

Thorsten Dittmar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

18,986
citations

63
h-index

134
g-index

243
ext. papers

23,632
ext. citations

6.9
avg, IF

7.04
L-index

#	Paper	IF	Citations
226	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	4.8	1
225	Mangrove microbiome reveals importance of sulfur metabolism in tropical coastal waters. <i>Science of the Total Environment</i> , 2021 , 151889	10.2	0
224	Accumulation of DOC in the South Pacific Subtropical Gyre from a molecular perspective. <i>Marine Chemistry</i> , 2021 , 231, 103955	3.7	6
223	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	3.7	0
222	Drivers of Organic Molecular Signatures in the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2021GB006938	5.9	2
221	Enigmatic persistence of dissolved organic matter in the ocean. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 570-583	30.2	12
220	Sulfurization of dissolved organic matter in the anoxic water column of the Black Sea. <i>Science Advances</i> , 2021 , 7,	14.3	10
219	Questions remain about the biolability of dissolved black carbon along the combustion continuum. <i>Nature Communications</i> , 2021 , 12, 4281	17.4	6
218	Plant diversity enhances production and downward transport of biodegradable dissolved organic matter. <i>Journal of Ecology</i> , 2021 , 109, 1284-1297	6	3
217	Imprint of Kairei and Pelagia deep-sea hydrothermal systems (Indian Ocean) on marine dissolved organic matter. <i>Organic Geochemistry</i> , 2021 , 152, 104141	3.1	3
216	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,	4.5	4
215	Biogeochemical cycling of molybdenum and thallium during a phytoplankton summer bloom: A mesocosm study. <i>Marine Chemistry</i> , 2021 , 229, 103910	3.7	4
214	Dissolved Organic Matter Processing in Pristine Antarctic Streams. <i>Environmental Science & Technology</i> , 2021 , 55, 10175-10185	10.3	3
213	Niche partitioning by photosynthetic plankton as a driver of CO-fixation across the oligotrophic South Pacific Subtropical Ocean. <i>ISME Journal</i> , 2021 ,	11.9	2
212	Marine dissolved organic matter: a vast and unexplored molecular space. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 7225-7239	5.7	1
211	Dissolved organic compounds with synchronous dynamics share chemical properties and origin. <i>Limnology and Oceanography</i> , 2021 , 66, 4001	4.8	0
210	Biogeochemical thallium cycling during a mesocosm phytoplankton spring bloom: Biotic versus abiotic drivers. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 313, 257-276	5.5	0

209	Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. <i>Limnology and Oceanography</i> , 2021 , 66, 438-451	4.8	8
208	The carbon and nitrogen budget of -a voracious cold-water coral thriving in an acidified Patagonian fjord.. <i>PeerJ</i> , 2021 , 9, e12609	3.1	0
207	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	2.6	43
206	Fires prime terrestrial organic carbon for riverine export to the global oceans. <i>Nature Communications</i> , 2020 , 11, 2791	17.4	28
205	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,	4.5	6
204	Genomic, metabolic and phenotypic variability shapes ecological differentiation and intraspecies interactions of <i>Alteromonas macleodii</i> . <i>Scientific Reports</i> , 2020 , 10, 809	4.9	14
203	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	4.4	10
202	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	7.8	11
201	Microbial Physiology Governs the Oceanic Distribution of Dissolved Organic Carbon in a Scenario of Equal Degradability. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	3
200	Rapid microbial diversification of dissolved organic matter in oceanic surface waters leads to carbon sequestration. <i>Scientific Reports</i> , 2020 , 10, 13025	4.9	6
199	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	3.1	5
198	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	3.7	4
197	Antioxidant Activity and Phenolic Content of Marine Dissolved Organic Matter and Their Relation to Molecular Composition. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	4
196	Analytical and Computational Advances, Opportunities, and Challenges in Marine Organic Biogeochemistry in an Era of Omics <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	6
195	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	10.3	17
194	ICBM-OCEAN: Processing Ultrahigh-Resolution Mass Spectrometry Data of Complex Molecular Mixtures. <i>Analytical Chemistry</i> , 2020 , 92, 6832-6838	7.8	21
193	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,	4.5	9
192	Marked isotopic variability within and between the Amazon River and marine dissolved black carbon pools. <i>Nature Communications</i> , 2019 , 10, 4018	17.4	20

191	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	3.1	10
190	Inorganic and organic iron and copper species of the subterranean estuary: Origins and fate. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 259, 211-232	5.5	10
189	Environmental Controls on the Riverine Export of Dissolved Black Carbon. <i>Global Biogeochemical Cycles</i> , 2019 , 33, 849-874	5.9	8
188	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,	4.5	1
187	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	3.7	33
186	Does the Chemodiversity of Bacterial Exometabolomes Sustain the Chemodiversity of Marine Dissolved Organic Matter?. <i>Frontiers in Microbiology</i> , 2019 , 10, 215	5.7	29
185	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	11.9	27
184	Persistence of dissolved organic matter explained by molecular changes during its passage through soil. <i>Nature Geoscience</i> , 2019 , 12, 755-761	18.3	96
183	Biogeochemical Impacts of a Black Carbon Wet Deposition Event in Halong Bay, Vietnam. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	8
182	Ammonia-oxidizing archaea release a suite of organic compounds potentially fueling prokaryotic heterotrophy in the ocean. <i>Environmental Microbiology</i> , 2019 , 21, 4062-4075	5.2	33
181	Climate warming alters subsoil but not topsoil carbon dynamics in alpine grassland. <i>Global Change Biology</i> , 2019 , 25, 4383-4393	11.4	35
180	Biodegradability of hydrothermally altered deep-sea dissolved organic matter. <i>Marine Chemistry</i> , 2019 , 217, 103706	3.7	5
179	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	3.7	25
178	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,	4.5	20
177	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	11.5	33
176	Long-term stability of marine dissolved organic carbon emerges from a neutral network of compounds and microbes. <i>Scientific Reports</i> , 2019 , 9, 17780	4.9	18
175	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	5.5	27
174	Nitrogen Cycling of Active Bacteria within Oligotrophic Sediment of the Mid-Atlantic Ridge Flank. <i>Geomicrobiology Journal</i> , 2018 , 35, 468-483	2.5	19

173	Microbial decomposition of marine dissolved organic matter in cool oceanic crust. <i>Nature Geoscience</i> , 2018 , 11, 334-339	18.3	49
172	Climate-driven shifts in sediment chemistry enhance methane production in northern lakes. <i>Nature Communications</i> , 2018 , 9, 1801	17.4	22
171	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	5.3	17
170	Universal molecular structures in natural dissolved organic matter. <i>Nature Communications</i> , 2018 , 9, 3178	7.4	100
169	Diversity of bacterial communities and dissolved organic matter in a temperate estuary. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	19
168	Aphotic N ₂ fixation along an oligotrophic to ultraoligotrophic transect in the western tropical South Pacific Ocean. <i>Biogeosciences</i> , 2018 , 15, 3107-3119	4.6	8
167	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,	3.5	19
166	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	4.4	25
165	Land Use Controls on the Spatial Variability of Dissolved Black Carbon in a Subtropical Watershed. <i>Environmental Science & Technology</i> , 2018 , 52, 8104-8114	10.3	23
164	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	3.7	47
163	Spatial Dependence of Reduced Sulfur in Everglades Dissolved Organic Matter Controlled by Sulfate Enrichment. <i>Environmental Science & Technology</i> , 2017 , 51, 3630-3639	10.3	45
162	Differential responses of marine, mesohaline and oligohaline bacterial communities to the addition of terrigenous carbon. <i>Environmental Microbiology</i> , 2017 , 19, 3098-3117	5.2	11
161	Linking optical and molecular signatures of dissolved organic matter in the Mediterranean Sea. <i>Scientific Reports</i> , 2017 , 7, 3436	4.9	18
160	Thermally altered marine dissolved organic matter in hydrothermal fluids. <i>Organic Geochemistry</i> , 2017 , 110, 73-86	3.1	35
159	Comment on "Dissolved organic sulfur in the ocean: Biogeochemistry of a petagram inventory". <i>Science</i> , 2017 , 356, 813	33.3	4
158	Export of terrigenous dissolved organic matter in a broad continental shelf. <i>Limnology and Oceanography</i> , 2017 , 62, 1718-1731	4.8	20
157	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	3.7	78
156	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 200-211	3.7	42

155	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	10.3	40
154	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	3.7	35
153	Bottled aqua incognita: microbiota assembly and dissolved organic matter diversity in natural mineral waters. <i>Microbiome</i> , 2017 , 5, 126	16.6	19
152	Molecular signatures of dissolved organic matter in a tropical karst system. <i>Organic Geochemistry</i> , 2017 , 113, 141-149	3.1	7
151	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	10.3	28
150	Aerosols as a source of dissolved black carbon to the ocean. <i>Nature Communications</i> , 2017 , 8, 510	17.4	66
149	Photochemical Alteration of Dissolved Organic Sulfur from Sulfidic Porewater. <i>Environmental Science & Technology</i> , 2017 , 51, 14144-14154	10.3	25
148	Molecular composition of dissolved organic matter in the Mediterranean Sea. <i>Limnology and Oceanography</i> , 2017 , 62, 2699-2712	4.8	23
147	Do Regional Aerosols Contribute to the Riverine Export of Dissolved Black Carbon?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 2925-2938	3.7	12
146	Seasonal dynamics of atmospheric and river inputs of black carbon, and impacts on biogeochemical cycles in Halong Bay, Vietnam. <i>Elementa</i> , 2017 , 5,	3.6	5
145	Dissolved Black Carbon in the Headwaters-to-Ocean Continuum of Paraíba Do Sul River, Brazil. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	28
144	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,	3.5	36
143	Composition and Transformation of Dissolved Organic Matter in the Baltic Sea. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	33
142	Molecular Determinants of Dissolved Organic Matter Reactivity in Lake Water. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	27
141	Microbially-Mediated Transformations of Estuarine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	21
140	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,	4.5	27
139	Functional Molecular Diversity of Marine Dissolved Organic Matter Is Reduced during Degradation. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	32
138	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,	4.5	10

137	Experimental Evidence for Abiotic Sulfurization of Marine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	29
136	Phosphate Limitation Triggers the Dissolution of Precipitated Iron by the Marine Bacterium sp. FO-BEG1. <i>Frontiers in Microbiology</i> , 2017 , 8, 364	5.7	13
135	The Exometabolome of Two Model Strains of the Group: A Marketplace of Microbial Metabolites. <i>Frontiers in Microbiology</i> , 2017 , 8, 1985	5.7	54
134	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	2.3	36
133	Seasonal and spatial variability of dissolved organic matter composition in the lower Amazon River. <i>Biogeochemistry</i> , 2016 , 131, 281-302	3.8	28
132	Evaluation of the Orbitrap Mass Spectrometer for the Molecular Fingerprinting Analysis of Natural Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2016 , 88, 7698-704	7.8	95
131	Basin-wide N ₂ fixation in the deep waters of the Mediterranean Sea. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 952-961	5.9	31
130	Acidification and warming affect prominent bacteria in two seasonal phytoplankton bloom mesocosms. <i>Environmental Microbiology</i> , 2016 , 18, 4579-4595	5.2	22
129	Linking molecular size, composition and carbon turnover of extractable soil microbial compounds. <i>Soil Biology and Biochemistry</i> , 2016 , 100, 66-73	7.5	23
128	Deciphering associations between dissolved organic molecules and bacterial communities in a pelagic marine system. <i>ISME Journal</i> , 2016 , 10, 1717-30	11.9	80
127	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, E1422-3	11.5	12
126	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	3.7	52
125	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	63
124	Environmental Drivers of Dissolved Organic Matter Molecular Composition in the Delaware Estuary. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	39
123	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,	4.5	18
122	Short-Term Dynamics of North Sea Bacterioplankton-Dissolved Organic Matter Coherence on Molecular Level. <i>Frontiers in Microbiology</i> , 2016 , 7, 321	5.7	34
121	A novel molecular approach for tracing terrigenous dissolved organic matter into the deep ocean. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 689-699	5.9	42
120	Towards a global assessment of pyrogenic carbon from vegetation fires. <i>Global Change Biology</i> , 2016 , 22, 76-91	11.4	189

119	Molecular alteration of marine dissolved organic matter under experimental hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 175, 68-85	5.5	55
118	Dissolved organic matter in pore water of Arctic Ocean sediments: Environmental influence on molecular composition. <i>Organic Geochemistry</i> , 2016 , 97, 41-52	3.1	32
117	Molecular evidence for abiotic sulfurization of dissolved organic matter in marine shallow hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 190, 35-52	5.5	39
116	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, 142-52	10.2	45
115	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	3.7	48
114	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	3.7	48
113	Bioavailability and molecular composition of dissolved organic matter from a diffuse hydrothermal system. <i>Marine Chemistry</i> , 2015 , 177, 257-266	3.7	31
112	Inefficient microbial production of refractory dissolved organic matter in the ocean. <i>Nature Communications</i> , 2015 , 6, 7422	17.4	101
111	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. <i>Environmental Science & Technology</i> , 2015 , 49, 13798-806	10.3	97
110	Molecular-level changes of dissolved organic matter along the Amazon River-to-ocean continuum. <i>Marine Chemistry</i> , 2015 , 177, 218-231	3.7	118
109	Evaluation of Copper Oxide Oxidation for Quantification of Lignin in Municipal Solid Waste. <i>Environmental Engineering Science</i> , 2015 , 32, 486-496	2	5
108	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 metalorganic complexes from natural waters. <i>Marine Chemistry</i> , 2015 , 173, 78-92	3.7	48
107	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	2.9	47
106	The molecular composition of dissolved organic matter in forest soils as a function of pH and temperature. <i>PLoS ONE</i> , 2015 , 10, e0119188	3.7	52
105	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015 , 42, 2830-2835	4.9	211
104	Ocean chemistry. Dilution limits dissolved organic carbon utilization in the deep ocean. <i>Science</i> , 2015 , 348, 331-3	33.3	156
103	Efficient removal of recalcitrant deep-ocean dissolved organic matter during hydrothermal circulation. <i>Nature Geoscience</i> , 2015 , 8, 856-860	18.3	72
102	Non-conservative behavior of fluorescent dissolved organic matter (FDOM) within a subterranean estuary. <i>Continental Shelf Research</i> , 2015 , 110, 183-190	2.4	21

101	Benthic-pelagic coupling of nutrients and dissolved organic matter composition in an intertidal sandy beach. <i>Marine Chemistry</i> , 2015 , 176, 150-163	3.7	52
100	Chemical dispersants can suppress the activity of natural oil-degrading microorganisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14900-5	11.5	206
99	Novel insights into the molecular structure of non-volatile marine dissolved organic sulfur. <i>Marine Chemistry</i> , 2015 , 168, 86-94	3.7	40
98	Reasons Behind the Long-Term Stability of Dissolved Organic Matter 2015 , 369-388		50
97	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	3.7	33
96	Drought-induced variability in dissolved organic matter composition in a marsh-dominated estuary. <i>Geophysical Research Letters</i> , 2015 , 42, 6446-6453	4.9	20
95	Extraordinary slow degradation of dissolved organic carbon (DOC) in a cold marginal sea. <i>Scientific Reports</i> , 2015 , 5, 13808	4.9	12
94	Fate of the Amazon River dissolved organic matter in the tropical Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 677-690	5.9	96
93	Dissolved organic matter composition and photochemical transformations in the northern North Pacific Ocean. <i>Geophysical Research Letters</i> , 2015 , 42, 863-870	4.9	64
92	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	5	48
91	Utilizing colored dissolved organic matter to derive dissolved black carbon export by arctic rivers. <i>Frontiers in Earth Science</i> , 2015 , 3,	3.5	58
90	Substrate use of <i>Pseudovibrio</i> sp. growing in ultra-oligotrophic seawater. <i>PLoS ONE</i> , 2015 , 10, e0121675	3.7	16
89	Mesopelagic N ₂ Fixation Related to Organic Matter Composition in the Solomon and Bismarck Seas (Southwest Pacific). <i>PLoS ONE</i> , 2015 , 10, e0143775	3.7	42
88	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	3.7	18
87	Persistence of dissolved organic matter in lakes related to its molecular characteristics. <i>Nature Geoscience</i> , 2015 , 8, 454-457	18.3	288
86	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	3.7	21
85	Response to Comment on "Dilution limits dissolved organic carbon utilization in the deep ocean". <i>Science</i> , 2015 , 350, 1483	33.3	10
84	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	14.3	36

83	Molecular characterization of dissolved black nitrogen via electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Organic Geochemistry</i> , 2015 , 79, 21-30	3.1	30
82	Bacterial community structure and dissolved organic matter in repeatedly flooded subsurface karst water pools. <i>FEMS Microbiology Ecology</i> , 2014 , 89, 111-26	4.3	39
81	An intercomparison of three methods for the large-scale isolation of oceanic dissolved organic matter. <i>Marine Chemistry</i> , 2014 , 161, 14-19	3.7	114
80	Chemodiversity of dissolved organic matter in lakes driven by climate and hydrology. <i>Nature Communications</i> , 2014 , 5, 3804	17.4	312
79	What's in an EEM? Molecular signatures associated with dissolved organic fluorescence in boreal Canada. <i>Environmental Science & Technology</i> , 2014 , 48, 10598-606	10.3	213
78	Source and biolability of ancient dissolved organic matter in glacier and lake ecosystems on the Tibetan Plateau. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 142, 64-74	5.5	137
77	A method detection limit for the analysis of natural organic matter via Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 8376-82	7.8	115
76	Can primary production contribute non-labile organic matter in the sea: Amino acid enantiomers along the coast south of the Changjiang Estuary in May. <i>Journal of Marine Systems</i> , 2014 , 129, 343-349	2.7	17
75	Biogeochemistry of dissolved organic matter in an anoxic intertidal creek bank. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 140, 418-434	5.5	153
74	Ecosystem-Specific Composition of Dissolved Organic Matter. <i>Vadose Zone Journal</i> , 2014 , 13, vzt2013.09.0162	2.9	29
73	Uncoupling of bacterial and terrigenous dissolved organic matter dynamics in decomposition experiments. <i>PLoS ONE</i> , 2014 , 9, e93945	3.7	43
72	Dissolved Organic Matter in Aquatic Systems 2014 , 125-156		49
71	Fourier transform ion cyclotron resonance mass spectrometrical analysis of raw fermented cocoa beans of Cameroon and Ivory Coast origin. <i>Food Research International</i> , 2014 , 64, 958-961	7	17
70	Molecular evidence for rapid dissolved organic matter turnover in Arctic fjords. <i>Marine Chemistry</i> , 2014 , 160, 1-10	3.7	37
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