Ronald Benner

List of Publications by Year
in descending order

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197 papers	28,032 citations	4146 87 h-index	5988 160 g-index
215 all docs	215 docs citations	215 times ranked	14363 citing authors

#	Article	IF	Citations
1	Reply to comment: Controls on turnover of marine dissolved organic matterâ€"testing the null hypothesis of purely concentrationâ€driven uptake. Limnology and Oceanography, 2022, 67, 680-683.	3.1	8
2	Spatial abundance distribution of prokaryotes is associated with dissolved organic matter composition and ecosystem function. Limnology and Oceanography, 2021, 66, 575-587.	3.1	13
3	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. Earth System Science Data, 2021, 13, 1561-1592.	9.9	11
4	What Is Refractory Organic Matter in the Ocean?. Frontiers in Marine Science, 2021, 8, .	2.5	31
5	Insights into the origins, molecular characteristics and distribution of iron-binding ligands in the Arctic Ocean. Marine Chemistry, 2021, 231, 103936.	2.3	12
6	Molecular properties are a primary control on the microbial utilization of dissolved organic matter in the ocean. Limnology and Oceanography, 2020, 65, 1061-1071.	3.1	67
7	Importance of refractory ligands and their photodegradation for iron oceanic inventories and cycling. Marine and Freshwater Research, 2020, 71, 311.	1.3	25
8	The Transpolar Drift as a Source of Riverine and Shelfâ€Derived Trace Elements to the Central Arctic Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015920.	2.6	80
9	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. Earth System Science Data, 2020, 12, 151-176.	9.9	32
10	Amino acids and amino sugars as molecular indicators of the origins and alterations of organic matter in buried tephra layers. Geoderma, 2020, 373, 114449.	5.1	5
11	Mixing it up in the ocean carbon cycle and the removal of refractory dissolved organic carbon. Scientific Reports, 2018, 8, 2542.	3.3	81
12	Panâ€Arctic Distribution of Bioavailable Dissolved Organic Matter and Linkages With Productivity in Ocean Margins. Geophysical Research Letters, 2018, 45, 1490-1498.	4.0	10
13	Unveiling the enigma of refractory carbon in the ocean. National Science Review, 2018, 5, 459-463.	9.5	80
14	Biochemical and structural controls on the decomposition dynamics of boreal upland forest moss tissues. Biogeosciences, 2018, 15, 6731-6746.	3.3	15
15	An implementation strategy to quantify the marine microbial carbon pump and its sensitivity to global change. National Science Review, 2018, 5, 474-480.	9.5	22
16	A recent project shows that the microbial carbon pump is a primary mechanism driving ocean carbon uptake. National Science Review, 2018, 5, 458-458.	9.5	4
17	Evolving paradigms in biological carbon cycling in the ocean. National Science Review, 2018, 5, 481-499.	9.5	100
18	Radiocarbon in dissolved organic and inorganic carbon of the Arctic Ocean. Geophysical Research Letters, 2017, 44, 2369-2376.	4.0	16

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19	The fate of terrigenous dissolved organic carbon on the <scp>E</scp>urasian shelves and export to the <scp>N</scp>orth <scp>A</scp>tlantic. Journal of Geophysical Research: Oceans, 2017, 122, 4-22.	2.6	62
20	Bioavailable dissolved organic matter and biological hot spots during austral winter in <scp>A</scp>ntarctic waters. Journal of Geophysical Research: Oceans, 2017, 122, 508-520.	2.6	20
21	Climate Warming Can Accelerate Carbon Fluxes without Changing Soil Carbon Stocks. Frontiers in Earth Science, 2017, 5, .	1.8	38
22	Strong linkages between surface and deep-water dissolved organic matter in the East/Japan Sea. Biogeosciences, 2017, 14, 2561-2570.	3.3	20
23	Predicting Dissolved Lignin Phenol Concentrations in the Coastal Ocean from Chromophoric Dissolved Organic Matter (CDOM) Absorption Coefficients. Frontiers in Marine Science, 2016, 3, .	2.5	50
24	Sources and Transformations of Dissolved Lignin Phenols and Chromophoric Dissolved Organic Matter in Otsuchi Bay, Japan. Frontiers in Marine Science, 2016, 3, .	2.5	28
25	Sources, Distributions, and Dynamics of Dissolved Organic Matter in the Canada and Makarov Basins. Frontiers in Marine Science, 2016, 3, .	2.5	29
26	Biological hot spots and the accumulation of marine dissolved organic matter in a highly productive ocean margin. Limnology and Oceanography, 2016, 61, 1287-1300.	3.1	40
27	Mass balance estimates of carbon export in different water masses of the Chukchi Sea shelf. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 130, 88-99.	1.4	7
28	The removal kinetics of dissolved organic matter and the optical clarity of groundwater. Hydrogeology Journal, 2016, 24, 1413-1422.	2.1	10
29	Soil organic nitrogen cycling increases with temperature and precipitation along a boreal forest latitudinal transect. Biogeochemistry, 2016, 127, 397-410.	3.5	37
30	Temperature, oxygen, and vegetation controls on decomposition in a James Bay peatland. Global Biogeochemical Cycles, 2015, 29, 729-743.	4.9	18
31	Linkages among fluorescent dissolved organic matter, dissolved amino acids and lignin-derived phenols in a river-influenced ocean margin. Frontiers in Marine Science, 2015, 2, .	2.5	63
32	Origins and bioavailability of dissolved organic matter in groundwater. Biogeochemistry, 2015, 122, 61-78.	3.5	176
33	The Size-Reactivity Continuum of Major Bioelements in the Ocean. Annual Review of Marine Science, 2015, 7, 185-205.	11.6	284
34	Effect of P-limitation on prokaryotic and viral production in surface waters of the Northwestern Mediterranean Sea. Journal of Plankton Research, 2015, 37, 16-20.	1.8	13
35	Marine sequestration of carbon in bacterial metabolites. Nature Communications, 2015, 6, 6711.	12.8	223
36	Production and transformation of dissolved neutral sugars and amino acids by bacteria in seawater. Biogeosciences, 2014, 11, 5349-5363.	3.3	11

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37	Does oxygen exposure time control the extent of organic matter decomposition in peatlands?. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 897-909.	3.0	34
38	Sources, distributions, and early diagenesis of sedimentary organic matter in the Pearl River region of the South China Sea. Marine Chemistry, 2014, 158, 39-48.	2.3	69
39	The fate of terrigenous dissolved organic carbon in a riverâ€influenced ocean margin. Global Biogeochemical Cycles, 2014, 28, 300-318.	4.9	147
40	The roles of microorganisms in litter decomposition and soil formation. Biogeochemistry, 2014, 118, 471-486.	3.5	72
41	Biochemical evidence for minimal vegetation change in peatlands of the West Siberian Lowland during the Medieval Climate Anomaly and Little Ice Age. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 808-825.	3.0	12
42	Pulsed, crossâ€shelf export of terrigenous dissolved organic carbon to the Gulf of Mexico. Journal of Geophysical Research: Oceans, 2014, 119, 1176-1194.	2.6	59
43	Variable Î´D values among major biochemicals in plants: Implications for environmental studies. Geochimica Et Cosmochimica Acta, 2013, 111, 117-127.	3.9	16
44	Reactivity of hydroxyproline-rich glycoproteins and their potential as biochemical tracers of plant-derived nitrogen. Organic Geochemistry, 2013, 57, 11-22.	1.8	20
45	Pan-Arctic distributions of continental runoff in the Arctic Ocean. Scientific Reports, 2013, 3, 1053.	3.3	195
46	A molecular perspective on the ageing of marine dissolved organic matter. Biogeosciences, 2012, 9, 1935-1955.	3.3	200
47	The spectral slope coefficient of chromophoric dissolved organic matter (S_{275â€“295}) as a tracer of terrigenous dissolved organic carbon in riverâ€influenced ocean margins. Limnology and Oceanography, 2012, 57, 1453-1466.	3.1	352
48	A simple high performance liquid chromatography method for the measurement of nucleobases and the RNA and DNA content of cellular material. Limnology and Oceanography: Methods, 2012, 10, 608-616.	2.0	19
49	Floodplain influence on dissolved organic matter composition and export from the Mississippiâ€”Atchafalaya River system to the Gulf of Mexico. Limnology and Oceanography, 2012, 57, 1149-1160.	3.1	76
50	Characterization of Lignin by Gas Chromatography and Mass Spectrometry Using a Simplified CuO Oxidation Method. Analytical Chemistry, 2012, 84, 459-464.	6.5	72
51	Predicting carbon cycle feedbacks to climate: Integrating the right tools for the job. Eos, 2012, 93, 188-188.	0.1	9
52	Bioavailability and diagenetic state of dissolved organic matter in riparian groundwater. Journal of Geophysical Research, 2012, 117, .	3.3	37
53	Tracing the transport of colored dissolved organic matter in water masses of the Southern Beaufort Sea: relationship with hydrographic characteristics. Biogeosciences, 2012, 9, 925-940.	3.3	132
54	Carbon fluxes in the Canadian Arctic: patterns and drivers of bacterial abundance, production and respiration on the Beaufort Sea margin. Biogeosciences, 2012, 9, 3679-3692.	3.3	55

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55	Corrigendum to "Photoproduction of ammonium in the southeastern Beaufort Sea and its biogeochemical implications" published in Biogeosciences, 9, 3047â€“3061, 2012. Biogeosciences, 2012, 9, 3475-3475.	3.3	0
56	Organic matter transformations in the upper mesopelagic zone of the North Pacific: Chemical composition and linkages to microbial community structure. Journal of Geophysical Research, 2012, 117, .	3.3	69
57	Dissolved organic matter composition and bioavailability reflect ecosystem productivity in the Western Arctic Ocean. Biogeosciences, 2012, 9, 4993-5005.	3.3	60
58	Photoproduction of ammonium in the southeastern Beaufort Sea and its biogeochemical implications. Biogeosciences, 2012, 9, 3047-3061.	3.3	55
59	Dissolved Oxygen as an Indicator of Bioavailable Dissolved Organic Carbon in Groundwater. Ground Water, 2012, 50, 230-241.	1.3	30
60	Potentially Bioavailable Natural Organic Carbon and Hydrolyzable Amino Acids in Aquifer Sediments. Ground Water Monitoring and Remediation, 2012, 32, 92-95.	0.8	2
61	A novel method to estimate DOC concentrations from CDOM absorption coefficients in coastal waters. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	210
62	Depth distributions of alkaline phosphatase and phosphonate utilization genes in the North Pacific Subtropical Gyre. Aquatic Microbial Ecology, 2011, 62, 61-69.	1.8	61
63	Biosequestration of carbon by heterotrophic microorganisms. Nature Reviews Microbiology, 2011, 9, 75-75.	28.6	44
64	The microbial carbon pump and the oceanic recalcitrant dissolved organic matter pool. Nature Reviews Microbiology, 2011, 9, 555-555.	28.6	73
65	Biological and photochemical transformations of amino acids and lignin phenols in riverine dissolved organic matter. Biogeochemistry, 2011, 102, 209-222.	3.5	179
66	Loose ligands and available iron in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 893-894.	7.1	61
67	Bacterial carbon content and the living and detrital bacterial contributions to suspended particulate organic carbon in the North Pacific Ocean. Aquatic Microbial Ecology, 2011, 62, 165-176.	1.8	44
68	Microbial production of recalcitrant dissolved organic matter: long-term carbon storage in the global ocean. Nature Reviews Microbiology, 2010, 8, 593-599.	28.6	1,278
69	Organic matter diagenesis and bacterial contributions to detrital carbon and nitrogen in the Amazon River system. Limnology and Oceanography, 2009, 54, 681-691.	3.1	52
70	Biochemical Indicators for the Bioavailability of Organic Carbon in Ground Water. Ground Water, 2009, 47, 108-121.	1.3	37
71	Biochemical composition and size distribution of organic matter at the Pacific and Atlantic time-series stations. Marine Chemistry, 2009, 113, 63-77.	2.3	239
72	Amino acid and amino sugar yields and compositions as indicators of dissolved organic matter diagenesis. Organic Geochemistry, 2009, 40, 343-352.	1.8	171

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73	Subcellular localization of marine bacterial alkaline phosphatases. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21219-21223.	7.1	229
74	Dispersion and cycling of organic matter from the Sepik River outflow to the Papua New Guinea coast as determined from biomarkers. Organic Geochemistry, 2008, 39, 1747-1764.	1.8	21
75	Marine biopolymer self-assembly: implications for carbon cycling in the ocean. Faraday Discussions, 2008, 139, 393.	3.2	47
76	Major bacterial contribution to the ocean reservoir of detrital organic carbon and nitrogen. Limnology and Oceanography, 2008, 53, 99-112.	3.1	198
77	Quantitative estimates of labile and semiâ€labile dissolved organic carbon in the western Arctic Ocean: A molecular approach. Limnology and Oceanography, 2007, 52, 2434-2444.	3.1	107
78	Amino acid nitrogen isotopic fractionation patterns as indicators of heterotrophy in plankton, particulate, and dissolved organic matter. Geochimica Et Cosmochimica Acta, 2007, 71, 4727-4744.	3.9	202
79	Microbial contributions to N-immobilization and organic matter preservation in decaying plant detritus. Geochimica Et Cosmochimica Acta, 2006, 70, 133-146.	3.9	126
80	Characterization of a major refractory component of marine dissolved organic matter. Geochimica Et Cosmochimica Acta, 2006, 70, 2990-3010.	3.9	731
81	Chemical characteristics of dissolved organic nitrogen in an oligotrophic subtropical coastal ecosystem. Geochimica Et Cosmochimica Acta, 2006, 70, 4491-4506.	3.9	99
82	Nature and dynamics of phosphorus-containing components of marine dissolved and particulate organic matter. Geochimica Et Cosmochimica Acta, 2006, 70, 5868-5882.	3.9	66
83	Terrigenous organic matter sources and reactivity in the North Atlantic Ocean and a comparison to the Arctic and Pacific oceans. Marine Chemistry, 2006, 100, 66-79.	2.3	109
84	Bacterial release of dissolved organic matter during cell growth and decline: Molecular origin and composition. Limnology and Oceanography, 2006, 51, 2170-2180.	3.1	198
85	Hydrolysisâ€induced racemization of amino acids. Limnology and Oceanography: Methods, 2005, 3, 318-325.	2.0	160
86	Cycling of dissolved and particulate organic matter at station Aloha: Insights from 13C NMR spectroscopy coupled with elemental, isotopic and molecular analyses. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 1429-1444.	1.4	51
87	Seasonal trends in the abundance, composition and bioavailability of particulate and dissolved organic matter in the Chukchi/Beaufort Seas and western Canada Basin. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 3396-3410.	1.4	102
88	Terrigenous dissolved organic matter in the Arctic Ocean and its transport to surface and deep waters of the North Atlantic. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	4.9	169
89	Arctic system on trajectory to new, seasonally ice-free state. Eos, 2005, 86, 309.	0.1	124
90	Linkages among runoff, dissolved organic carbon, and the stable oxygen isotope composition of seawater and other water mass indicators in the Arctic Ocean. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	122

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91	Photochemical transformations of riverine dissolved organic matter: effects on estuarine bacterial metabolism and nutrient demand. Aquatic Microbial Ecology, 2005, 40, 37-50.	1.8	51
92	Amino acid carbon isotopic fractionation patterns in oceanic dissolved organic matter: an unaltered photoautotrophic source for dissolved organic nitrogen in the ocean?. Marine Chemistry, 2004, 92, 123-134.	2.3	81
93	What happens to terrestrial organic matter in the ocean?. Marine Chemistry, 2004, 92, 307-310.	2.3	65
94	Hydrogen-deficient molecules in natural riverine water samplesâ€"evidence for the existence of black carbon in DOM. Marine Chemistry, 2004, 92, 225-234.	2.3	163
95	Transformation of dissolved and particulate materials on continental shelves influenced by large rivers: plume processes. Continental Shelf Research, 2004, 24, 833-858.	1.8	435
96	Organic biomarkers for tracing carbon cycling in the Gulf of Papua (Papua New Guinea). Continental Shelf Research, 2004, 24, 2373-2394.	1.8	21
97	Export of young terrigenous dissolved organic carbon from rivers to the Arctic Ocean. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	177
98	Competition between biological and photochemical processes in the mineralization of dissolved organic carbon. Limnology and Oceanography, 2004, 49, 117-124.	3.1	269
99	Photochemical and microbial degradation of dissolved lignin phenols: Implications for the fate of terrigenous dissolved organic matter in marine environments. Journal of Geophysical Research, 2003, 108, .	3.3	289
100	Hydroxy fatty acids in marine dissolved organic matter as indicators of bacterial membrane material. Organic Geochemistry, 2003, 34, 857-868.	1.8	99
101	Combined neutral sugars as indicators of the diagenetic state of dissolved organic matter in the Arctic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2003, 50, 151-169.	1.4	116
102	Molecular Indicators of the Bioavailability of Dissolved Organic Matter. , 2003, , 121-137.		96
103	Abundance of amino sugars and peptidoglycan in marine particulate and dissolved organic matter. Limnology and Oceanography, 2003, 48, 118-128.	3.1	190
104	P limitation of respiration in the Sargasso Sea and uncoupling of bacteria from P regeneration in size-fractionation experiments. Aquatic Microbial Ecology, 2003, 32, 229-237.	1.8	70
105	Chemical Composition and Reactivity. , 2002, , 59-90.		320
106	Transport and diagenesis of dissolved and particulate terrigenous organic matter in the North Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 2119-2132.	1.4	125
107	Molecular indicators of the sources and transformations of dissolved organic matter in the Mississippi river plume. Organic Geochemistry, 2001, 32, 597-611.	1.8	272
108	Tannin diagenesis in mangrove leaves from a tropical estuary: a novel molecular approach. Geochimica Et Cosmochimica Acta, 2001, 65, 3109-3122.	3.9	177

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109	Linkages among the bioreactivity, chemical composition, and diagenetic state of marine dissolved organic matter. Limnology and Oceanography, 2001, 46, 287-297.	3.1	355
110	Characterization and Origin of Dissolved Organic Carbon in Yegua Ground Water in Brazos County, Texas. Ground Water, 2001, 39, 760-767.	1.3	32
111	Composition and cycling of marine organic phosphorus. Limnology and Oceanography, 2001, 46, 309-320.	3.1	298
112	Production of Refractory Dissolved Organic Matter by Bacteria. Science, 2001, 292, 917-920.	12.6	599
113	Effects of solar radiation on dissolved organic matter cycling in a subtropical seagrass meadow. Limnology and Oceanography, 2000, 45, 257-266.	3.1	46
114	Microbial Metabolism and Nutrient Cycling in the Mississippi and Atchafalaya River Plumes. Estuarine, Coastal and Shelf Science, 2000, 50, 173-184.	2.1	92
115	Determination of Amino Sugars in Environmental Samples with High Salt Content by High-Performance Anion-Exchange Chromatography and Pulsed Amperometric Detection. Analytical Chemistry, 2000, 72, 2566-2572.	6.5	93
116	Isolation and Quantification of Dissolved Lignin from Natural Waters Using Solid-Phase Extraction and GC/MS. Analytical Chemistry, 2000, 72, 2780-2787.	6.5	145
117	Major flux of terrigenous dissolved organic matter through the Arctic Ocean. Limnology and Oceanography, 1999, 44, 2017-2023.	3.1	282
118	Characterization of carbohydrates during early diagenesis of five vascular plant tissues. Organic Geochemistry, 1999, 30, 83-94.	1.8	92
119	High-resolution measurements of dissolved organic carbon in the Arctic Ocean byin situfiber-optic spectrometry. Geophysical Research Letters, 1999, 26, 1007-1010.	4.0	63
120	Bacterial utilization of dissolved glucose in the upper water column of the Gulf of Mexico. Limnology and Oceanography, 1999, 44, 1625-1633.	3.1	84
121	Marine organic phosphorus cycling; novel insights from nuclear magnetic resonance. Numerische Mathematik, 1999, 299, 724-737.	1.4	118
122	Dissolved organic carbon cycling in a subtropical seagrass-dominated lagoon. Marine Ecology - Progress Series, 1999, 180, 149-160.	1.9	120
123	Nutrient cycling in the water column of a subtropical seagrass meadow. Marine Ecology - Progress Series, 1999, 188, 51-62.	1.9	53
124	Seasonal Patterns of Bacterial Abundance and Production in the Mississippi River Plume and Their Importance for the Fate of Enhanced Primary Production. Microbial Ecology, 1998, 35, 289-300.	2.8	57
125	Carbohydrates in phytoplankton and freshly produced dissolved organic matter. Marine Chemistry, 1998, 63, 131-144.	2.3	280
126	Marine phosphorus is selectively remineralized. Nature, 1998, 393, 426-426.	27.8	306

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127	Major Bacterial Contribution to Marine Dissolved Organic Nitrogen. , 1998, 281, 231-234.		325
128	Photochemical reactivity of dissolved lignin in river and ocean waters. Limnology and Oceanography, 1998, 43, 1297-1304.	3.1	288
129	Photochemical transformations of surface and deep marine dissolved organic matter: Effects on bacterial growth. Limnology and Oceanography, 1998, 43, 1373-1378.	3.1	232
130	Ecosystem metabolism in a subtropical, seagrass-dominated lagoon. Marine Ecology - Progress Series, 1998, 173, 1-12.	1.9	66
131	Carbon, nitrogen, and carbohydrate fluxes during the production of particulate and dissolved organic matter by marine phytoplankton. Limnology and Oceanography, 1997, 42, 506-518.	3.1	421
132	Planktonic grazers are a potentially important source of marine dissolved organic carbon. Limnology and Oceanography, 1997, 42, 1364-1374.	3.1	274
133	Aldoses in various size fractions of marine organic matter: Implications for carbon cycling. Limnology and Oceanography, 1997, 42, 1803-1813.	3.1	238
134	Major contribution from mesopelagic plankton to heterotrophic metabolism in the upper ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 1997, 44, 2069-2085.	1.4	42
135	What happens to terrestrial organic matter in the ocean?. Organic Geochemistry, 1997, 27, 195-212.	1.8	1,294
136	Abundance, size distribution, and stable carbon and nitrogen isotopic compositions of marine organic matter isolated by tangential-flow ultrafiltration. Marine Chemistry, 1997, 57, 243-263.	2.3	304
137	Chemical composition of dissolved organic nitrogen in the ocean. Nature, 1997, 390, 150-154.	27.8	271
138	Distribution and cycling of terrigenous dissolved organic matter in the ocean. Nature, 1997, 386, 480-482.	27.8	468
139	Photochemical and microbial consumption of dissolved organic carbon and dissolved oxygen in the Amazon River system. Geochimica Et Cosmochimica Acta, 1996, 60, 1783-1792.	3.9	332
140	Bacterial utilization of different size classes of dissolved organic matter. Limnology and Oceanography, 1996, 41, 41-51.	3.1	860
141	Major biochemical composition of dissolved high molecular weight organic matter in seawater. Marine Chemistry, 1996, 55, 281-297.	2.3	225
142	Active cycling of organic carbon in the central Arctic Ocean. Nature, 1996, 380, 697-699.	27.8	232
143	Effects of high-molecular-weight dissolved organic matter on nitrogen dynamics in the Mississippi River plume. Marine Ecology - Progress Series, 1996, 133, 287-297.	1.9	44
144	Bacterial carbon metabolism in the Amazon River system. Limnology and Oceanography, 1995, 40, 1262-1270.	3.1	135

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145	Analyses of dissolved organic carbon in seawater: the JGOFS EqPac methods comparison. Marine Chemistry, 1995, 48, 91-108.	2.3	157
146	The 18O:16O of dissolved oxygen in rivers and lakes in the Amazon Basin: Determining the ratio of respiration to photosynthesis rates in freshwaters. Limnology and Oceanography, 1995, 40, 718-729.	3.1	111
147	Early diagenesis of vascular plant tissues: Lignin and cutin decomposition and biogeochemical implications. Geochimica Et Cosmochimica Acta, 1995, 59, 4889-4904.	3.9	354
148	Plankton respiration and carbon flux through bacterioplankton on the Louisiana shelf. Limnology and Oceanography, 1994, 39, 1259-1275.	3.1	152
149	Comparative analyses of DOC and DON in natural water. Marine Chemistry, 1994, 46, 407-408.	2.3	0
150	Rapid cycling of high-molecular-weight dissolved organic matter in the ocean. Nature, 1994, 369, 549-552.	27.8	450
151	Mineralization of Organic Material and Bacterial Dynamics in Mississippi River Plume Water. Estuaries and Coasts, 1994, 17, 816.	1.7	38
152	Abundance and distribution of carbohydrates in the ocean. Limnology and Oceanography, 1994, 39, 930-940.	3.1	247
153	Origins and processing of organic matter in the Amazon River as indicated by carbohydrates and amino acids. Limnology and Oceanography, 1994, 39, 743-761.	3.1	386
154	Denitrification, nutrient regeneration and carbon mineralization in sediments of Galveston Bay, Texas, USA. Marine Ecology - Progress Series, 1994, 114, 275-288.	1.9	65
155	Measurement of dissolved organic carbon and nitrogen in natural waters: Workshop report. Marine Chemistry, 1993, 41, 5-10.	2.3	57
156	DOC subgroup report. Marine Chemistry, 1993, 41, 11-21.	2.3	23
157	Comparative analyses of DOC and DON in natural waters. Marine Chemistry, 1993, 41, 121-134.	2.3	86
158	A critical evaluation of the analytical blank associated with DOC measurements by high-temperature catalytic oxidation. Marine Chemistry, 1993, 41, 153-160.	2.3	375
159	A test of the accuracy of freshwater DOC measurements by high-temperature catalytic oxidation and UV-promoted persulfate oxidation. Marine Chemistry, 1993, 41, 161-165.	2.3	99
160	Variability of Dissolved Organic Carbon in Sediments of a Seagrass Bed and an Unvegetated Area within an Estuary in Southern Texas. Estuaries and Coasts, 1993, 16, 391.	1.7	19
161	The chemical composition of dissolved organic matter in seawater. Chemical Geology, 1993, 107, 503-507.	3.3	68
162	Reâ€evaluation of high temperature combustion and chemical oxidation measurements of dissolved organic carbon in seawater. Limnology and Oceanography, 1993, 38, 1774-1782.	3.1	137

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163	Decomposition of senescent blades of the seagrass Halodule wrightii in a subtropical lagoon. Marine Ecology - Progress Series, 1993, 94, 191-205.	1.9	77
164	Bulk Chemical Characteristics of Dissolved Organic Matter in the Ocean. Science, 1992, 255, 1561-1564.	12.6	820
165	An improved method for the hydrolysis and MBTH analysis of dissolved and particulate carbohydrates in seawater. Marine Chemistry, 1992, 40, 143-160.	2.3	150
166	Enhanced bacterioplankton production and respiration at intermediate salinities in the Mississippi River plume. Marine Ecology - Progress Series, 1992, 87, 87-103.	1.9	131
167	Denitrification and oxygen consumption in sediments of two south Texas estuaries. Marine Ecology - Progress Series, 1992, 90, 157-167.	1.9	56
168	Diagenesis of belowground biomass of Spartina alterniflora in saltâ€marsh sediments. Limnology and Oceanography, 1991, 36, 1358-1374.	3.1	206
169	Dynamics of bacterioplankton abundance and production in seagrass communities of a hypersaline lagoon. Marine Ecology - Progress Series, 1991, 73, 219-230.	1.9	33
170	Early diagenesis of mangrove leaves in a tropical estuary: Molecular-level analyses of neutral sugars and lignin-derived phenols. Geochimica Et Cosmochimica Acta, 1990, 54, 1991-2001.	3.9	142
171	Early diagenesis of mangrove leaves in a tropical estuary: Bulk chemical characterization using solid-state 13C NMR and elemental analyses. Geochimica Et Cosmochimica Acta, 1990, 54, 2003-2013.	3.9	128
172	Effects of Acid Stress on Aerobic Decomposition of Algal and Aquatic Macrophyte Detritus: Direct Comparison in a Radiocarbon Assay. Applied and Environmental Microbiology, 1990, 56, 237-244.	3.1	12
173	Kinetics of microbial degradation of vascular plant material in two wetland ecosystems. Oecologia, 1989, 79, 158-167.	2.0	38
174	Effects of temperature on microbial utilization of lignocellulosic detritus in a thermally impacted stream. Microbial Ecology, 1988, 16, 323-330.	2.8	4
175	Carbon Flow From Lignocellulose: A Simulation Analysis of a Detritus-Based Ecosystem. Ecology, 1988, 69, 1525-1536.	3.2	32
176	Carbon conversion efficiency for bacterial growth on lignocellulose: Implications for detritusâ€based food webs. Limnology and Oceanography, 1988, 33, 1514-1526.	3.1	24
177	Degradation of polysaccharides and lignin by ruminal bacteria and fungi. Applied and Environmental Microbiology, 1988, 54, 1117-1125.	3.1	120
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