

T I Eglinton

List of Publications by Year in descending order

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328
papers

21,526
citations

8159

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345
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times ranked

14883
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal and Annual Fluxes of Nutrients and Organic Matter from Large Rivers to the Arctic Ocean and Surrounding Seas. <i>Estuaries and Coasts</i> , 2012, 35, 369-382.	1.0	528
2	Molecular proxies for paleoclimatology. <i>Earth and Planetary Science Letters</i> , 2008, 275, 1-16.	1.8	446
3	Global carbon export from the terrestrial biosphere controlled by erosion. <i>Nature</i> , 2015, 521, 204-207.	13.7	394
4	A reassessment of the sources and importance of land-derived organic matter in surface sediments from the Gulf of Mexico. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3055-3075.	1.6	376
5	Mineral protection regulates long-term global preservation of natural organic carbon. <i>Nature</i> , 2019, 570, 228-231.	13.7	354
6	Iron Fertilization of the Subantarctic Ocean During the Last Ice Age. <i>Science</i> , 2014, 343, 1347-1350.	6.0	350
7	Evaluation of a protocol for the quantification of black carbon in sediments. <i>Global Biogeochemical Cycles</i> , 2001, 15, 881-890.	1.9	341
8	Compound-specific D/H ratios of lipid biomarkers from sediments as a proxy for environmental and climatic conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 213-222.	1.6	336
9	Selective preservation of organic matter in marine environments; processes and impact on the sedimentary record. <i>Biogeosciences</i> , 2010, 7, 483-511.	1.3	331
10	Gas Chromatographic Isolation of Individual Compounds from Complex Matrices for Radiocarbon Dating. <i>Analytical Chemistry</i> , 1996, 68, 904-912.	3.2	320
11	Sources and contribution of terrigenous organic carbon to surface sediments in the Gulf of Mexico. <i>Nature</i> , 1997, 389, 275-278.	13.7	312
12	Activation of old carbon by erosion of coastal and subsea permafrost in Arctic Siberia. <i>Nature</i> , 2012, 489, 137-140.	13.7	303
13	Variability in Radiocarbon Ages of Individual Organic Compounds from Marine Sediments. <i>Science</i> , 1997, 277, 796-799.	6.0	291
14	The West Falmouth Oil Spill after Thirty Years: The Persistence of Petroleum Hydrocarbons in Marsh Sediments. <i>Environmental Science & Technology</i> , 2002, 36, 4754-4760.	4.6	282
15	¹⁴ C-Dead Living Biomass: Evidence for Microbial Assimilation of Ancient Organic Carbon During Shale Weathering. <i>Science</i> , 2001, 292, 1127-1131.	6.0	271
16	The effect of grain size and surface area on organic matter, lignin and carbohydrate concentration, and molecular compositions in Peru Margin sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1247-1260.	1.6	266
17	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015, 42, 2830-2835.	1.5	261
18	Origins of lipid biomarkers in Santa Monica Basin surface sediment: a case study using compound-specific ¹⁴ C analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3123-3137.	1.6	260

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19	Spatial and Temporal Offsets Between Proxy Records in a Sediment Drift. <i>Science</i> , 2002, 298, 1224-1227.	6.0	257
20	Distribution and sources of organic biomarkers in arctic sediments from the Mackenzie River and Beaufort Shelf. <i>Marine Chemistry</i> , 2000, 71, 23-51.	0.9	256
21	The supply and preservation of ancient and modern components of organic carbon in the Canadian Beaufort Shelf of the Arctic Ocean. <i>Marine Chemistry</i> , 2005, 93, 53-73.	0.9	253
22	Abrupt Tropical Vegetation Response to Rapid Climate Changes. <i>Science</i> , 2004, 304, 1955-1959.	6.0	244
23	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. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 873-889.	1.6	235
24	High biolability of ancient permafrost carbon upon thaw. <i>Geophysical Research Letters</i> , 2013, 40, 2689-2693.	1.5	230
25	Compound-specific carbon isotopes from Earth's largest flood basalt eruptions directly linked to the end-Triassic mass extinction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6721-6725.	3.3	220
26	A field study of the chemical weathering of ancient sedimentary organic matter. <i>Organic Geochemistry</i> , 2000, 31, 475-487.	0.9	216
27	High-Resolution Record of Pyrogenic Polycyclic Aromatic Hydrocarbon Deposition during the 20th Century. <i>Environmental Science & Technology</i> , 2003, 37, 53-61.	4.6	213
28	Recycling of Graphite During Himalayan Erosion: A Geological Stabilization of Carbon in the Crust. <i>Science</i> , 2008, 322, 943-945.	6.0	205
29	Radiocarbon as a Tool To Apportion the Sources of Polycyclic Aromatic Hydrocarbons and Black Carbon in Environmental Samples. <i>Environmental Science & Technology</i> , 2002, 36, 1774-1782.	4.6	200
30	Utilization of ancient permafrost carbon in headwaters of Arctic fluvial networks. <i>Nature Communications</i> , 2015, 6, 7856.	5.8	189
31	Constraints on the origin of sedimentary organic carbon in the Beaufort Sea from coupled molecular ¹³ C and ¹⁴ C measurements. <i>Marine Chemistry</i> , 2007, 103, 146-162.	0.9	186
32	Centers of organic carbon burial and oxidation at the land-ocean interface. <i>Organic Geochemistry</i> , 2018, 115, 138-155.	0.9	184
33	Differential mobilization of terrestrial carbon pools in Eurasian Arctic river basins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14168-14173.	3.3	180
34	Biomarker records of late Neogene changes in northeast African vegetation. <i>Geology</i> , 2005, 33, 977.	2.0	179
35	An intercomparison of cross-flow filtration techniques used for sampling marine colloids: Overview and organic carbon results. <i>Marine Chemistry</i> , 1996, 55, 1-31.	0.9	173
36	A critical evaluation of interlaboratory data on total, elemental, and isotopic carbon in the carbonaceous particle reference material, NIST SRM 1649a. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2002, 107, 279.	0.4	163

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37	The origin of n -alkanes in Santa Monica Basin surface sediment: a model based on compound-specific $\delta^{14}C$ and $\delta^{13}C$ data. <i>Organic Geochemistry</i> , 2000, 31, 1103-1116.	0.9	161
38	Northeast African vegetation change over 12 m.y.. <i>Geology</i> , 2013, 41, 295-298.	2.0	154
39	Sulfonates: A novel class of organic sulfur compounds in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 4681-4687.	1.6	153
40	Drought, agricultural adaptation, and sociopolitical collapse in the Maya Lowlands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5607-5612.	3.3	152
41	Rapid estimation of the organic sulphur content of kerogens, coals and asphaltenes by pyrolysis-gas chromatography. <i>Fuel</i> , 1990, 69, 1394-1404.	3.4	151
42	Protracted storage of biospheric carbon in the Ganges-Brahmaputra basin. <i>Nature Geoscience</i> , 2011, 4, 843-847.	5.4	150
43	Pre-aged soil organic carbon as a major component of the Yellow River suspended load: Regional significance and global relevance. <i>Earth and Planetary Science Letters</i> , 2015, 414, 77-86.	1.8	148
44	Eastern Pacific cooling and Atlantic overturning circulation during the last deglaciation. <i>Nature</i> , 2006, 443, 846-849.	13.7	136
45	Asynchronous alkenone and foraminifera records from the Benguela Upwelling System. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2157-2171.	1.6	133
46	Characterization of a highly resistant biomacromolecular material in the cell wall of a marine dinoflagellate resting cyst. <i>Organic Geochemistry</i> , 1998, 28, 265-288.	0.9	131
47	Characterization of Sulfur-Containing Functional Groups in Sedimentary Humic Substances by X-ray Absorption Near-Edge Structure Spectroscopy. <i>Energy & Fuels</i> , 1997, 11, 546-553.	2.5	122
48	Composition, age, and provenance of organic matter in NW African dust over the Atlantic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-27.	1.0	118
49	Origins of archaeal tetraether lipids in sediments: Insights from radiocarbon analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4577-4594.	1.6	118
50	Molecular records of continental air temperature and monsoon precipitation variability in East Asia spanning the past 130,000 years. <i>Quaternary Science Reviews</i> , 2014, 83, 76-82.	1.4	118
51	Widespread dispersal and aging of organic carbon in shallow marginal seas. <i>Geology</i> , 2016, 44, 791-794.	2.0	118
52	Unique distributions of hydrocarbons and sulphur compounds released by flash pyrolysis from the fossilised alga <i>Gloeocapsomorpha prisca</i> , a major constituent in one of four Ordovician kerogens. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 275-291.	1.6	114
53	Molecular and radiocarbon constraints on sources and degradation of terrestrial organic carbon along the Kolyma paleoriver transect, East Siberian Sea. <i>Biogeosciences</i> , 2010, 7, 3153-3166.	1.3	113
54	Global-scale evidence for the refractory nature of riverine black carbon. <i>Nature Geoscience</i> , 2018, 11, 584-588.	5.4	111

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55	The provenance of vegetation and environmental signatures encoded in vascular plant biomarkers carried by the Gangesâ€“Brahmaputra rivers. <i>Earth and Planetary Science Letters</i> , 2011, 304, 1-12.	1.8	107
56	Ancient polycyclic aromatic hydrocarbons in modern soils: ^{13}C , ^{14}C and biomarker evidence. <i>Organic Geochemistry</i> , 1997, 26, 353-359.	0.9	104
57	Mineralogical control on the fate of continentally derived organic matter in the ocean. <i>Science</i> , 2019, 366, 742-745.	6.0	104
58	Aging of marine organic matter during crossâ€“shelf lateral transport in the Benguela upwelling system revealed by compoundâ€“specific radiocarbon dating. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	1.0	103
59	An evaluation of ^{14}C age relationships between co-occurring foraminifera, alkenones, and total organic carbon in continental margin sediments. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	101
60	Formation and diagenesis of macromolecular organic sulfur in Peru margin sediments. <i>Organic Geochemistry</i> , 1994, 22, 781-799.	0.9	100
61	Positive priming of terrestrially derived dissolved organic matter in a freshwater microcosm system. <i>Geophysical Research Letters</i> , 2015, 42, 5460-5467.	1.5	100
62	Microbial oxidation of lithospheric organic carbon in rapidly eroding tropical mountain soils. <i>Science</i> , 2018, 360, 209-212.	6.0	97
63	Quantitative study of biomarker hydrocarbons released from kerogens during hydrous pyrolysis. <i>Energy & Fuels</i> , 1988, 2, 81-88.	2.5	94
64	Blank Assessment for Ultra-Small Radiocarbon Samples: Chemical Extraction and Separation Versus AMS. <i>Radiocarbon</i> , 2010, 52, 1322-1335.	0.8	92
65	Biological pump processes in the cryopelagic and hemipelagic Arctic Ocean: Canada Basin and Chukchi Rise. <i>Progress in Oceanography</i> , 2010, 85, 137-170.	1.5	92
66	Bacterial incorporation of relict carbon in the hydrothermal environment of Guaymas Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5477-5486.	1.6	91
67	Identification of a novel alkenone in Black Sea sediments. <i>Organic Geochemistry</i> , 2001, 32, 633-645.	0.9	89
68	A solid state ^{13}C -NMR study of kerogen degradation during black shale weathering. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1867-1882.	1.6	89
69	Stable carbon isotopic analyses of lignin-derived CuO oxidation products by isotope ratio monitoring-gas chromatography-mass spectrometry (irm-GC-MS). <i>Organic Geochemistry</i> , 1996, 24, 601-615.	0.9	88
70	Understanding the Role of the Biological Pump in the Global Carbon Cycle: An Imperative for Ocean Science. <i>Oceanography</i> , 2014, 27, 10-16.	0.5	88
71	Diagenetic and sedimentological controls on the composition of organic matter preserved in California Borderland Basin sediments. <i>Limnology and Oceanography</i> , 2007, 52, 558-576.	1.6	87
72	High-resolution historical records from Pettaquamscutt River basin sediments: 2. Pb isotopes reveal a potential new stratigraphic marker. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1813-1824.	1.6	84

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73	Diverse origins and pre-depositional histories of organic matter in contemporary Chinese marginal sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 191, 70-88.	1.6	84
74	Microbial transformations of organic matter in black shales and implications for global biogeochemical cycles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 219, 157-170.	1.0	83
75	Rare earth element association with foraminifera. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 57-71.	1.6	82
76	Indonesian vegetation response to changes in rainfall seasonality over the past 25,000 years. <i>Nature Geoscience</i> , 2014, 7, 513-517.	5.4	80
77	A new look at old carbon in active margin sediments. <i>Geology</i> , 2009, 37, 239-242.	2.0	78
78	Carbon dynamics in the western Arctic Ocean: insights from full-depth carbon isotope profiles of DIC, DOC, and POC. <i>Biogeosciences</i> , 2012, 9, 1217-1224.	1.3	78
79	DNA and lipid molecular stratigraphic records of haptophyte succession in the Black Sea during the Holocene. <i>Earth and Planetary Science Letters</i> , 2009, 284, 610-621.	1.8	77
80	An interlaboratory study of TEX ₈₆ and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	1.0	76
81	Tectonically-triggered sediment and carbon export to the Hadal zone. <i>Nature Communications</i> , 2018, 9, 121.	5.8	75
82	Spatial variability in the abundance, composition, and age of organic matter in surficial sediments of the East China Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1495-1507.	1.3	74
83	The kinetics of sterane biological marker release and degradation processes during the hydrous pyrolysis of vitrinite kerogen. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 2451-2461.	1.6	72
84	Preferential burial of permafrost-derived organic carbon in Siberian Arctic shelf waters. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8410-8421.	1.0	71
85	Generation of water-soluble organic acids from kerogen during hydrous pyrolysis: implications for porosity development. <i>Mineralogical Magazine</i> , 1987, 51, 495-503.	0.6	70
86	Determination of Microbial Carbon Sources in Petroleum Contaminated Sediments Using Molecular ¹⁴ C Analysis. <i>Environmental Science & Technology</i> , 2005, 39, 2552-2558.	4.6	70
87	Stable chlorine and carbon isotopic compositions of selected semi-volatile organochlorine compounds. <i>Organic Geochemistry</i> , 2002, 33, 437-444.	0.9	67
88	High-resolution historical records from Pettaquamscutt River basin sediments: 1. ²¹⁰ Pb and varve chronologies validate record of ¹³⁷ Cs released by the Chernobyl accident. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1803-1812.	1.6	65
89	Hydrologic control of carbon cycling and aged carbon discharge in the Congo River basin. <i>Nature Geoscience</i> , 2016, 9, 687-690.	5.4	65
90	Organic sulphur in macromolecular sedimentary organic matter. II. Analysis of distributions of sulphur-containing pyrolysis products using multivariate techniques. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 1545-1560.	1.6	64

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91	Carbon isotopic evidence for the origin of macromolecular aliphatic structures in kerogen. <i>Organic Geochemistry</i> , 1994, 21, 721-735.	0.9	64
92	Pre-aged plant waxes in tropical lake sediments and their influence on the chronology of molecular paleoclimate proxy records. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 346-364.	1.6	64
93	Climate control on terrestrial biospheric carbon turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	64
94	Postglacial changes in El Niño and La Niña behavior. <i>Geology</i> , 2010, 38, 43-46.	2.0	63
95	Widespread influence of resuspended sediments on oceanic particulate organic carbon: Insights from radiocarbon and aluminum contents in sinking particles. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	63
96	^{14}C and ^{13}C characteristics of higher plant biomarkers in Washington margin surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 14-30.	1.6	61
97	$\delta^{13}\text{C}$ analyses of individual lignin phenols in Quaternary lake sediments: A novel proxy for deciphering past terrestrial vegetation changes. <i>Geology</i> , 1999, 27, 471.	2.0	60
98	New constraints on the provenance of hopanoids in the marine geologic record: Bacteriohopanepolyols in marine suboxic and anoxic environments. <i>Organic Geochemistry</i> , 2011, 42, 1351-1362.	0.9	60
99	Leaf waxes in litter and topsoils along a European transect. <i>Soil</i> , 2016, 2, 551-564.	2.2	60
100	Online ^{13}C and ^{14}C Gas Measurements by EA-IRMSA-AMS at ETH Zürich. <i>Radiocarbon</i> , 2017, 59, 893-903.	0.8	60
101	A radiocarbon-based assessment of the preservation characteristics of crenarchaeol and alkenones from continental margin sediments. <i>Organic Geochemistry</i> , 2008, 39, 1039-1045.	0.9	59
102	Alkylpyrroles in a kerogen pyrolysate: Evidence for abundant tetrapyrrole pigments. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 1743-1751.	1.6	58
103	On the sedimentological origin of down-core variations of bulk sedimentary nitrogen isotope ratios. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	58
104	3500 yr record of centennial-scale climate variability from the Western Pacific Warm Pool. <i>Geology</i> , 2008, 36, 795.	2.0	58
105	Megathrust earthquake drives drastic organic carbon supply to the hadal trench. <i>Scientific Reports</i> , 2019, 9, 1553.	1.6	58
106	Molecular characterization of microgram amounts of oceanic colloidal organic matter by direct temperature-resolved ammonia chemical ionization mass spectrometry. <i>Organic Geochemistry</i> , 1998, 29, 1051-1061.	0.9	57
107	Even carbon number predominance of plant wax n-alkanes. <i>Organic Geochemistry</i> , 2000, 31, 331-336.	0.9	57
108	Stable Chlorine Isotopic Compositions of Aroclors and Aroclor-Contaminated Sediments. <i>Environmental Science & Technology</i> , 2000, 34, 2866-2870.	4.6	57

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109	Influence of Hydrodynamic Processes on the Fate of Sedimentary Organic Matter on Continental Margins. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1420-1432.	1.9	57
110	Tracing river chemistry in space and time: Dissolved inorganic constituents of the Fraser River, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 283-308.	1.6	56
111	Flash pyrolysis of artificially matured kerogens from the Kimmeridge Clay, U.K.. <i>Organic Geochemistry</i> , 1988, 12, 33-41.	0.9	54
112	The Absence and Application of Stable Carbon Isotopic Fractionation during the Reductive Dechlorination of Polychlorinated Biphenyls. <i>Environmental Science & Technology</i> , 2001, 35, 3310-3313.	4.6	54
113	Radiocarbon Dating of Individual Fatty Acids as a Tool for Refining Antarctic Margin Sediment Chronologies. <i>Radiocarbon</i> , 2003, 45, 17-24.	0.8	54
114	Ongoing Buildup of Refractory Organic Carbon in Boreal Soils During the Holocene. <i>Science</i> , 2006, 314, 1283-1286.	6.0	54
115	A comparison of biomarker records of northeast African vegetation from lacustrine and marine sediments (ca. 3.40Ma). <i>Organic Geochemistry</i> , 2007, 38, 1607-1624.	0.9	54
116	The radiocarbon age of organic carbon in marine surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6788-6800.	1.6	53
117	Dissolved organic carbon loss from Yedoma permafrost amplified by ice wedge thaw. <i>Environmental Research Letters</i> , 2013, 8, 035023.	2.2	53
118	Radiocarbon Evidence for a Naturally Produced, Bioaccumulating Halogenated Organic Compound. <i>Environmental Science & Technology</i> , 2004, 38, 1992-1997.	4.6	52
119	Compound-specific radiocarbon dating of the varved Holocene sedimentary record of Saanich Inlet, Canada. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	52
120	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 200-211.	1.3	52
121	Abundance, Composition, and Vertical Transport of PAHs in Marsh Sediments. <i>Environmental Science & Technology</i> , 2005, 39, 8273-8280.	4.6	51
122	The importance of ultrafine particles as a control on the distribution of organic carbon in Washington Margin and Cascadia Basin sediments. <i>Chemical Geology</i> , 2007, 243, 142-156.	1.4	51
123	Event Stratigraphy in a Hadal Oceanic Trench: The Japan Trench as Sedimentary Archive Recording Recurrent Giant Subduction Zone Earthquakes and Their Role in Organic Carbon Export to the Deep Sea. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	51
124	Kerogen-mineral reactions at raised temperatures in the presence of water. <i>Organic Geochemistry</i> , 1986, 10, 1041-1052.	0.9	48
125	Biomarkers record environmental changes along an altitudinal transect in the wettest place on Earth. <i>Organic Geochemistry</i> , 2013, 60, 93-99.	0.9	48
126	Sources of terrigenous inputs to surface sediments of the Colville River Delta and Simpson's Lagoon, Beaufort Sea, Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 808-824.	1.3	48

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127	Tropical rainfall over the last two millennia: evidence for a low-latitude hydrologic seesaw. <i>Scientific Reports</i> , 2017, 7, 45809.	1.6	48
128	Millennial soil retention of terrestrial organic matter deposited in the Bengal Fan. <i>Scientific Reports</i> , 2018, 8, 11997.	1.6	48
129	An organic tracer for surface ocean radiocarbon. <i>Paleoceanography</i> , 2000, 15, 541-550.	3.0	47
130	Marked isotopic variability within and between the Amazon River and marine dissolved black carbon pools. <i>Nature Communications</i> , 2019, 10, 4018.	5.8	47
131	Compound-Specific Radiocarbon Analysis by Elemental Analyzer—Accelerator Mass Spectrometry: Precision and Limitations. <i>Analytical Chemistry</i> , 2019, 91, 2042-2049.	3.2	47
132	^{13}C and ^{14}C evidence of pollution of a soil by fossil fuel and reconstruction of the composition of the pollutant. <i>Organic Geochemistry</i> , 1995, 23, 969-973.	0.9	46
133	Branched glycerol dialkyl glycerol tetraethers in Arctic lake sediments: Sources and implications for paleothermometry at high latitudes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1738-1754.	1.3	46
134	Multimolecular tracers of terrestrial carbon transfer across the pan-Arctic: ^{14}C characteristics of sedimentary carbon components and their environmental controls. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1855-1873.	1.9	46
135	Abundance, distribution and ^{13}C analysis of microbial phospholipid-derived fatty acids in a black shale weathering profile. <i>Organic Geochemistry</i> , 2003, 34, 731-743.	0.9	45
136	Short communication: Massive erosion in monsoonal central India linked to late Holocene land cover degradation. <i>Earth Surface Dynamics</i> , 2017, 5, 781-789.	1.0	45
137	Lateral organic carbon supply to the deep Canada Basin. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	44
138	Spatiotemporal Variation of the Quality, Origin, and Age of Particulate Organic Matter Transported by the Yangtze River (Changjiang). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2908-2921.	1.3	44
139	Millennial-scale hydroclimate control of tropical soil carbon storage. <i>Nature</i> , 2020, 581, 63-66.	13.7	44
140	Organic Carbon Aging During Across-Shelf Transport. <i>Geophysical Research Letters</i> , 2018, 45, 8425-8434.	1.5	43
141	Isotopic and molecular fractionation in combustion; three routes to molecular marker validation, including direct molecular ^{14}C dating (GC/AMS). <i>Atmospheric Environment</i> , 1999, 33, 2789-2806.	1.9	42
142	Pangean great lake paleoecology on the cusp of the end-Triassic extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 301, 1-17.	1.0	42
143	Characterization of Organically Bound Sulfur in High-Molecular-Weight, Sedimentary Organic Matter Using Flash Pyrolysis and Raney Ni Desulfurization. <i>ACS Symposium Series</i> , 1990, , 486-528.	0.5	41
144	Alkenones as paleoceanographic proxies. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	1.0	41

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145	Rapid lateral particle transport in the Argentine Basin: Molecular ¹⁴ C and ²³⁰ Thxs evidence. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 1224-1243.	0.6	41
146	Lipid biomarkers in Symbiodinium dinoflagellates: new indicators of thermal stress. Coral Reefs, 2013, 32, 923-934.	0.9	41
147	Radiocarbon "dating" of individual chemical compounds in atmospheric aerosol: First results comparing direct isotopic and multivariate statistical apportionment of specific polycyclic aromatic hydrocarbons. Nuclear Instruments & Methods in Physics Research B, 1997, 123, 475-486.	0.6	40
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