica Et Cosmochimica Acta, 2010, 74, 3806-3814.	1.6	147
139	Reduced Interannual Rainfall Variability in East Africa During the Last Ice Age. Science, 2011, 333, 743-747.	6.0	146
140	Towards calibration of the TEX86 palaeothermometer for tropical sea surface temperatures in ancient greenhouse worlds. Organic Geochemistry, 2007, 38, 1537-1546.	0.9	145
141	The bacterial sulfur cycle in expanding dysoxic and euxinic marine waters. Environmental Microbiology, 2021, 23, 2834-2857.	1.8	145
142	Structural characterization, occurrence and fate of archaeal ether-bound acyclic and cyclic biphytanes and corresponding diols in sediments. Organic Geochemistry, 1998, 29, 1305-1319.	0.9	144
143	Rapid short-term cooling following the Chicxulub impact at the Cretaceousâ€“Paleogene boundary. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7537-7541.	3.3	144
144	Characterization of Tertiary Catalan lacustrine oil shales: Discovery of extremely organic sulphur-rich Type I kerogens. Geochimica Et Cosmochimica Acta, 1993, 57, 389-415.	1.6	140

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145	Core and intact polar glycerol dialkyl glycerol tetraethers (GDGTs) in Sand Pond, Warwick, Rhode Island (USA): Insights into the origin of lacustrine GDGTs. Geochimica Et Cosmochimica Acta, 2012, 77, 561-581.	1.6	140
146	Biases from natural sulphurization in palaeoenvironmental reconstruction based on hydrocarbon biomarker distributions. Nature, 1991, 349, 775-778.	13.7	139
147	Black shale deposition on the northwest African Shelf during the Cenomanian/Turonian oceanic anoxic event: Climate coupling and global organic carbon burial. Paleoceanography, 2005, 20, n/a-n/a.	3.0	137
148	A CO2 decrease-driven cooling and increased latitudinal temperature gradient during the mid-Cretaceous Oceanic Anoxic Event 2. Earth and Planetary Science Letters, 2010, 293, 97-103.	1.8	137
149	Diversity and ecology of tropical African fungal spores from a 25,000-year palaeoenvironmental record in southeastern Kenya. Review of Palaeobotany and Palynology, 2011, 164, 174-190.	0.8	137
150	The effect of maturity and depositional redox conditions on archaeal tetraether lipid palaeothermometry. Organic Geochemistry, 2004, 35, 567-571.	0.9	136
151	Arctic late Paleoceneâ€“early Eocene paleoenvironments with special emphasis on the Paleoceneâ€Eocene thermal maximum (Lomonosov Ridge, Integrated Ocean Drilling Program Expedition 302). Paleoceanography, 2008, 23, .	3.0	135
152	Restricted utility of aryl isoprenoids as indicators for photic zone anoxia. Geochimica Et Cosmochimica Acta, 1996, 60, 4873-4876.	1.6	134
153	Lacipirellula parvula gen. nov., sp. nov., representing a lineage of planctomycetes widespread in low-oxygen habitats, description of the family Lacipirellulaceae fam. nov. and proposal of the orders Pirellulales ord. nov., Gemmatales ord. nov. and Isosphaerales ord. nov.. Systematic and Applied Microbiology, 2020, 43, 126050.	1.2	134
154	A molecular and carbon isotopic study towards the origin and diagenetic fate of diaromatic carotenoids. Organic Geochemistry, 1994, 22, 703-725.	0.9	133
155	Early incorporation of polysulphides in sedimentary organic matter. Nature, 1989, 341, 640-641.	13.7	132
156	The Paleoceneâ€“Eocene carbon isotope excursion in higher plant organic matter: Differential fractionation of angiosperms and conifers in the Arctic. Earth and Planetary Science Letters, 2007, 258, 581-592.	1.8	131
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