Thorsten Dittmar

List of Publications by Year
in descending order

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Version: 2024-02-01

229 papers	27,417 citations	9234 74 h-index	6454 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. Biogeochemistry, 2023, 164, 99-116.	1.7	12
2	Niche partitioning by photosynthetic plankton as a driver of CO2-fixation across the oligotrophic South Pacific Subtropical Ocean. ISME Journal, 2022, 16, 465-476.	4.4	10
3	Mangrove microbiome reveals importance of sulfur metabolism in tropical coastal waters. Science of the Total Environment, 2022, 813, 151889.	3.9	12
4	Controls on turnover of marine dissolved organic matterâ€"testing the null hypothesis of purely concentrationâ€driven uptake: Comment on Shen and Benner, â€œMolecular properties are a primary control on the microbial utilization of dissolved organic matter in the oceanâ€• Limnology and Oceanography, 2022, 67, 673-679.	1.6	8
5	Adaptations of microbial communities and dissolved organics to seasonal pressures in a mesotrophic coastal Mediterranean lake. Environmental Microbiology, 2022, 24, 2282-2298.	1.8	9
6	Marine Dissolved Organic Matter Shares Thousands of Molecular Formulae Yet Differs Structurally across Major Water Masses. Environmental Science & Technology, 2022, 56, 3758-3769.	4.6	28
7	Interplay between microbial community composition and chemodiversity of dissolved organic matter throughout the Black Sea water column redox gradient. Limnology and Oceanography, 2022, 67, 329-347.	1.6	8
8	The detection of bacterial exometabolites in marine dissolved organic matter through ultrahighâ€resolution mass spectrometry. Limnology and Oceanography: Methods, 2022, 20, 350-360.	1.0	5
9	Natural Asphalt Seeps Are Potential Sources for Recalcitrant Oceanic Dissolved Organic Sulfur and Dissolved Black Carbon. Environmental Science & Technology, 2022, 56, 9092-9102.	4.6	13
10	Organic Molecular Signatures of the Congo River and Comparison to the Amazon. Global Biogeochemical Cycles, 2022, 36, .	1.9	14
11	The black carbon cycle and its role in the Earth system. Nature Reviews Earth & Environment, 2022, 3, 516-532.	12.2	52
12	Nocturnal dissolved organic matter release by turf algae and its role in the microbialization of reefs. Functional Ecology, 2022, 36, 2104-2118.	1.7	4
13	Plant diversity enhances production and downward transport of biodegradable dissolved organic matter. Journal of Ecology, 2021, 109, 1284-1297.	1.9	17
14	Imprint of Kairei and Pelagia deep-sea hydrothermal systems (Indian Ocean) on marine dissolved organic matter. Organic Geochemistry, 2021, 152, 104141.	0.9	7
15	Molecular Traits of Dissolved Organic Matter in the Subterranean Estuary of a High-Energy Beach: Indications of Sources and Sinks. Frontiers in Marine Science, 2021, 8, .	1.2	15
16	Biogeochemical cycling of molybdenum and thallium during a phytoplankton summer bloom: A mesocosm study. Marine Chemistry, 2021, 229, 103910.	0.9	12
17	Accumulation of DOC in the South Pacific Subtropical Gyre from a molecular perspective. Marine Chemistry, 2021, 231, 103955.	0.9	18
18	Exploring the Suitability of Ecosystem Metabolomes to Assess Imprints of Brownification and Nutrient Enrichment on Lakes. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005903.	1.3	5

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19	Drivers of Organic Molecular Signatures in the Amazon River. Global Biogeochemical Cycles, 2021, 35, e2021GB006938.	1.9	12
20	Enigmatic persistence of dissolved organic matter in the ocean. Nature Reviews Earth & Environment, 2021, 2, 570-583.	12.2	84
21	Sulfurization of dissolved organic matter in the anoxic water column of the Black Sea. Science Advances, 2021, 7, .	4.7	34
22	Questions remain about the biolability of dissolved black carbon along the combustion continuum. Nature Communications, 2021, 12, 4281.	5.8	28
23	Dissolved Organic Matter Processing in Pristine Antarctic Streams. Environmental Science & Technology, 2021, 55, 10175-10185.	4.6	16
24	Carbon and alkalinity outwelling across the <scp>groundwaterâ€creekâ€shelf</scp> continuum off Amazonian mangroves. Limnology and Oceanography Letters, 2021, 6, 369-378.	1.6	26
25	Marine dissolved organic matter: a vast and unexplored molecular space. Applied Microbiology and Biotechnology, 2021, 105, 7225-7239.	1.7	18
26	Dissolved organic compounds with synchronous dynamics share chemical properties and origin. Limnology and Oceanography, 2021, 66, 4001-4016.	1.6	5
27	When Forests Take Over After Land Abandonment: Dissolved Organic Matter Response in Headwater Mountain Streams. Frontiers in Water, 2021, 3, .	1.0	1
28	Biogeochemical thallium cycling during a mesocosm phytoplankton spring bloom: Biotic versus abiotic drivers. Geochimica Et Cosmochimica Acta, 2021, 313, 257-276.	1.6	5
29	Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. Limnology and Oceanography, 2021, 66, 438-451.	1.6	16
30	The carbon and nitrogen budget of Desmophyllum dianthusâ€"a voracious cold-water coral thriving in an acidified Patagonian fjord. PeerJ, 2021, 9, e12609.	0.9	6
31	Controls of Land Use and the River Continuum Concept on Dissolved Organic Matter Composition in an Anthropogenically Disturbed Subtropical Watershed. Environmental Science & Technology, 2020, 54, 195-206.	4.6	54
32	Impact of UV radiation on DOM transformation on molecular level using FT-ICR-MS and PARAFAC. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118027.	2.0	26
33	Improved Mass Accuracy and Isotope Confirmation through Alignment of Ultrahigh-Resolution Mass Spectra of Complex Natural Mixtures. Analytical Chemistry, 2020, 92, 2558-2565.	3.2	33
34	Microbial Physiology Governs the Oceanic Distribution of Dissolved Organic Carbon in a Scenario of Equal Degradability. Frontiers in Marine Science, 2020, 7, .	1.2	9
35	Rapid microbial diversification of dissolved organic matter in oceanic surface waters leads to carbon sequestration. Scientific Reports, 2020, 10, 13025.	1.6	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. Organic Geochemistry, 2020, 149, 104085.	0.9	8

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37	Travel Time and Source Variation Explain the Molecular Transformation of Dissolved Organic Matter in an Alpine Stream Network. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005616.	1.3	7
38	Antioxidant Activity and Phenolic Content of Marine Dissolved Organic Matter and Their Relation to Molecular Composition. Frontiers in Marine Science, 2020, 7, .	1.2	7
39	Analytical and Computational Advances, Opportunities, and Challenges in Marine Organic Biogeochemistry in an Era of â€œOmicsâ€• Frontiers in Marine Science, 2020, 7, .	1.2	24
40	Editorial: Current Topics in Marine Organic Biogeochemical Research. Frontiers in Marine Science, 2020, 7, .	1.2	0
41	An international laboratory comparison of dissolved organic matter composition by high resolution mass spectrometry: Are we getting the same answer?. Limnology and Oceanography: Methods, 2020, 18, 235-258.	1.0	109
42	Fires prime terrestrial organic carbon for riverine export to the global oceans. Nature Communications, 2020, 11, 2791.	5.8	71
43	Molecular Composition of Dissolved Organic Matter in Sediment Porewater of the Arctic Deep-Sea Observatory HAUSGARTEN (Fram Strait). Frontiers in Marine Science, 2020, 7, .	1.2	13
44	Genomic, metabolic and phenotypic variability shapes ecological differentiation and intraspecies interactions of Alteromonas macleodii. Scientific Reports, 2020, 10, 809.	1.6	48
45	ICBM-OCEAN: Processing Ultrahigh-Resolution Mass Spectrometry Data of Complex Molecular Mixtures. Analytical Chemistry, 2020, 92, 6832-6838.	3.2	74
46	Biphasic cellular adaptations and ecological implications of Alteromonas macleodii degrading a mixture of algal polysaccharides. ISME Journal, 2019, 13, 92-103.	4.4	74
47	Persistence of dissolved organic matter explained by molecular changes during its passage through soil. Nature Geoscience, 2019, 12, 755-761.	5.4	230
48	Biogeochemical Impacts of a Black Carbon Wet Deposition Event in Halong Bay, Vietnam. Frontiers in Marine Science, 2019, 6, .	1.2	11
49	Ammoniaâ€oxidizing archaea release a suite of organic compounds potentially fueling prokaryotic heterotrophy in the ocean. Environmental Microbiology, 2019, 21, 4062-4075.	1.8	71
50	Climate warming alters subsoil but not topsoil carbon dynamics in alpine grassland. Global Change Biology, 2019, 25, 4383-4393.	4.2	94
51	Biodegradability of hydrothermally altered deep-sea dissolved organic matter. Marine Chemistry, 2019, 217, 103706.	0.9	6
52	Non-conservative Behavior of Dissolved Organic Matter and Trace Metals (Mn, Fe, Ba) Driven by Porewater Exchange in a Subtropical Mangrove-Estuary. Frontiers in Marine Science, 2019, 6, .	1.2	22
53	Marked isotopic variability within and between the Amazon River and marine dissolved black carbon pools. Nature Communications, 2019, 10, 4018.	5.8	47
54	Riverine mixing at the molecular scale â€“ An ultrahigh-resolution mass spectrometry study on dissolved organic matter and selected metals in the Amazon confluence zone (Manaus, Brazil). Organic Geochemistry, 2019, 129, 45-62.	0.9	18

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55	Inorganic and organic iron and copper species of the subterranean estuary: Origins and fate. Geochimica Et Cosmochimica Acta, 2019, 259, 211-232.	1.6	19
56	Environmental Controls on the Riverine Export of Dissolved Black Carbon. Global Biogeochemical Cycles, 2019, 33, 849-874.	1.9	16
57	Dissolved Organic Matter Cycling in the Coastal Upwelling System Off Central Peru During an â€œEl NiÃ±oâ€•Year. Frontiers in Marine Science, 2019, 6, .	1.2	8
58	Molecular Hysteresis: Hydrologically Driven Changes in Riverine Dissolved Organic Matter Chemistry During a Storm Event. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 759-774.	1.3	55
59	Does the Chemodiversity of Bacterial Exometabolomes Sustain the Chemodiversity of Marine Dissolved Organic Matter?. Frontiers in Microbiology, 2019, 10, 215.	1.5	50
60	Different Responses of Dissolved Black Carbon and Dissolved Lignin to Seasonal Hydrological Changes and an Extreme Rain Event. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 479-493.	1.3	38
61	Spatial and Temporal Patterns of Pore Water Chemistry in the Inter-Tidal Zone of a High Energy Beach. Frontiers in Marine Science, 2019, 6, .	1.2	41
62	Chemical and microbial diversity covary in fresh water to influence ecosystem functioning. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24689-24695.	3.3	98
63	Long-term stability of marine dissolved organic carbon emerges from a neutral network of compounds and microbes. Scientific Reports, 2019, 9, 17780.	1.6	41
64	High pore-water derived CO2 and CH4 emissions from a macro-tidal mangrove creek in the Amazon region. Geochimica Et Cosmochimica Acta, 2019, 247, 106-120.	1.6	45
65	Nitrogen Cycling of Active Bacteria within Oligotrophic Sediment of the Mid-Atlantic Ridge Flank. Geomicrobiology Journal, 2018, 35, 468-483.	1.0	50
66	Microbial decomposition of marine dissolved organic matter in cool oceanic crust. Nature Geoscience, 2018, 11, 334-339.	5.4	71
67	Climate-driven shifts in sediment chemistry enhance methane production in northern lakes. Nature Communications, 2018, 9, 1801.	5.8	39
68	Aphotic N₂ fixation along an oligotrophic to ultraoligotrophic transect in the western tropical South Pacific Ocean. Biogeosciences, 2018, 15, 3107-3119.	1.3	15
69	Molecular Signals of Heterogeneous Terrestrial Environments Identified in Dissolved Organic Matter: A Comparative Analysis of Orbitrap and Ion Cyclotron Resonance Mass Spectrometers. Frontiers in Earth Science, 2018, 6, .	0.8	32
70	Fossil Fuel Combustion Emission From South Asia Influences Precipitation Dissolved Organic Carbon Reaching the Remote Tibetan Plateau: Isotopic and Molecular Evidence. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6248-6258.	1.2	34
71	Land Use Controls on the Spatial Variability of Dissolved Black Carbon in a Subtropical Watershed. Environmental Science & Technology, 2018, 52, 8104-8114.	4.6	39
72	Molecular composition and origin of water-soluble organic matter in marine aerosols in the Pacific off China. Atmospheric Environment, 2018, 191, 27-35.	1.9	38

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73	Universal molecular structures in natural dissolved organic matter. Nature Communications, 2018, 9, 3178.	5.8	213
74	Diversity of bacterial communities and dissolved organic matter in a temperate estuary. FEMS Microbiology Ecology, 2018, 94, .	1.3	42
75	The drivers of biogeochemistry in beach ecosystems: A cross-shore transect from the dunes to the low-water line. Marine Chemistry, 2017, 190, 35-50.	0.9	90
76	Spatial Dependence of Reduced Sulfur in Everglades Dissolved Organic Matter Controlled by Sulfate Enrichment. Environmental Science & Technology, 2017, 51, 3630-3639.	4.6	78
77	Differential responses of marine, mesohaline and oligohaline bacterial communities to the addition of terrigenous carbon. Environmental Microbiology, 2017, 19, 3098-3117.	1.8	17
78	Linking optical and molecular signatures of dissolved organic matter in the Mediterranean Sea. Scientific Reports, 2017, 7, 3436.	1.6	41
79	Thermally altered marine dissolved organic matter in hydrothermal fluids. Organic Geochemistry, 2017, 110, 73-86.	0.9	57
80	Comment on â€œDissolved organic sulfur in the ocean: Biogeochemistry of a petagram inventoryâ€• Science, 2017, 356, 813-813.	6.0	7
81	Export of terrigenous dissolved organic matter in a broad continental shelf. Limnology and Oceanography, 2017, 62, 1718-1731.	1.6	36
82	Molecular properties of deep-sea dissolved organic matter are predictable by the central limit theorem: Evidence from tandem FT-ICR-MS. Marine Chemistry, 2017, 191, 9-15.	0.9	145
83	Low photolability of yedoma permafrost dissolved organic carbon. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 200-211.	1.3	52
84	Molecular Fractionation of Dissolved Organic Matter in a Shallow Subterranean Estuary: The Role of the Iron Curtain. Environmental Science & Technology, 2017, 51, 1312-1320.	4.6	95
85	The Optical, Chemical, and Molecular Dissolved Organic Matter Succession Along a Boreal Soilâ€Streamâ€River Continuum. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2892-2908.	1.3	49
86	Molecular signatures of dissolved organic matter in a tropical karst system. Organic Geochemistry, 2017, 113, 141-149.	0.9	13
87	Emergence of the Reactivity Continuum of Organic Matter from Kinetics of a Multitude of Individual Molecular Constituents. Environmental Science & Technology, 2017, 51, 11571-11579.	4.6	51
88	Aerosols as a source of dissolved black carbon to the ocean. Nature Communications, 2017, 8, 510.	5.8	106
89	Photochemical Alteration of Dissolved Organic Sulfur from Sulfidic Porewater. Environmental Science & Technology, 2017, 51, 14144-14154.	4.6	38
90	Molecular composition of dissolved organic matter in the Mediterranean Sea. Limnology and Oceanography, 2017, 62, 2699-2712.	1.6	41

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91	Do Regional Aerosols Contribute to the Riverine Export of Dissolved Black Carbon?. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2925-2938.	1.3	21
92	Seasonal dynamics of atmospheric and river inputs of black carbon, and impacts on biogeochemical cycles in Halong Bay, Vietnam. Elementa, 2017, 5, .	1.1	6
93	Dissolved Black Carbon in the Headwaters-to-Ocean Continuum of ParaÃba Do Sul River, Brazil. Frontiers in Earth Science, 2017, 5, .	0.8	38
94	Molecular and Optical Properties of Tree-Derived Dissolved Organic Matter in Throughfall and Stemflow from Live Oaks and Eastern Red Cedar. Frontiers in Earth Science, 2017, 5, .	0.8	48
95	Composition and Transformation of Dissolved Organic Matter in the Baltic Sea. Frontiers in Earth Science, 2017, 5, .	0.8	76
96	Molecular Determinants of Dissolved Organic Matter Reactivity in Lake Water. Frontiers in Earth Science, 2017, 5, .	0.8	58
97	Microbially-Mediated Transformations of Estuarine Dissolved Organic Matter. Frontiers in Marine Science, 2017, 4, .	1.2	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. Frontiers in Marine Science, 2017, 4, .	1.2	49
99	Functional Molecular Diversity of Marine Dissolved Organic Matter Is Reduced during Degradation. Frontiers in Marine Science, 2017, 4, .	1.2	64
100	Ocean Acidification Experiments in Large-Scale Mesocosms Reveal Similar Dynamics of Dissolved Organic Matter Production and Biotransformation. Frontiers in Marine Science, 2017, 4, .	1.2	15
101	Experimental Evidence for Abiotic Sulfurization of Marine Dissolved Organic Matter. Frontiers in Marine Science, 2017, 4, .	1.2	67
102	Phosphate Limitation Triggers the Dissolution of Precipitated Iron by the Marine Bacterium Pseudovibrio sp. FO-BEG1. Frontiers in Microbiology, 2017, 8, 364.	1.5	19
103	The Exometabolome of Two Model Strains of the Roseobacter Group: A Marketplace of Microbial Metabolites. Frontiers in Microbiology, 2017, 8, 1985.	1.5	96
104	Bottled aqua incognita: microbiota assembly and dissolved organic matter diversity in natural mineral waters. Microbiome, 2017, 5, 126.	4.9	26
105	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. Frontiers in Earth Science, 2016, 4, .	0.8	96
106	Environmental Drivers of Dissolved Organic Matter Molecular Composition in the Delaware Estuary. Frontiers in Earth Science, 2016, 4, .	0.8	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. Frontiers in Marine Science, 2016, 3, .	1.2	25
108	Short-Term Dynamics of North Sea Bacterioplankton-Dissolved Organic Matter Coherence on Molecular Level. Frontiers in Microbiology, 2016, 7, 321.	1.5	48

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109	A novel molecular approach for tracing terrigenous dissolved organic matter into the deep ocean. Global Biogeochemical Cycles, 2016, 30, 689-699.	1.9	81
110	Towards a global assessment of pyrogenic carbon from vegetation fires. Global Change Biology, 2016, 22, 76-91.	4.2	256
111	Molecular alteration of marine dissolved organic matter under experimental hydrothermal conditions. Geochimica Et Cosmochimica Acta, 2016, 175, 68-85.	1.6	73
112	Dissolved organic matter in pore water of Arctic Ocean sediments: Environmental influence on molecular composition. Organic Geochemistry, 2016, 97, 41-52.	0.9	56
113	Molecular evidence for abiotic sulfurization of dissolved organic matter in marine shallow hydrothermal systems. Geochimica Et Cosmochimica Acta, 2016, 190, 35-52.	1.6	60
114	Comparing molecular composition of dissolved organic matter in soil and stream water: Influence of land use and chemical characteristics. Science of the Total Environment, 2016, 571, 142-152.	3.9	79
115	Seasonal and spatial variability of dissolved organic matter composition in the lower Amazon River. Biogeochemistry, 2016, 131, 281-302.	1.7	40
116	Evaluation of the Orbitrap Mass Spectrometer for the Molecular Fingerprinting Analysis of Natural Dissolved Organic Matter. Analytical Chemistry, 2016, 88, 7698-7704.	3.2	135
117	Basinâ€wide N₂ fixation in the deep waters of the Mediterranean Sea. Global Biogeochemical Cycles, 2016, 30, 952-961.	1.9	43
118	Acidification and warming affect prominent bacteria in two seasonal phytoplankton bloom mesocosms. Environmental Microbiology, 2016, 18, 4579-4595.	1.8	49
119	Linking molecular size, composition and carbon turnover of extractable soil microbial compounds. Soil Biology and Biochemistry, 2016, 100, 66-73.	4.2	33
120	Deciphering associations between dissolved organic molecules and bacterial communities in a pelagic marine system. ISME Journal, 2016, 10, 1717-1730.	4.4	155
121	Reply to Prince et al.: Ability of chemical dispersants to reduce oil spill impacts remains unclear. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1422-E1423.	3.3	25
122	Biodegradation of crude oil and dispersants in deep seawater from the Gulf of Mexico: Insights from ultra-high resolution mass spectrometry. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 108-118.	0.6	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. PLoS ONE, 2016, 11, e0159068.	1.1	64
124	Conservation of dissolved organic matter molecular composition during mixing of the deep water masses of the northeast Atlantic Ocean. Marine Chemistry, 2015, 177, 288-297.	0.9	51
125	Droughtâ€induced variability in dissolved organic matter composition in a marshâ€dominated estuary. Geophysical Research Letters, 2015, 42, 6446-6453.	1.5	24
126	Extraordinary slow degradation of dissolved organic carbon (DOC) in a cold marginal sea. Scientific Reports, 2015, 5, 13808.	1.6	19

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127	Fate of the Amazon River dissolved organic matter in the tropical Atlantic Ocean. Global Biogeochemical Cycles, 2015, 29, 677-690.	1.9	148
128	Dissolved organic matter composition and photochemical transformations in the northern North Pacific Ocean. Geophysical Research Letters, 2015, 42, 863-870.	1.5	106
129	Associations Between the Molecular and Optical Properties of Dissolved Organic Matter in the Florida Everglades, a Model Coastal Wetland System. Frontiers in Chemistry, 2015, 3, 66.	1.8	74
130	Utilizing colored dissolved organic matter to derive dissolved black carbon export by arctic rivers. Frontiers in Earth Science, 2015, 3, .	0.8	83
131	Substrate Use of Pseudovibrio sp. Growing in Ultra-Oligotrophic Seawater. PLoS ONE, 2015, 10, e0121675.	1.1	17
132	Mesopelagic N2 Fixation Related to Organic Matter Composition in the Solomon and Bismarck Seas (Southwest Pacific). PLoS ONE, 2015, 10, e0143775.	1.1	62
133	Uncoupled organic matter burial and quality in boreal lake sediments over the Holocene. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1751-1763.	1.3	21
134	Persistence of dissolved organic matter in lakes related to its molecular characteristics. Nature Geoscience, 2015, 8, 454-457.	5.4	457
135	Interaction between iron and dissolved organic matter in a marine shallow hydrothermal system off Dominica Island (Lesser Antilles). Marine Chemistry, 2015, 177, 677-686.	0.9	26
136	Response to Comment on â€œDilution limits dissolved organic carbon utilization in the deep oceanâ€. Science, 2015, 350, 1483-1483.	6.0	11
137	Effects of ocean acidification on marine dissolved organic matter are not detectable over the succession of phytoplankton blooms. Science Advances, 2015, 1, e1500531.	4.7	45
138	Molecular characterization of dissolved black nitrogen via electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Organic Geochemistry, 2015, 79, 21-30.	0.9	42
139	Porewater exchange as a driver of carbon dynamics across a terrestrial-marine transect: Insights from coupled 222Rn and pCO2 observations in the German Wadden Sea. Marine Chemistry, 2015, 171, 10-20.	0.9	68
140	Illuminating the deep: Molecular signatures of photochemical alteration of dissolved organic matter from North Atlantic Deep Water. Marine Chemistry, 2015, 177, 318-324.	0.9	69
141	Bioavailability and molecular composition of dissolved organic matter from a diffuse hydrothermal system. Marine Chemistry, 2015, 177, 257-266.	0.9	48
142	Inefficient microbial production of refractory dissolved organic matter in the ocean. Nature Communications, 2015, 6, 7422.	5.8	166
143	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. Environmental Science & Technology, 2015, 49, 13798-13806.	4.6	166
144	Molecular-level changes of dissolved organic matter along the Amazon River-to-ocean continuum. Marine Chemistry, 2015, 177, 218-231.	0.9	206

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145	Evaluation of Copper Oxide Oxidation for Quantification of Lignin in Municipal Solid Waste. Environmental Engineering Science, 2015, 32, 486-496.	0.8	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 metalâ€"organic complexes from natural waters. Marine Chemistry, 2015, 173, 78-92.	0.9	60
147	Carbon, nutrient and trace metal cycling in sandy sediments: AÂcomparison of high-energy beaches and backbarrier tidal flats. Estuarine, Coastal and Shelf Science, 2015, 159, 1-14.	0.9	78
148	The Molecular Composition of Dissolved Organic Matter in Forest Soils as a Function of pH and Temperature. PLoS ONE, 2015, 10, e0119188.	1.1	83
149	Detecting the signature of permafrost thaw in Arctic rivers. Geophysical Research Letters, 2015, 42, 2830-2835.	1.5	261
150	Dilution limits dissolved organic carbon utilization in the deep ocean. Science, 2015, 348, 331-333.	6.0	230
151	Efficient removal of recalcitrant deep-ocean dissolved organic matter during hydrothermalÂcirculation. Nature Geoscience, 2015, 8, 856-860.	5.4	104
152	Non-conservative behavior of fluorescent dissolved organic matter (FDOM) within a subterranean estuary. Continental Shelf Research, 2015, 110, 183-190.	0.9	29
153	Benthic-pelagic coupling of nutrients and dissolved organic matter composition in an intertidal sandy beach. Marine Chemistry, 2015, 176, 150-163.	0.9	102
154	Chemical dispersants can suppress the activity of natural oil-degrading microorganisms. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14900-14905.	3.3	276
155	Novel insights into the molecular structure of non-volatile marine dissolved organic sulfur. Marine Chemistry, 2015, 168, 86-94.	0.9	53
156	Reasons Behind the Long-Term Stability of Dissolved Organic Matter. , 2015, , 369-388.		86
157	Uncoupling of Bacterial and Terrigenous Dissolved Organic Matter Dynamics in Decomposition Experiments. PLoS ONE, 2014, 9, e93945.	1.1	54
158	Dissolved Organic Matter in Aquatic Systems. , 2014, , 125-156.		82
159	Fourier transform ion cyclotron resonance mass spectrometrical analysis of raw fermented cocoa beans of Cameroon and Ivory Coast origin. Food Research International, 2014, 64, 958-961.	2.9	20
160	Molecular evidence for rapid dissolved organic matter turnover in Arctic fjords. Marine Chemistry, 2014, 160, 1-10.	0.9	48
161	Bacterial community structure and dissolved organic matter in repeatedly flooded subsurface karst water pools. FEMS Microbiology Ecology, 2014, 89, 111-126.	1.3	48
162	An intercomparison of three methods for the large-scale isolation of oceanic dissolved organic matter. Marine Chemistry, 2014, 161, 14-19.	0.9	168

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163	Chemodiversity of dissolved organic matter in lakes driven by climate and hydrology. Nature Communications, 2014, 5, 3804.	5.8	508
164	Whatâ€™s in an EEM? Molecular Signatures Associated with Dissolved Organic Fluorescence in Boreal Canada. Environmental Science & Technology, 2014, 48, 10598-10606.	4.6	292
165	Source and biolability of ancient dissolved organic matter in glacier and lake ecosystems on the Tibetan Plateau. Geochimica Et Cosmochimica Acta, 2014, 142, 64-74.	1.6	186
166	A Method Detection Limit for the Analysis of Natural Organic Matter via Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Chemistry, 2014, 86, 8376-8382.	3.2	169
167	Can primary production contribute non-labile organic matter in the sea: Amino acid enantiomers along the coast south of the Changjiang Estuary in May. Journal of Marine Systems, 2014, 129, 343-349.	0.9	23
168	Biogeochemistry of dissolved organic matter in an anoxic intertidal creek bank. Geochimica Et Cosmochimica Acta, 2014, 140, 418-434.	1.6	218
169	Ecosystemâ€Specific Composition of Dissolved Organic Matter. Vadose Zone Journal, 2014, 13, 1-10.	1.3	46
170	Exo-Metabolome of Pseudovibrio sp. FO-BEG1 Analyzed by Ultra-High Resolution Mass Spectrometry and the Effect of Phosphate Limitation. PLoS ONE, 2014, 9, e96038.	1.1	57
171	Latitude and pH driven trends in the molecular composition of DOM across a north south transect along the Yenisei River. Geochimica Et Cosmochimica Acta, 2013, 123, 93-105.	1.6	67
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173	Degradation of terrestrially derived macromolecules in the Amazon River. Nature Geoscience, 2013, 6, 530-533.	5.4	300
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