

T I Eglinton

List of Publications by Year in descending order

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328
papers

21,526
citations

8180

76
h-index

13770

129
g-index

345
all docs

345
docs citations

345
times ranked

14883
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistence of old soil carbon under changing climate: The role of mineral-organic matter interactions. <i>Chemical Geology</i> , 2022, 587, 120629.	3.3	17
2	Abrupt intrinsic and extrinsic responses of southwestern Iberian vegetation to millennial-scale variability over the past 28 ka. <i>Journal of Quaternary Science</i> , 2022, 37, 420-440.	2.1	5
3	Seasonal variability in particulate organic carbon degradation in the Kolyma River, Siberia. <i>Environmental Research Letters</i> , 2022, 17, 034007.	5.2	12
4	The influence of lateral transport on sedimentary alkenone paleoproxy signals. <i>Biogeosciences</i> , 2022, 19, 613-627.	3.3	6
5	Discharge-Modulated Soil Organic Carbon Export From Temperate Mountainous Headwater Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	2
6	Vegetal Undercurrents Obscure Riverine Dynamics of Plant Debris. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	6
7	Differentiating the Causes of Aged Organic Carbon in Marine Sediments. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
8	Sedimentary Hydrodynamic Processes Under Low-Oxygen Conditions: Implications for Past, Present, and Future Oceans. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	3
9	Multiproxy records of temperature, precipitation and vegetation on the central Chinese Loess Plateau over the past 200,000 years. <i>Quaternary Science Reviews</i> , 2022, 288, 107579.	3.0	6
10	Persistently high efficiencies of terrestrial organic carbon burial in Chinese marginal sea sediments over the last 200 years. <i>Chemical Geology</i> , 2022, 606, 120999.	3.3	8
11	Biomarker constraints on Mediterranean climate and ecosystem transitions during the Early-Middle Miocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110092.	2.3	3
12	Lithogenic Particle Transport Trajectories on the Northwest Atlantic Margin. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	2.6	4
13	Climate control on terrestrial biospheric carbon turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	64
14	Downstream Evolution of Particulate Organic Matter Composition From Permafrost Thaw Slumps. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	9
15	Controls on the abundance, provenance and age of organic carbon buried in continental margin sediments. <i>Earth and Planetary Science Letters</i> , 2021, 558, 116759.	4.4	28
16	Permafrost Carbon and CO ₂ Pathways Differ at Contrasting Coastal Erosion Sites in the Canadian Arctic. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	21
17	Influence of Hydraulic Connectivity on Carbon Burial Efficiency in Mackenzie Delta Lake Sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006054.	3.0	2
18	Pan-Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsides. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006871.	4.9	31

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19	Recent Warming Fuels Increased Organic Carbon Export From Arctic Permafrost. AGU Advances, 2021, 2, e2021AV000396.	5.4	3
20	Preferential export of permafrost-derived organic matter as retrogressive thaw slumping intensifies. Environmental Research Letters, 2021, 16, 054059.	5.2	22
21	The fate of fluvially-deposited organic carbon during transient floodplain storage. Earth and Planetary Science Letters, 2021, 561, 116822.	4.4	23
22	Event-dominated transport, provenance, and burial of organic carbon in the Japan Trench. Earth and Planetary Science Letters, 2021, 563, 116870.	4.4	23
23	CASCADE – The Circum-Arctic Sediment Carbon DatabasE. Earth System Science Data, 2021, 13, 2561-2572.	9.9	22
24	Microbial lipid signatures in Arctic deltaic sediments – Insights into methane cycling and climate variability. Organic Geochemistry, 2021, 157, 104242.	1.8	9
25	Degradation and Aging of Terrestrial Organic Carbon within Estuaries: Biogeochemical and Environmental Implications. Environmental Science & Technology, 2021, 55, 10852-10861.	10.0	26
26	Organic Matter Compositions and Loadings in River Sediments From Humid Tropical Volcanic Luzon Island of the Philippines. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006192.	3.0	5
27	Controls on the age of plant waxes in marine sediments – A global synthesis. Organic Geochemistry, 2021, 157, 104259.	1.8	11
28	Detrital neodymium and (radio)carbon as complementary sedimentary bedfellows? The Western Arctic Ocean as a testbed. Geochimica Et Cosmochimica Acta, 2021, 315, 101-126.	3.9	5
29	Contrasting fates of terrestrial organic carbon pools in marginal sea sediments. Geochimica Et Cosmochimica Acta, 2021, 309, 16-30.	3.9	20
30	An unshakable carbon budget for the Himalaya. Nature Geoscience, 2021, 14, 745-750.	12.9	20
31	Fluvial organic carbon cycling regulated by sediment transit time and mineral protection. Nature Geoscience, 2021, 14, 842-848.	12.9	39
32	Fluvial Organic Carbon Composition Regulated by Seasonal Variability in Lowland River Migration and Water Discharge. Geophysical Research Letters, 2021, 48, .	4.0	10
33	¹⁴ C Blank Assessment in Small-Scale Compound-Specific Radiocarbon Analysis of Lipid Biomarkers and Lignin Phenols. Radiocarbon, 2020, 62, 207-218.	1.8	17
34	Efficient sequestration of terrigenous organic carbon in the New Britain Trench. Chemical Geology, 2020, 533, 119446.	3.3	19
35	Nearshore Zone Dynamics Determine Pathway of Organic Carbon From Eroding Permafrost Coasts. Geophysical Research Letters, 2020, 47, e2020GL088561.	4.0	18
36	An Abrupt Aging of Dissolved Organic Carbon in Large Arctic Rivers. Geophysical Research Letters, 2020, 47, e2020GL088823.	4.0	33

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37	Materials and pathways of the organic carbon cycle through time. <i>Nature Geoscience</i> , 2020, 13, 535-546.	12.9	26
38	Molecular Tracing of Riverine Soil Organic Matter From the Central Himalaya. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087403.	4.0	6
39	Lateral Particle Supply as a Key Vector in the Oceanic Carbon Cycle. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006544.	4.9	10
40	Millennial-scale hydroclimate control of tropical soil carbon storage. <i>Nature</i> , 2020, 581, 63-66.	27.8	44
41	Influence of Sediment Resuspension on the Biological Pump of the Southwestern East Sea (Japan Sea). <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	9
42	Source forensics of n-alkanes and n-fatty acids in urban aerosols using compound specific radiocarbon/stable carbon isotopic composition. <i>Environmental Research Letters</i> , 2020, 15, 074007.	5.2	12
43	Terrestrial Biomolecular Burial Efficiencies on Continental Margins. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2020, 125, e2019JG005520.	3.0	15
44	Island-wide variation in provenance of riverine sedimentary organic carbon: A case study from Taiwan. <i>Earth and Planetary Science Letters</i> , 2020, 539, 116238.	4.4	20
45	Liquid Chromatographic Isolation of Individual Amino Acids Extracted From Sediments for Radiocarbon Analysis. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
46	The impact of abrupt deglacial climate variability on productivity and upwelling on the southwestern Iberian margin. <i>Quaternary Science Reviews</i> , 2020, 230, 106139.	3.0	21
47	Multivariate Statistical and Multiproxy Constraints on Earthquake-Triggered Sediment Remobilization Processes in the Central Japan Trench. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008861.	2.5	21
48	Particulate Organic Matter Dynamics in a Permafrost Headwater Stream and the Kolyma River Mainstem. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2020, 125, e2019JG005511.	3.0	13
49	On the Origin of Aged Sedimentary Organic Matter Along a River-Shelf-Deep Ocean Transect. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2019, 124, 2582-2594.	3.0	23
50	Midlatitude Temperature Variations in the Oligocene to Early Miocene. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1328-1343.	2.9	17
51	Molecular isotopic insights into hydrodynamic controls on fluvial suspended particulate organic matter transport. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 262, 78-91.	3.9	34
52	Marked isotopic variability within and between the Amazon River and marine dissolved black carbon pools. <i>Nature Communications</i> , 2019, 10, 4018.	12.8	47
53	Organic Matter Characterisation along a River Delta to Shelf Transect in Eastern Siberia. , 2019, , .		0
54	Mineralogical control on the fate of continentally derived organic matter in the ocean. <i>Science</i> , 2019, 366, 742-745.	12.6	104

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55	Temporal constraints on lateral organic matter transport along a coastal mud belt. <i>Organic Geochemistry</i> , 2019, 128, 86-93.	1.8	20
56	Significance of Perylene for Source Allocation of Terrigenous Organic Matter in Aquatic Sediments. <i>Environmental Science & Technology</i> , 2019, 53, 8244-8251.	10.0	25
57	Perspectives on provenance and alteration of suspended and sedimentary organic matter in the subtropical Pearl River system, South China. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 270-287.	3.9	29
58	Gulf Stream intensification after the early Pliocene shoaling of the Central American Seaway. <i>Earth and Planetary Science Letters</i> , 2019, 520, 268-278.	4.4	15
59	¹⁴ C characteristics of dissolved lignin along a forest soil profile. <i>Soil Biology and Biochemistry</i> , 2019, 135, 407-410.	8.8	10
60	Mineral protection regulates long-term global preservation of natural organic carbon. <i>Nature</i> , 2019, 570, 228-231.	27.8	354
61	Multi-Substrate Radiocarbon Data Constrain Detrital and Reservoir Effects in Holocene Sediments of the Great Salt Lake, Utah. <i>Radiocarbon</i> , 2019, 61, 905-926.	1.8	6
62	Towards Organic Carbon Isotope Records from Stalagmites: Coupled ¹³ C and ¹⁴ C Analysis Using Wet Chemical Oxidation. <i>Radiocarbon</i> , 2019, 61, 749-764.	1.8	1
63	Isotopic variance among plant lipid homologues correlates with biodiversity patterns of their source communities. <i>PLoS ONE</i> , 2019, 14, e0212211.	2.5	11
64	Sulphuric acid-mediated weathering on Taiwan buffers geological atmospheric carbon sinks. <i>Scientific Reports</i> , 2019, 9, 2945.	3.3	33
65	(In)coherent multiproxy signals in marine sediments: Implications for high-resolution paleoclimate reconstruction. <i>Earth and Planetary Science Letters</i> , 2019, 515, 38-46.	4.4	20
66	Megathrust earthquake drives drastic organic carbon supply to the hadal trench. <i>Scientific Reports</i> , 2019, 9, 1553.	3.3	58
67	A 250 ka leaf-wax ¹³ D record from a loess section in Darai Kalon, Southern Tajikistan. <i>Quaternary Science Reviews</i> , 2019, 208, 118-128.	3.0	16
68	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, .	1.8	51
69	Compound-Specific Radiocarbon Analysis by Elemental Analyzer—Accelerator Mass Spectrometry: Precision and Limitations. <i>Analytical Chemistry</i> , 2019, 91, 2042-2049.	6.5	47
70	Climate variability and sea level change during the Holocene: Insights from an inorganic multi-proxy approach in the SE Brazilian continental shelf. <i>Quaternary International</i> , 2019, 508, 125-141.	1.5	11
71	Influence of Different Acid Treatments on the Radiocarbon Content Spectrum of Sedimentary Organic Matter Determined by RPO/Accelerator Mass Spectrometry. <i>Radiocarbon</i> , 2019, 61, 395-413.	1.8	24
72	Radiocarbon Age Offsets Between Two Surface Dwelling Planktonic Foraminifera Species During Abrupt Climate Events in the SW Iberian Margin. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 63-78.	2.9	22

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73	Impacts of Natural and Human-Induced Hydrological Variability on Particulate Organic Carbon Dynamics in the Yellow River. <i>Environmental Science & Technology</i> , 2019, 53, 1119-1129.	10.0	30
74	Petrogenic organic carbon retention in terrestrial basins: A case study from perialpine Lake Constance. <i>Chemical Geology</i> , 2019, 503, 52-60.	3.3	9
75	Relationships between grain size and organic carbon ¹⁴ C heterogeneity in continental margin sediments. <i>Earth and Planetary Science Letters</i> , 2019, 505, 76-85.	4.4	39
76	Compound-Specific Radiocarbon Measurements. , 2019, , 235-244.		5
77	Temporal deconvolution of vascular plant-derived fatty acids exported from terrestrial watersheds. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 502-521.	3.9	28
78	Deconvolving the Fate of Carbon in Coastal Sediments. <i>Geophysical Research Letters</i> , 2018, 45, 4134-4142.	4.0	21
79	Microbial oxidation of lithospheric organic carbon in rapidly eroding tropical mountain soils. <i>Science</i> , 2018, 360, 209-212.	12.6	97
80	Plant Wax ⁿ -Alkane and ⁿ -Alkanoic Acid Signatures Overprinted by Microbial Contributions and Old Carbon in Meromictic Lake Sediments. <i>Geophysical Research Letters</i> , 2018, 45, 1049-1057.	4.0	22
81	Tectonically-triggered sediment and carbon export to the Hadal zone. <i>Nature Communications</i> , 2018, 9, 121.	12.8	75
82	Temporal variability in composition and fluxes of Yellow River particulate organic matter. <i>Limnology and Oceanography</i> , 2018, 63, S119.	3.1	27
83	Centers of organic carbon burial and oxidation at the land-ocean interface. <i>Organic Geochemistry</i> , 2018, 115, 138-155.	1.8	184
84	Evolution of biomolecular loadings along a major river system. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 389-404.	3.9	34
85	Transient hydrodynamic effects influence organic carbon signatures in marine sediments. <i>Nature Communications</i> , 2018, 9, 4690.	12.8	27
86	Influence of Hydrodynamic Processes on the Fate of Sedimentary Organic Matter on Continental Margins. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1420-1432.	4.9	57
87	On the geological and scientific legacy of petrogenic organic carbon. <i>Numerische Mathematik</i> , 2018, 318, 861-881.	1.4	16
88	Towards the limits: Analysis of microscale ¹⁴ C samples using EA-AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 437, 66-74.	1.4	27
89	Improved Method for Isolation and Purification of Underivatized Amino Acids for Radiocarbon Analysis. <i>Analytical Chemistry</i> , 2018, 90, 12035-12041.	6.5	20
90	Long-chain diols in rivers: distribution and potential biological sources. <i>Biogeosciences</i> , 2018, 15, 4147-4161.	3.3	15

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91	Spatial and temporal variability in coccolithophore abundance and distribution in the NW Iberian coastal upwelling system. <i>Biogeosciences</i> , 2018, 15, 245-262.	3.3	19
92	Global-scale evidence for the refractory nature of riverine black carbon. <i>Nature Geoscience</i> , 2018, 11, 584-588.	12.9	111
93	Contrasting Fates of Petrogenic and Biospheric Carbon in the South China Sea. <i>Geophysical Research Letters</i> , 2018, 45, 9077-9086.	4.0	26
94	A long-term decrease in the persistence of soil carbon caused by ancient Maya land use. <i>Nature Geoscience</i> , 2018, 11, 645-649.	12.9	34
95	Millennial soil retention of terrestrial organic matter deposited in the Bengal Fan. <i>Scientific Reports</i> , 2018, 8, 11997.	3.3	48
96	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.	3.0	44
97	Projections for Future Radiocarbon Content in Dissolved Inorganic Carbon in Hardwater Lakes: A Retrospective Approach. <i>Radiocarbon</i> , 2018, 60, 791-800.	1.8	3
98	Organic Carbon Aging During Across-Shelf Transport. <i>Geophysical Research Letters</i> , 2018, 45, 8425-8434.	4.0	43
99	Dimensions of Radiocarbon Variability within Sedimentary Organic Matter. <i>Radiocarbon</i> , 2018, 60, 775-790.	1.8	20
100	Constraining Instantaneous Fluxes and Integrated Compositions of Fluvially Discharged Organic Matter. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2453-2462.	2.5	13
101	Online ¹³ C and ¹⁴ C Gas Measurements by EA-IRMS-AMS at ETH Zürich. <i>Radiocarbon</i> , 2017, 59, 893-903.	1.8	60
102	Comparative ¹⁴ C and OSL dating of loess-paleosol sequences to evaluate post-depositional contamination of n-alkane biomarkers. <i>Quaternary Research</i> , 2017, 87, 180-189.	1.7	20
103	Relevance of carbon stocks of marine sediments for national greenhouse gas inventories of maritime nations. <i>Carbon Balance and Management</i> , 2017, 12, 10.	3.2	31
104	Tropical rainfall over the last two millennia: evidence for a low-latitude hydrologic seesaw. <i>Scientific Reports</i> , 2017, 7, 45809.	3.3	48
105	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 200-211.	3.0	52
106	What on Earth Have We Been Burning? Deciphering Sedimentary Records of Pyrogenic Carbon. <i>Environmental Science & Technology</i> , 2017, 51, 12972-12980.	10.0	23
107	Molecular signatures of dissolved organic matter in a tropical karst system. <i>Organic Geochemistry</i> , 2017, 113, 141-149.	1.8	13
108	Comprehensive radiocarbon analysis of benzene polycarboxylic acids (BPCAs) derived from pyrogenic carbon in environmental samples. <i>Radiocarbon</i> , 2017, 59, 1103-1116.	1.8	37

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109	A New Zealand perspective on centennial-scale Southern Hemisphere westerly wind shifts during the last two millennia. <i>Quaternary Science Reviews</i> , 2017, 172, 32-43.	3.0	10
110	Hydrologic controls on seasonal and inter-annual variability of Congo River particulate organic matter source and reservoir age. <i>Chemical Geology</i> , 2017, 466, 454-465.	3.3	28
111	¹⁴ C Variation of Dissolved Lignin in Arctic River Systems. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 334-344.	2.7	17
112	Branched GDGT signals in fluvial sediments of the Danube River basin: Method comparison and longitudinal evolution. <i>Organic Geochemistry</i> , 2017, 103, 88-96.	1.8	30
113	Diverse Soil Carbon Dynamics Expressed at the Molecular Level. <i>Geophysical Research Letters</i> , 2017, 44, 11,840.	4.0	38
114	Grain Size Associations of Branched Tetraether Lipids in Soils and Riverbank Sediments: Influence of Hydrodynamic Sorting Processes. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	14
115	Short communication: Massive erosion in monsoonal central India linked to late Holocene land cover degradation. <i>Earth Surface Dynamics</i> , 2017, 5, 781-789.	2.4	45
116	Biological and physical controls on the flux and characteristics of sinking particles on the Northwest Atlantic margin. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4539-4553.	2.6	6
117	Leaf waxes in litter and topsoils along a European transect. <i>Soil</i> , 2016, 2, 551-564.	4.9	60
118	Macromolecular composition of terrestrial and marine organic matter in sediments across the East Siberian Arctic Shelf. <i>Cryosphere</i> , 2016, 10, 2485-2500.	3.9	16
119	Arctic Deltaic Lake Sediments As Recorders of Fluvial Organic Matter Deposition. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	12
120	Rapid ¹⁴ C Analysis of Dissolved Organic Carbon in Non-Saline Waters. <i>Radiocarbon</i> , 2016, 58, 505-515.	1.8	24
121	Hydrological and climatological controls on radiocarbon concentrations in a tropical stalagmite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 194, 233-252.	3.9	28
122	Hydrologic control of carbon cycling and aged carbon discharge in the Congo River basin. <i>Nature Geoscience</i> , 2016, 9, 687-690.	12.9	65
123	Widespread dispersal and aging of organic carbon in shallow marginal seas. <i>Geology</i> , 2016, 44, 791-794.	4.4	118
124	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.	3.9	84
125	A novel approach for construction of radiocarbon-based chronologies for speleothems. <i>Quaternary Geochronology</i> , 2016, 35, 54-66.	1.4	15
126	Steroidal estrogen sources in a sewage-impacted coastal ocean. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 981-991.	3.5	13

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127	Decoupled sedimentary records of combustion: Causes and implications. <i>Geophysical Research Letters</i> , 2016, 43, 5098-5108.	4.0	11
128	Citation for presentation of the 2014 C.C. Patterson Award to Christopher M. Reddy. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 458-460.	3.9	0
129	Historical records of organic matter supply and degradation status in the East Siberian Sea. <i>Organic Geochemistry</i> , 2016, 91, 16-30.	1.8	39
130	Investigating the influence of regional climate and oceanography on marine radiocarbon reservoir ages in southwest New Zealand. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 167, 526-539.	2.1	10
131	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.	4.9	46
132	Temporal and spatial variability of particle transport in the deep Arctic Basin. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2784-2799.	2.6	29
133	Positive priming of terrestrially derived dissolved organic matter in a freshwater microcosm system. <i>Geophysical Research Letters</i> , 2015, 42, 5460-5467.	4.0	100
134	Microbial mediation of complex subterranean mineral structures. <i>Scientific Reports</i> , 2015, 5, 15525.	3.3	36
135	Seasonal hydrology drives rapid shifts in the flux and composition of dissolved and particulate organic carbon and major and trace ions in the Fraser River, Canada. <i>Biogeosciences</i> , 2015, 12, 5597-5618.	3.3	24
136	Multi-molecular tracers of terrestrial carbon transfer across the pan-Arctic: comparison of hydrolyzable components with plant wax lipids and lignin phenols. <i>Biogeosciences</i> , 2015, 12, 4841-4860.	3.3	24
137	A laboratory experiment on the behaviour of soil-derived core and intact polar GDGTs in aquatic environments. <i>Biogeosciences</i> , 2015, 12, 933-943.	3.3	16
138	Coupling ² H and ¹⁸ O biomarker results yields information on relative humidity and isotopic composition of precipitation at a climate transect validation study. <i>Biogeosciences</i> , 2015, 12, 3913-3924.	3.3	34
139	Grand challenges in biogeoscience. <i>Frontiers in Earth Science</i> , 2015, 3, .	1.8	5
140	Sources of organic matter in Changjiang (Yangtze River) bed sediments: Preliminary insights from organic geochemical proxies. <i>Organic Geochemistry</i> , 2015, 85, 11-21.	1.8	36
141	Spatial variations in geochemical characteristics of the modern Mackenzie Delta sedimentary system. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 171, 100-120.	3.9	36
142	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.	4.4	148
143	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.	7.1	152
144	Global carbon export from the terrestrial biosphere controlled by erosion. <i>Nature</i> , 2015, 521, 204-207.	27.8	394

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145	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015, 42, 2830-2835.	4.0	261
146	Utilization of ancient permafrost carbon in headwaters of Arctic fluvial networks. <i>Nature Communications</i> , 2015, 6, 7856.	12.8	189
147	Interactive effects of elevated CO_2 and nitrogen deposition on fatty acid molecular and isotope composition of above- and belowground tree biomass and forest soil fractions. <i>Global Change Biology</i> , 2015, 21, 473-486.	9.5	28
148	Understanding the Role of the Biological Pump in the Global Carbon Cycle: An Imperative for Ocean Science. <i>Oceanography</i> , 2014, 27, 10-16.	1.0	88
149	On the stratigraphic integrity of leaf-wax biomarkers in loess paleosols. <i>Biogeosciences</i> , 2014, 11, 2455-2463.	3.3	31
150	Iron Fertilization of the Subantarctic Ocean During the Last Ice Age. <i>Science</i> , 2014, 343, 1347-1350.	12.6	350
151	Carbon cycling and burial in New Zealand's fjords. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4047-4063.	2.5	27
152	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.	3.0	118
153	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.	3.9	56
154	Organic Matter in the Contemporary Ocean. , 2014, , 151-189.		18
155	Measuring Free, Conjugated, and Halogenated Estrogens in Secondary Treated Wastewater Effluent. <i>Environmental Science & Technology</i> , 2014, 48, 2569-2578.	10.0	31
156	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.	3.9	64
157	C4 plant expansion in the Ganga Plain during the last glacial cycle: Insights from isotopic composition of vascular plant biomarkers. <i>Organic Geochemistry</i> , 2014, 67, 58-71.	1.8	33
158	Unusual C35 to C38 alkenones in mid-Holocene sediments from a restricted estuary (Charlotte Harbor,)	1.8	11
159	Alkenones as tracers of surface ocean temperature and biological pump processes on the Northwest Atlantic margin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 83, 115-123.	1.4	8
160	Indonesian vegetation response to changes in rainfall seasonality over the past 25,000 years. <i>Nature Geoscience</i> , 2014, 7, 513-517.	12.9	80
161	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.	3.0	46
162	Preferential burial of permafrost-derived organic carbon in Siberian Arctic shelf waters. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8410-8421.	2.6	71

#	ARTICLE	IF	CITATIONS
163	Lipid biomarkers in Symbiodinium dinoflagellates: new indicators of thermal stress. <i>Coral Reefs</i> , 2013, 32, 923-934.	2.2	41
164	Northeast African vegetation change over 12 m.y.. <i>Geology</i> , 2013, 41, 295-298.	4.4	154
165	14C and 13C characteristics of higher plant biomarkers in Washington margin surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 14-30.	3.9	61
166	Molecular and isotopic insights into particulate organic carbon sources and dynamics in Jordan Basin, Gulf of Maine. <i>Continental Shelf Research</i> , 2013, 68, 15-22.	1.8	4
167	High biolability of ancient permafrost carbon upon thaw. <i>Geophysical Research Letters</i> , 2013, 40, 2689-2693.	4.0	230
168	Biomarkers record environmental changes along an altitudinal transect in the wettest place on Earth. <i>Organic Geochemistry</i> , 2013, 60, 93-99.	1.8	48
169	Dissolved organic carbon loss from Yedoma permafrost amplified by ice wedge thaw. <i>Environmental Research Letters</i> , 2013, 8, 035023.	5.2	53
170	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.	7.1	180
171	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.	3.0	74
172	An interlaboratory study of TEX ₈₆ and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	2.5	76
173	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.	3.0	48
174	Prominent bacterial heterotrophy and sources of $\delta^{13}\text{C}$ -depleted fatty acids to the interior Canada Basin. <i>Biogeosciences</i> , 2013, 10, 7065-7080.	3.3	5
175	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.	3.3	78
176	Carbon isotopic (^{13}C and ^{14}C) composition of synthetic estrogens and progestogens. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2619-2626.	1.5	2
177	Activation of old carbon by erosion of coastal and subsea permafrost in Arctic Siberia. <i>Nature</i> , 2012, 489, 137-140.	27.8	303
178	Hopanoids in marine cyanobacteria: probing their phylogenetic distribution and biological role. <i>Geobiology</i> , 2012, 10, 311-319.	2.4	24
179	Distribution of anaerobic ammonia-oxidizing bacteria in a subterranean estuary. <i>Marine Chemistry</i> , 2012, 136-137, 7-13.	2.3	23
180	Rare earth element association with foraminifera. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 57-71.	3.9	82

#	ARTICLE	IF	CITATIONS
181	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.	2.2	528
182	Merging late Holocene molecular organic and foraminiferal-based geochemical records of sea surface temperature in the Gulf of Mexico. <i>Paleoceanography</i> , 2011, 26, .	3.0	27
183	Protracted storage of biospheric carbon in the Ganges-Brahmaputra basin. <i>Nature Geoscience</i> , 2011, 4, 843-847.	12.9	150
184	A depositional history of particulate organic carbon in a floodplain lake from the lower Ob River, Siberia. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4796-4815.	3.9	17
185	Radiocarbon and ²³⁰ Th data reveal rapid redistribution and temporal changes in sediment focussing at a North Atlantic drift. <i>Earth and Planetary Science Letters</i> , 2011, 301, 373-381.	4.4	18
186	The provenance of vegetation and environmental signatures encoded in vascular plant biomarkers carried by the Ganges-Brahmaputra rivers. <i>Earth and Planetary Science Letters</i> , 2011, 304, 1-12.	4.4	107
187	Abundance and structural diversity of bacteriohopanepolyols in suspended particulate matter along a river to ocean transect. <i>Organic Geochemistry</i> , 2011, 42, 774-780.	1.8	36
188	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.	1.8	60
189	Pangean great lake paleoecology on the cusp of the end-Triassic extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 301, 1-17.	2.3	42
190	Blank Assessment for Ultra-Small Radiocarbon Samples: Chemical Extraction and Separation Versus AMS. <i>Radiocarbon</i> , 2010, 52, 1322-1335.	1.8	92
191	Biological pump processes in the cryopelagic and hemipelagic Arctic Ocean: Canada Basin and Chukchi Rise. <i>Progress in Oceanography</i> , 2010, 85, 137-170.	3.2	92
192	Selective preservation of organic matter in marine environments; processes and impact on the sedimentary record. <i>Biogeosciences</i> , 2010, 7, 483-511.	3.3	331
193	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.	3.3	113
194	Postglacial changes in El Niño and La Niña behavior. <i>Geology</i> , 2010, 38, 43-46.	4.4	63
195	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, .	4.9	63
196	The radiocarbon age of organic carbon in marine surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6788-6800.	3.9	53
197	Timescales of lateral sediment transport in the Panama Basin as revealed by radiocarbon ages of alkenones, total organic carbon and foraminifera. <i>Earth and Planetary Science Letters</i> , 2010, 290, 340-350.	4.4	35
198	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.	7.1	220

#	ARTICLE	IF	CITATIONS
199	Molecular and isotopic constraints on the sources of suspended particulate organic carbon on the northwestern Atlantic margin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1284-1297.	1.4	16
200	Dynamics of particle export on the Northwest Atlantic margin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1792-1803.	1.4	27
201	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.	4.4	77
202	High-resolution sensitivity measurement of diverse vascular plant-derived biomarkers in high-altitude ice cores. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	8
203	A new look at old carbon in active margin sediments. <i>Geology</i> , 2009, 37, 239-242.	4.4	78
204	Tempestuous transport. <i>Nature Geoscience</i> , 2008, 1, 727-728.	12.9	10
205	Recycling of Graphite During Himalayan Erosion: A Geological Stabilization of Carbon in the Crust. <i>Science</i> , 2008, 322, 943-945.	12.6	205
206	A radiocarbon-based assessment of the preservation characteristics of crenarchaeol and alkenones from continental margin sediments. <i>Organic Geochemistry</i> , 2008, 39, 1039-1045.	1.8	59
207	Molecular proxies for paleoclimatology. <i>Earth and Planetary Science Letters</i> , 2008, 275, 1-16.	4.4	446
208	Origins of archaeal tetraether lipids in sediments: Insights from radiocarbon analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4577-4594.	3.9	118
209	Lateral organic carbon supply to the deep Canada Basin. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	44
210	Compound-specific radiocarbon dating of Ross Sea sediments: A prospect for constructing chronologies in high-latitude oceanic sediments. <i>Quaternary Geochronology</i> , 2008, 3, 235-243.	1.4	38
211	Radiocarbon-Based Assessment of Fossil Fuel-Derived Contaminant Associations in Sediments. <i>Environmental Science & Technology</i> , 2008, 42, 5428-5434.	10.0	19
212	3500 yr record of centennial-scale climate variability from the Western Pacific Warm Pool. <i>Geology</i> , 2008, 36, 795.	4.4	58
213	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.	3.1	87
214	Isotopic records of tropical vegetation and climate change from terrestrial vascular plant biomarkers preserved in Cariaco Basin sediments. <i>Organic Geochemistry</i> , 2007, 38, 1680-1691.	1.8	27
215	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.	1.8	54
216	Relationships between carbon isotopic composition and mode of binding of natural organic matter in selected marine sediments. <i>Organic Geochemistry</i> , 2007, 38, 1824-1837.	1.8	9

#	ARTICLE	IF	CITATIONS
217	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.	3.3	51
218	Aging of marine organic matter during cross-shelf lateral transport in the Benguela upwelling system revealed by compound-specific radiocarbon dating. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	2.5	103
219	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.	2.3	186
220	Radiocarbon constraint on relict organic carbon contributions to Ross Sea sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	20
221	Source(s) and cycling of the nonhydrolyzable organic fraction of oceanic particles. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5162-5168.	3.9	15
222	Rapid lateral particle transport in the Argentine Basin: Molecular ¹⁴ C and ²³⁰ Thxs evidence. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 1224-1243.	1.4	41
223	Eastern Pacific cooling and Atlantic overturning circulation during the last deglaciation. <i>Nature</i> , 2006, 443, 846-849.	27.8	136
224	Ongoing Buildup of Refractory Organic Carbon in Boreal Soils During the Holocene. <i>Science</i> , 2006, 314, 1283-1286.	12.6	54
225	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.	2.3	253
226	Radiocarbon Dating of Alkenones from Marine Sediments: I. Isolation Protocol. <i>Radiocarbon</i> , 2005, 47, 401-412.	1.8	31
227	Radiocarbon Dating of Alkenones from Marine Sediments: II. Assessment of Carbon Process Blanks. <i>Radiocarbon</i> , 2005, 47, 413-424.	1.8	20
228	Radiocarbon Dating of Alkenones from Marine Sediments: III. Influence of Solvent Extraction Procedures on ¹⁴ C Measurements of Foraminifera. <i>Radiocarbon</i> , 2005, 47, 425-432.	1.8	13
229	Abundance, Composition, and Vertical Transport of PAHs in Marsh Sediments. <i>Environmental Science & Technology</i> , 2005, 39, 8273-8280.	10.0	51
230	Determination of Microbial Carbon Sources in Petroleum Contaminated Sediments Using Molecular ¹⁴ C Analysis. <i>Environmental Science & Technology</i> , 2005, 39, 2552-2558.	10.0	70
231	Isotopic Constraints on the Fate of Petroleum Residues Sequestered in Salt Marsh Sediments. <i>Environmental Science & Technology</i> , 2005, 39, 2545-2551.	10.0	39
232	Biomarker records of late Neogene changes in northeast African vegetation. <i>Geology</i> , 2005, 33, 977.	4.4	179
233	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.	3.9	84
234	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.	3.9	65

#	ARTICLE	IF	CITATIONS
235	Terrigenous plant wax inputs to the Arabian Sea: Implications for the reconstruction of winds associated with the Indian Monsoon. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2547-2558.	3.9	32
236	Bacterial incorporation of relict carbon in the hydrothermal environment of Guaymas Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5477-5486.	3.9	91
237	Microbial transformations of organic matter in black shales and implications for global biogeochemical cycles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 219, 157-170.	2.3	83
238	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
239	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
240	Microbial transformations of organic matter in black shales and implications for global biogeochemical cycles. , 2005, , 157-170.		2
241	Radiocarbon Evidence for a Naturally Produced, Bioaccumulating Halogenated Organic Compound. <i>Environmental Science & Technology</i> , 2004, 38, 1992-1997.	10.0	52
242	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
243	Rapid analysis of ^{13}C in plant-wax-n-alkanes for reconstruction of terrestrial vegetation signals from aquatic sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	18
244	Invariant chlorine isotopic signatures during microbial PCB reductive dechlorination. <i>Environmental Pollution</i> , 2004, 128, 445-448.	7.5	16
245	Abrupt Tropical Vegetation Response to Rapid Climate Changes. <i>Science</i> , 2004, 304, 1955-1959.	12.6	244
246	Innovative methods for determining alkenone unsaturation indices. <i>Marine Chemistry</i> , 2003, 83, 5-22.	2.3	8
247	High-Resolution Record of Pyrogenic Polycyclic Aromatic Hydrocarbon Deposition during the 20th Century. <i>Environmental Science & Technology</i> , 2003, 37, 53-61.	10.0	213
248	Response to Comment on "The West Falmouth Oil Spill after Thirty Years: The Persistence of Petroleum Hydrocarbons in Marsh Sediments" <i>Environmental Science & Technology</i> , 2003, 37, 2021-2021.	10.0	2
249	Asynchronous alkenone and foraminifera records from the Benguela Upwelling System. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2157-2171.	3.9	133
250	Abundance, distribution and $\delta^{13}\text{C}$ analysis of microbial phospholipid-derived fatty acids in a black shale weathering profile. <i>Organic Geochemistry</i> , 2003, 34, 731-743.	1.8	45
251	Organic Matter in the Contemporary Ocean. , 2003, , 145-180.		15
252	Radiocarbon Dating of Individual Fatty Acids as a Tool for Refining Antarctic Margin Sediment Chronologies. <i>Radiocarbon</i> , 2003, 45, 17-24.	1.8	54

#	ARTICLE	IF	CITATIONS
253	Spatial and Temporal Offsets Between Proxy Records in a Sediment Drift. <i>Science</i> , 2002, 298, 1224-1227.	12.6	257
254	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.	10.0	282
255	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.	10.0	200
256	Composition, age, and provenance of organic matter in NW African dust over the Atlantic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-27.	2.5	118
257	Stable chlorine and carbon isotopic compositions of selected semi-volatile organochlorine compounds. <i>Organic Geochemistry</i> , 2002, 33, 437-444.	1.8	67
258	Radiocarbon content of synthetic and natural semi-volatile halogenated organic compounds. <i>Environmental Pollution</i> , 2002, 120, 163-168.	7.5	38
259	Stable chlorine intramolecular kinetic isotope effects from the abiotic dehydrochlorination of DDT. <i>Environmental Science and Pollution Research</i> , 2002, 9, 183-186.	5.3	29
260	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.	1.2	163
261	Evaluation of a protocol for the quantification of black carbon in sediments. <i>Global Biogeochemical Cycles</i> , 2001, 15, 881-890.	4.9	341
262	Identification of a novel alkenone in Black Sea sediments. <i>Organic Geochemistry</i> , 2001, 32, 633-645.	1.8	89
263	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.	3.9	336
264	A solid state ¹³ C-NMR study of kerogen degradation during black shale weathering. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1867-1882.	3.9	89
265	Origins of lipid biomarkers in Santa Monica Basin surface sediment: a case study using compound-specific ¹³ C analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3123-3137.	3.9	260
266	¹⁴ C-Dead Living Biomass: Evidence for Microbial Assimilation of Ancient Organic Carbon During Shale Weathering. <i>Science</i> , 2001, 292, 1127-1131.	12.6	271
267	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.	10.0	54
268	Single Compound Radiocarbon Measurements. , 2001, , 2786-2795.		0
269	Single Compound Radiocarbon Measurements. , 2001, , 419-427.		0
270	Distribution and sources of organic biomarkers in arctic sediments from the Mackenzie River and Beaufort Shelf. <i>Marine Chemistry</i> , 2000, 71, 23-51.	2.3	256

#	ARTICLE	IF	CITATIONS
271	Direct temperature-resolved mass spectrometry as a technique for the semi-quantitative analysis of marine particulate organic matter. <i>Journal of Analytical and Applied Pyrolysis</i> , 2000, 53, 19-34.	5.5	10
272	The Radiocarbon Content of Individual Lignin-Derived Phenols: Technique and Initial Results. <i>Radiocarbon</i> , 2000, 42, 219-227.	1.8	23
273	Incorporation of ¹³ C-Labeled Coniferyl Alcohol into Developing <i>Ginkgo biloba</i> L. Lignin Revealed by Analytical Pyrolysis and CuO Oxidation in Combination with Isotope Ratio Monitoring-Gas Chromatography-Mass Spectrometry. <i>Holzforschung</i> , 2000, 54, 39-54.	1.9	13
274	A field study of the chemical weathering of ancient sedimentary organic matter. <i>Organic Geochemistry</i> , 2000, 31, 475-487.	1.8	216
275	Even carbon number predominance of plant wax n-alkanes. <i>Organic Geochemistry</i> , 2000, 31, 331-336.	1.8	57
276	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.	1.8	161
277	Stable Chlorine Isotopic Compositions of Aroclors and Aroclor-Contaminated Sediments. <i>Environmental Science & Technology</i> , 2000, 34, 2866-2870.	10.0	57
278	An organic tracer for surface ocean radiocarbon. <i>Paleoceanography</i> , 2000, 15, 541-550.	3.0	47
279	Alkenones as paleoceanographic proxies. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	2.5	41
280	Alkenone biomarkers gain recognition as molecular paleoceanographic proxies. <i>Eos</i> , 2000, 81, 253.	0.1	7
281	$\delta^{13}C$ analyses of individual lignin phenols in Quaternary lake sediments: A novel proxy for deciphering past terrestrial vegetation changes. <i>Geology</i> , 1999, 27, 471.	4.4	60
282	Molecular-level variations in particulate organic matter subclasses along the Mid-Atlantic Bight. <i>Marine Chemistry</i> , 1999, 67, 103-122.	2.3	13
283	Isotopic and molecular fractionation in combustion; three routes to molecular marker validation, including direct molecular $\delta^{13}C$ -dating (GC/AMS). <i>Atmospheric Environment</i> , 1999, 33, 2789-2806.	4.1	42
284	Protocol for the Characterization of Oceanic Particles via Flow Cytometric Sorting and Direct Temperature-Resolved Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 2003-2013.	6.5	18
285	Alkanes from plants of the genus <i>achillea</i> . <i>Journal of the Serbian Chemical Society</i> , 1999, 64, 443-446.	0.8	10
286	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.	1.8	131
287	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.	1.8	57
288	The compositional heterogeneity of particulate organic matter from the surface ocean: an investigation using flow cytometry and DT-MS. <i>Organic Geochemistry</i> , 1998, 29, 1561-1582.	1.8	24

#	ARTICLE	IF	CITATIONS
289	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.	3.9	376
290	A Coupled Molecular Isotopic Approach to Trace Sources of Organic Carbon Preserved in the Sedimentary Record. <i>Mineralogical Magazine</i> , 1998, 62A, 413-414.	1.4	3
291	Speciation of the Organic Sulfur Forms in a Recent Sediment and Type I and II-S Kerogens by High-Pressure Temperature-Programmed Reduction. <i>Energy & Fuels</i> , 1997, 11, 532-538.	5.1	14
292	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.	5.1	122
293	Variability in Radiocarbon Ages of Individual Organic Compounds from Marine Sediments. <i>Science</i> , 1997, 277, 796-799.	12.6	291
294	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.	3.9	266
295	Ancient polycyclic aromatic hydrocarbons in modern soils: ^{13}C , ^{14}C and biomarker evidence. <i>Organic Geochemistry</i> , 1997, 26, 353-359.	1.8	104
296	Sources and contribution of terrigenous organic carbon to surface sediments in the Gulf of Mexico. <i>Nature</i> , 1997, 389, 275-278.	27.8	312
297	Radiocarbon α -dating of individual chemical compounds in atmospheric aerosol: First results comparing direct isotopic and multivariate statistical apportionment of specific polycyclic aromatic hydrocarbons. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 123, 475-486.	1.4	40
298	Gas Chromatographic Isolation of Individual Compounds from Complex Matrices for Radiocarbon Dating. <i>Analytical Chemistry</i> , 1996, 68, 904-912.	6.5	320
299	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.	1.8	88
300	Microscale characterization of algal and related particulate organic matter by direct temperature-resolved mass spectrometry. <i>Marine Chemistry</i> , 1996, 52, 27-54.	2.3	30
301	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.	2.3	173
302	Influence of Sulphur Cross-linking on the Molecular-Size Distribution of Sulphur-Rich Macromolecules in Bitumen. <i>ACS Symposium Series</i> , 1995, , 80-92.	0.5	8
303	Transformations in Organic Sulfur Speciation During Maturation of Monterey Shale: Constraints from Laboratory Experiments. <i>ACS Symposium Series</i> , 1995, , 138-166.	0.5	18
304	^{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.	1.8	46
305	Analysis of kerogens and kerogen precursors by flash pyrolysis in combination with isotope-ratio-monitoring gas chromatography-mass spectrometry (irm-GC-MS). <i>Journal of High Resolution Chromatography</i> , 1994, 17, 476-488.	1.4	34
306	Sulfonates: A novel class of organic sulfur compounds in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 4681-4687.	3.9	153

#	ARTICLE	IF	CITATIONS
307	Carbon isotopic evidence for the origin of macromolecular aliphatic structures in kerogen. <i>Organic Geochemistry</i> , 1994, 21, 721-735.	1.8	64
308	Formation and diagenesis of macromolecular organic sulfur in Peru margin sediments. <i>Organic Geochemistry</i> , 1994, 22, 781-799.	1.8	100
309	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.	3.9	64
310	Alkylpyrroles in a kerogen pyrolysate: Evidence for abundant tetrapyrrole pigments. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 1743-1751.	3.9	58
311	Pyrolysis-gas chromatographic atomic emission detection for sediments, coals and other petrochemical precursors. <i>Journal of Analytical Atomic Spectrometry</i> , 1992, 7, 979-985.	3.0	24
312	Differentiation of German Tertiary brown coal lithotypes (amorphous™ and woody™ kerogens) using ruthenium tetroxide oxidation and pyrolysis-g.c.-m.s.. <i>Fuel</i> , 1992, 71, 31-36.	6.4	20
313	Distribution and Structure of Hydrocarbons and Heterocyclic Sulfur Compounds Released from Four Kerogens of Ordovician Age by Means of Flash Pyrolysis. , 1992, , 267-278.		3
314	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.	3.9	114
315	Rapid estimation of the organic sulphur content of kerogens, coals and asphaltenes by pyrolysis-gas chromatography. <i>Fuel</i> , 1990, 69, 1394-1404.	6.4	151
316	Analysis of Maturity-Related Changes in the Organic Sulfur Composition of Kerogens by Flash Pyrolysis-gas Chromatography. <i>ACS Symposium Series</i> , 1990, , 529-565.	0.5	30
317	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
318	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.	3.9	72
319	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.	3.9	235
320	Quantitative study of biomarker hydrocarbons released from kerogens during hydrous pyrolysis. <i>Energy & Fuels</i> , 1988, 2, 81-88.	5.1	94
321	Release of aliphatic, aromatic and sulphur compounds from Kimmeridge kerogen by hydrous pyrolysis: A quantitative study. <i>Organic Geochemistry</i> , 1988, 13, 655-663.	1.8	34
322	Flash pyrolysis of artificially matured kerogens from the Kimmeridge Clay, U.K.. <i>Organic Geochemistry</i> , 1988, 12, 33-41.	1.8	54
323	Generation of water-soluble organic acids from kerogen during hydrous pyrolysis: implications for porosity development. <i>Mineralogical Magazine</i> , 1987, 51, 495-503.	1.4	70
324	Kerogen-mineral reactions at raised temperatures in the presence of water. <i>Organic Geochemistry</i> , 1986, 10, 1041-1052.	1.8	48

#	ARTICLE	IF	CITATIONS
325	Structural relationships in protokerogens and other geopolymers from oxic and anoxic sediments. <i>Organic Geochemistry</i> , 1984, 6, 279-286.	1.8	19
326	Paleolimnological studies of annually-laminated sediments in Loe Pool, Cornwall, U.K.. <i>Hydrobiologia</i> , 1983, 103, 185-191.	2.0	7
327	The evolution of carbon signatures carried by the Ganges-Brahmaputra river system: a source-to-sink perspective. , 0, , 353-372.		4
328	Isotopic evidence for sources of dissolved carbon and the role of organic matter respiration in the Fraser River basin, Canada. <i>Biogeochemistry</i> , 0, , .	3.5	3