

Thorsten Dittmar

List of Publications by Year in descending order

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Version: 2024-02-01

229
papers

27,417
citations

9264

74
h-index

6471

157
g-index

243
all docs

243
docs citations

243
times ranked

18494
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolution of stream dissolved organic matter composition following glacier retreat in coastal watersheds of southeast Alaska. <i>Biogeochemistry</i> , 2023, 164, 99-116.	3.5	12
2	Niche partitioning by photosynthetic plankton as a driver of CO ₂ -fixation across the oligotrophic South Pacific Subtropical Ocean. <i>ISME Journal</i> , 2022, 16, 465-476.	9.8	10
3	Mangrove microbiome reveals importance of sulfur metabolism in tropical coastal waters. <i>Science of the Total Environment</i> , 2022, 813, 151889.	8.0	12
4	Controls on turnover of marine dissolved organic matter—testing the null hypothesis of purely concentration-driven uptake: Comment on Shen and Benner, “Molecular properties are a primary control on the microbial utilization of dissolved organic matter in the ocean”. <i>Limnology and Oceanography</i> , 2022, 67, 673-679.	3.1	8
5	Adaptations of microbial communities and dissolved organics to seasonal pressures in a mesotrophic coastal Mediterranean lake. <i>Environmental Microbiology</i> , 2022, 24, 2282-2298.	3.8	9
6	Marine Dissolved Organic Matter Shares Thousands of Molecular Formulae Yet Differs Structurally across Major Water Masses. <i>Environmental Science & Technology</i> , 2022, 56, 3758-3769.	10.0	28
7	Interplay between microbial community composition and chemodiversity of dissolved organic matter throughout the Black Sea water column redox gradient. <i>Limnology and Oceanography</i> , 2022, 67, 329-347.	3.1	8
8	The detection of bacterial exometabolites in marine dissolved organic matter through ultrahigh-resolution mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2022, 20, 350-360.	2.0	5
9	Natural Asphalt Seeps Are Potential Sources for Recalcitrant Oceanic Dissolved Organic Sulfur and Dissolved Black Carbon. <i>Environmental Science & Technology</i> , 2022, 56, 9092-9102.	10.0	13
10	Organic Molecular Signatures of the Congo River and Comparison to the Amazon. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	14
11	The black carbon cycle and its role in the Earth system. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 516-532.	29.7	52
12	Nocturnal dissolved organic matter release by turf algae and its role in the microbialization of reefs. <i>Functional Ecology</i> , 2022, 36, 2104-2118.	3.6	4
13	Plant diversity enhances production and downward transport of biodegradable dissolved organic matter. <i>Journal of Ecology</i> , 2021, 109, 1284-1297.	4.0	17
14	Imprint of Kairei and Pelagia deep-sea hydrothermal systems (Indian Ocean) on marine dissolved organic matter. <i>Organic Geochemistry</i> , 2021, 152, 104141.	1.8	7
15	Molecular Traits of Dissolved Organic Matter in the Subterranean Estuary of a High-Energy Beach: Indications of Sources and Sinks. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
16	Biogeochemical cycling of molybdenum and thallium during a phytoplankton summer bloom: A mesocosm study. <i>Marine Chemistry</i> , 2021, 229, 103910.	2.3	12
17	Accumulation of DOC in the South Pacific Subtropical Gyre from a molecular perspective. <i>Marine Chemistry</i> , 2021, 231, 103955.	2.3	18
18	Exploring the Suitability of Ecosystem Metabolomes to Assess Imprints of Brownification and Nutrient Enrichment on Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005903.	3.0	5

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19	Drivers of Organic Molecular Signatures in the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006938.	4.9	12
20	Enigmatic persistence of dissolved organic matter in the ocean. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 570-583.	29.7	84
21	Sulfurization of dissolved organic matter in the anoxic water column of the Black Sea. <i>Science Advances</i> , 2021, 7, .	10.3	34
22	Questions remain about the biolability of dissolved black carbon along the combustion continuum. <i>Nature Communications</i> , 2021, 12, 4281.	12.8	28
23	Dissolved Organic Matter Processing in Pristine Antarctic Streams. <i>Environmental Science & Technology</i> , 2021, 55, 10175-10185.	10.0	16
24	Carbon and alkalinity outwelling across the <sc>groundwaterâ€creekâ€shelf</sc> continuum off Amazonian mangroves. <i>Limnology and Oceanography Letters</i> , 2021, 6, 369-378.	3.9	26
25	Marine dissolved organic matter: a vast and unexplored molecular space. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7225-7239.	3.6	18
26	Dissolved organic compounds with synchronous dynamics share chemical properties and origin. <i>Limnology and Oceanography</i> , 2021, 66, 4001-4016.	3.1	5
27	When Forests Take Over After Land Abandonment: Dissolved Organic Matter Response in Headwater Mountain Streams. <i>Frontiers in Water</i> , 2021, 3, .	2.3	1
28	Biogeochemical thallium cycling during a mesocosm phytoplankton spring bloom: Biotic versus abiotic drivers. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 313, 257-276.	3.9	5
29	Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. <i>Limnology and Oceanography</i> , 2021, 66, 438-451.	3.1	16
30	The carbon and nitrogen budget of <i>Desmophyllum dianthus</i>â€”a voracious cold-water coral thriving in an acidified Patagonian fjord. <i>PeerJ</i> , 2021, 9, e12609.	2.0	6
31	Controls of Land Use and the River Continuum Concept on Dissolved Organic Matter Composition in an Anthropogenically Disturbed Subtropical Watershed. <i>Environmental Science & Technology</i> , 2020, 54, 195-206.	10.0	54
32	Impact of UV radiation on DOM transformation on molecular level using FT-ICR-MS and PARAFAC. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118027.	3.9	26
33	Improved Mass Accuracy and Isotope Confirmation through Alignment of Ultrahigh-Resolution Mass Spectra of Complex Natural Mixtures. <i>Analytical Chemistry</i> , 2020, 92, 2558-2565.	6.5	33
34	Microbial Physiology Governs the Oceanic Distribution of Dissolved Organic Carbon in a Scenario of Equal Degradability. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	9
35	Rapid microbial diversification of dissolved organic matter in oceanic surface waters leads to carbon sequestration. <i>Scientific Reports</i> , 2020, 10, 13025.	3.3	32
36	Fourier transform ion cyclotron resonance mass spectrometric analysis of NSO-compounds generated in hydrothermally altered sediments from the Escanaba Trough, northeastern Pacific Ocean. <i>Organic Geochemistry</i> , 2020, 149, 104085.	1.8	8

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37	Travel Time and Source Variation Explain the Molecular Transformation of Dissolved Organic Matter in an Alpine Stream Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005616.	3.0	7
38	Antioxidant Activity and Phenolic Content of Marine Dissolved Organic Matter and Their Relation to Molecular Composition. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
39	Analytical and Computational Advances, Opportunities, and Challenges in Marine Organic Biogeochemistry in an Era of "Omics". <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	24
40	Editorial: Current Topics in Marine Organic Biogeochemical Research. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	0
41	An international laboratory comparison of dissolved organic matter composition by high resolution mass spectrometry: Are we getting the same answer?. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 235-258.	2.0	109
42	Fires prime terrestrial organic carbon for riverine export to the global oceans. <i>Nature Communications</i> , 2020, 11, 2791.	12.8	71
43	Molecular Composition of Dissolved Organic Matter in Sediment Porewater of the Arctic Deep-Sea Observatory HAUSGARTEN (Fram Strait). <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
44	Genomic, metabolic and phenotypic variability shapes ecological differentiation and intraspecies interactions of <i>Alteromonas macleodii</i> . <i>Scientific Reports</i> , 2020, 10, 809.	3.3	48
45	ICBM-OCEAN: Processing Ultrahigh-Resolution Mass Spectrometry Data of Complex Molecular Mixtures. <i>Analytical Chemistry</i> , 2020, 92, 6832-6838.	6.5	74
46	Biphasic cellular adaptations and ecological implications of <i>Alteromonas macleodii</i> degrading a mixture of algal polysaccharides. <i>ISME Journal</i> , 2019, 13, 92-103.	9.8	74
47	Persistence of dissolved organic matter explained by molecular changes during its passage through soil. <i>Nature Geoscience</i> , 2019, 12, 755-761.	12.9	230
48	Biogeochemical Impacts of a Black Carbon Wet Deposition Event in Halong Bay, Vietnam. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	11
49	Ammonia-oxidizing archaea release a suite of organic compounds potentially fueling prokaryotic heterotrophy in the ocean. <i>Environmental Microbiology</i> , 2019, 21, 4062-4075.	3.8	71
50	Climate warming alters subsoil but not topsoil carbon dynamics in alpine grassland. <i>Global Change Biology</i> , 2019, 25, 4383-4393.	9.5	94
51	Biodegradability of hydrothermally altered deep-sea dissolved organic matter. <i>Marine Chemistry</i> , 2019, 217, 103706.	2.3	6
52	Non-conservative Behavior of Dissolved Organic Matter and Trace Metals (Mn, Fe, Ba) Driven by Porewater Exchange in a Subtropical Mangrove-Estuary. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	22
53	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
54	Riverine mixing at the molecular scale – An ultrahigh-resolution mass spectrometry study on dissolved organic matter and selected metals in the Amazon confluence zone (Manaus, Brazil). <i>Organic Geochemistry</i> , 2019, 129, 45-62.	1.8	18

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55	Inorganic and organic iron and copper species of the subterranean estuary: Origins and fate. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 211-232.	3.9	19
56	Environmental Controls on the Riverine Export of Dissolved Black Carbon. <i>Global Biogeochemical Cycles</i> , 2019, 33, 849-874.	4.9	16
57	Dissolved Organic Matter Cycling in the Coastal Upwelling System Off Central Peru During an El Niño Year. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	8
58	Molecular Hysteresis: Hydrologically Driven Changes in Riverine Dissolved Organic Matter Chemistry During a Storm Event. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 759-774.	3.0	55
59	Does the Chemodiversity of Bacterial Exometabolomes Sustain the Chemodiversity of Marine Dissolved Organic Matter?. <i>Frontiers in Microbiology</i> , 2019, 10, 215.	3.5	50
60	Different Responses of Dissolved Black Carbon and Dissolved Lignin to Seasonal Hydrological Changes and an Extreme Rain Event. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 479-493.	3.0	38
61	Spatial and Temporal Patterns of Pore Water Chemistry in the Inter-Tidal Zone of a High Energy Beach. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	41
62	Chemical and microbial diversity covary in fresh water to influence ecosystem functioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24689-24695.	7.1	98
63	Long-term stability of marine dissolved organic carbon emerges from a neutral network of compounds and microbes. <i>Scientific Reports</i> , 2019, 9, 17780.	3.3	41
64	High pore-water derived CO ₂ and CH ₄ emissions from a macro-tidal mangrove creek in the Amazon region. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 247, 106-120.	3.9	45
65	Nitrogen Cycling of Active Bacteria within Oligotrophic Sediment of the Mid-Atlantic Ridge Flank. <i>Geomicrobiology Journal</i> , 2018, 35, 468-483.	2.0	50
66	Microbial decomposition of marine dissolved organic matter in cool oceanic crust. <i>Nature Geoscience</i> , 2018, 11, 334-339.	12.9	71
67	Climate-driven shifts in sediment chemistry enhance methane production in northern lakes. <i>Nature Communications</i> , 2018, 9, 1801.	12.8	39
68	Aphotic N ₂ fixation along an oligotrophic to ultraoligotrophic transect in the western tropical South Pacific Ocean. <i>Biogeosciences</i> , 2018, 15, 3107-3119.	3.3	15
69	Molecular Signals of Heterogeneous Terrestrial Environments Identified in Dissolved Organic Matter: A Comparative Analysis of Orbitrap and Ion Cyclotron Resonance Mass Spectrometers. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	32
70	Fossil Fuel Combustion Emission From South Asia Influences Precipitation Dissolved Organic Carbon Reaching the Remote Tibetan Plateau: Isotopic and Molecular Evidence. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6248-6258.	3.3	34
71	Land Use Controls on the Spatial Variability of Dissolved Black Carbon in a Subtropical Watershed. <i>Environmental Science & Technology</i> , 2018, 52, 8104-8114.	10.0	39
72	Molecular composition and origin of water-soluble organic matter in marine aerosols in the Pacific off China. <i>Atmospheric Environment</i> , 2018, 191, 27-35.	4.1	38

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73	Universal molecular structures in natural dissolved organic matter. <i>Nature Communications</i> , 2018, 9, 3178.	12.8	213
74	Diversity of bacterial communities and dissolved organic matter in a temperate estuary. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	42
75	The drivers of biogeochemistry in beach ecosystems: A cross-shore transect from the dunes to the low-water line. <i>Marine Chemistry</i> , 2017, 190, 35-50.	2.3	90
76	Spatial Dependence of Reduced Sulfur in Everglades Dissolved Organic Matter Controlled by Sulfate Enrichment. <i>Environmental Science & Technology</i> , 2017, 51, 3630-3639.	10.0	78
77	Differential responses of marine, mesohaline and oligohaline bacterial communities to the addition of terrigenous carbon. <i>Environmental Microbiology</i> , 2017, 19, 3098-3117.	3.8	17
78	Linking optical and molecular signatures of dissolved organic matter in the Mediterranean Sea. <i>Scientific Reports</i> , 2017, 7, 3436.	3.3	41
79	Thermally altered marine dissolved organic matter in hydrothermal fluids. <i>Organic Geochemistry</i> , 2017, 110, 73-86.	1.8	57
80	Comment on "Dissolved organic sulfur in the ocean: Biogeochemistry of a petagram inventory". <i>Science</i> , 2017, 356, 813-813.	12.6	7
81	Export of terrigenous dissolved organic matter in a broad continental shelf. <i>Limnology and Oceanography</i> , 2017, 62, 1718-1731.	3.1	36
82	Molecular properties of deep-sea dissolved organic matter are predictable by the central limit theorem: Evidence from tandem FT-ICR-MS. <i>Marine Chemistry</i> , 2017, 191, 9-15.	2.3	145
83	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 200-211.	3.0	52
84	Molecular Fractionation of Dissolved Organic Matter in a Shallow Subterranean Estuary: The Role of the Iron Curtain. <i>Environmental Science & Technology</i> , 2017, 51, 1312-1320.	10.0	95
85	The Optical, Chemical, and Molecular Dissolved Organic Matter Succession Along a Boreal Soil-Stream-River Continuum. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2892-2908.	3.0	49
86	Molecular signatures of dissolved organic matter in a tropical karst system. <i>Organic Geochemistry</i> , 2017, 113, 141-149.	1.8	13
87	Emergence of the Reactivity Continuum of Organic Matter from Kinetics of a Multitude of Individual Molecular Constituents. <i>Environmental Science & Technology</i> , 2017, 51, 11571-11579.	10.0	51
88	Aerosols as a source of dissolved black carbon to the ocean. <i>Nature Communications</i> , 2017, 8, 510.	12.8	106
89	Photochemical Alteration of Dissolved Organic Sulfur from Sulfidic Porewater. <i>Environmental Science & Technology</i> , 2017, 51, 14144-14154.	10.0	38
90	Molecular composition of dissolved organic matter in the Mediterranean Sea. <i>Limnology and Oceanography</i> , 2017, 62, 2699-2712.	3.1	41

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91	Do Regional Aerosols Contribute to the Riverine Export of Dissolved Black Carbon?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2925-2938.	3.0	21
92	Seasonal dynamics of atmospheric and river inputs of black carbon, and impacts on biogeochemical cycles in Halong Bay, Vietnam. <i>Elementa</i> , 2017, 5, .	3.2	6
93	Dissolved Black Carbon in the Headwaters-to-Ocean Continuum of Para�ba Do Sul River, Brazil. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	38
94	Molecular and Optical Properties of Tree-Derived Dissolved Organic Matter in Throughfall and Stemflow from Live Oaks and Eastern Red Cedar. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	48
95	Composition and Transformation of Dissolved Organic Matter in the Baltic Sea. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	76
96	Molecular Determinants of Dissolved Organic Matter Reactivity in Lake Water. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	58
97	Microbially-Mediated Transformations of Estuarine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	36
98	Influence of Ocean Acidification and Deep Water Upwelling on Oligotrophic Plankton Communities in the Subtropical North Atlantic: Insights from an In situ Mesocosm Study. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	49
99	Functional Molecular Diversity of Marine Dissolved Organic Matter Is Reduced during Degradation. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	64
100	Ocean Acidification Experiments in Large-Scale Mesocosms Reveal Similar Dynamics of Dissolved Organic Matter Production and Biotransformation. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	15
101	Experimental Evidence for Abiotic Sulfurization of Marine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	67
102	Phosphate Limitation Triggers the Dissolution of Precipitated Iron by the Marine Bacterium <i>Pseudovibrio</i> sp. FO-BEG1. <i>Frontiers in Microbiology</i> , 2017, 8, 364.	3.5	19
103	The Exometabolome of Two Model Strains of the <i>Roseobacter</i> Group: A Marketplace of Microbial Metabolites. <i>Frontiers in Microbiology</i> , 2017, 8, 1985.	3.5	96
104	Bottled aqua incognita: microbiota assembly and dissolved organic matter diversity in natural mineral waters. <i>Microbiome</i> , 2017, 5, 126.	11.1	26
105	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	96
106	Environmental Drivers of Dissolved Organic Matter Molecular Composition in the Delaware Estuary. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	65
107	Fe- and Cu-Complex Formation with Artificial Ligands Investigated by Ultra-High Resolution Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry (FT-ICR-MS): Implications for Natural Metal-Organic Complex Studies. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	25
108	Short-Term Dynamics of North Sea Bacterioplankton-Dissolved Organic Matter Coherence on Molecular Level. <i>Frontiers in Microbiology</i> , 2016, 7, 321.	3.5	48

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109	A novel molecular approach for tracing terrigenous dissolved organic matter into the deep ocean. <i>Global Biogeochemical Cycles</i> , 2016, 30, 689-699.	4.9	81
110	Towards a global assessment of pyrogenic carbon from vegetation fires. <i>Global Change Biology</i> , 2016, 22, 76-91.	9.5	256
111	Molecular alteration of marine dissolved organic matter under experimental hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 68-85.	3.9	73
112	Dissolved organic matter in pore water of Arctic Ocean sediments: Environmental influence on molecular composition. <i>Organic Geochemistry</i> , 2016, 97, 41-52.	1.8	56
113	Molecular evidence for abiotic sulfurization of dissolved organic matter in marine shallow hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 190, 35-52.	3.9	60
114	Comparing molecular composition of dissolved organic matter in soil and stream water: Influence of land use and chemical characteristics. <i>Science of the Total Environment</i> , 2016, 571, 142-152.	8.0	79
115	Seasonal and spatial variability of dissolved organic matter composition in the lower Amazon River. <i>Biogeochemistry</i> , 2016, 131, 281-302.	3.5	40
116	Evaluation of the Orbitrap Mass Spectrometer for the Molecular Fingerprinting Analysis of Natural Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2016, 88, 7698-7704.	6.5	135
117	Basin-wide N ₂ fixation in the deep waters of the Mediterranean Sea. <i>Global Biogeochemical Cycles</i> , 2016, 30, 952-961.	4.9	43
118	Acidification and warming affect prominent bacteria in two seasonal phytoplankton bloom mesocosms. <i>Environmental Microbiology</i> , 2016, 18, 4579-4595.	3.8	49
119	Linking molecular size, composition and carbon turnover of extractable soil microbial compounds. <i>Soil Biology and Biochemistry</i> , 2016, 100, 66-73.	8.8	33
120	Deciphering associations between dissolved organic molecules and bacterial communities in a pelagic marine system. <i>ISME Journal</i> , 2016, 10, 1717-1730.	9.8	155
121	Reply to Prince et al.: Ability of chemical dispersants to reduce oil spill impacts remains unclear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1422-E1423.	7.1	25
122	Biodegradation of crude oil and dispersants in deep seawater from the Gulf of Mexico: Insights from ultra-high resolution mass spectrometry. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 108-118.	1.4	42
123	Influence of Ocean Acidification on a Natural Winter-to-Summer Plankton Succession: First Insights from a Long-Term Mesocosm Study Draw Attention to Periods of Low Nutrient Concentrations. <i>PLoS ONE</i> , 2016, 11, e0159068.	2.5	64
124	Conservation of dissolved organic matter molecular composition during mixing of the deep water masses of the northeast Atlantic Ocean. <i>Marine Chemistry</i> , 2015, 177, 288-297.	2.3	51
125	Drought-induced variability in dissolved organic matter composition in a marsh-dominated estuary. <i>Geophysical Research Letters</i> , 2015, 42, 6446-6453.	4.0	24
126	Extraordinary slow degradation of dissolved organic carbon (DOC) in a cold marginal sea. <i>Scientific Reports</i> , 2015, 5, 13808.	3.3	19

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127	Fate of the Amazon River dissolved organic matter in the tropical Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 677-690.	4.9	148
128	Dissolved organic matter composition and photochemical transformations in the northern North Pacific Ocean. <i>Geophysical Research Letters</i> , 2015, 42, 863-870.	4.0	106
129	Associations Between the Molecular and Optical Properties of Dissolved Organic Matter in the Florida Everglades, a Model Coastal Wetland System. <i>Frontiers in Chemistry</i> , 2015, 3, 66.	3.6	74
130	Utilizing colored dissolved organic matter to derive dissolved black carbon export by arctic rivers. <i>Frontiers in Earth Science</i> , 2015, 3, .	1.8	83
131	Substrate Use of <i>Pseudovibrio</i> sp. Growing in Ultra-Oligotrophic Seawater. <i>PLoS ONE</i> , 2015, 10, e0121675.	2.5	17
132	Mesopelagic N ₂ Fixation Related to Organic Matter Composition in the Solomon and Bismarck Seas (Southwest Pacific). <i>PLoS ONE</i> , 2015, 10, e0143775.	2.5	62
133	Uncoupled organic matter burial and quality in boreal lake sediments over the Holocene. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1751-1763.	3.0	21
134	Persistence of dissolved organic matter in lakes related to its molecular characteristics. <i>Nature Geoscience</i> , 2015, 8, 454-457.	12.9	457
135	Interaction between iron and dissolved organic matter in a marine shallow hydrothermal system off Dominica Island (Lesser Antilles). <i>Marine Chemistry</i> , 2015, 177, 677-686.	2.3	26
136	Response to Comment on "Dilution limits dissolved organic carbon utilization in the deep ocean". <i>Science</i> , 2015, 350, 1483-1483.	12.6	11
137	Effects of ocean acidification on marine dissolved organic matter are not detectable over the succession of phytoplankton blooms. <i>Science Advances</i> , 2015, 1, e1500531.	10.3	45
138	Molecular characterization of dissolved black nitrogen via electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Organic Geochemistry</i> , 2015, 79, 21-30.	1.8	42
139	Porewater exchange as a driver of carbon dynamics across a terrestrial-marine transect: Insights from coupled ²²² Rn and pCO ₂ observations in the German Wadden Sea. <i>Marine Chemistry</i> , 2015, 171, 10-20.	2.3	68
140	Illuminating the deep: Molecular signatures of photochemical alteration of dissolved organic matter from North Atlantic Deep Water. <i>Marine Chemistry</i> , 2015, 177, 318-324.	2.3	69
141	Bioavailability and molecular composition of dissolved organic matter from a diffuse hydrothermal system. <i>Marine Chemistry</i> , 2015, 177, 257-266.	2.3	48
142	Inefficient microbial production of refractory dissolved organic matter in the ocean. <i>Nature Communications</i> , 2015, 6, 7422.	12.8	166
143	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. <i>Environmental Science & Technology</i> , 2015, 49, 13798-13806.	10.0	166
144	Molecular-level changes of dissolved organic matter along the Amazon River-to-ocean continuum. <i>Marine Chemistry</i> , 2015, 177, 218-231.	2.3	206

#	ARTICLE	IF	CITATIONS
145	Evaluation of Copper Oxide Oxidation for Quantification of Lignin in Municipal Solid Waste. <i>Environmental Engineering Science</i> , 2015, 32, 486-496.	1.6	6
146	Investigating the potential of solid-phase extraction and Fourier-transform ion cyclotron resonance mass spectrometry (FT-ICR-MS) for the isolation and identification of dissolved metal-organic complexes from natural waters. <i>Marine Chemistry</i> , 2015, 173, 78-92.	2.3	60
147	Carbon, nutrient and trace metal cycling in sandy sediments: A comparison of high-energy beaches and backbarrier tidal flats. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 159, 1-14.	2.1	78
148	The Molecular Composition of Dissolved Organic Matter in Forest Soils as a Function of pH and Temperature. <i>PLoS ONE</i> , 2015, 10, e0119188.	2.5	83
149	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015, 42, 2830-2835.	4.0	261
150	Dilution limits dissolved organic carbon utilization in the deep ocean. <i>Science</i> , 2015, 348, 331-333.	12.6	230
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#	ARTICLE	IF	CITATIONS
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