

Thorsten Dittmar

List of Publications by Citations

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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	Persistence of soil organic matter as an ecosystem property. <i>Nature</i> , 2011 , 478, 49-56	50.4	3282
225	A simple and efficient method for the solid-phase extraction of dissolved organic matter (SPE-DOM) from seawater. <i>Limnology and Oceanography: Methods</i> , 2008 , 6, 230-235	2.6	888
224	Organic carbon dynamics in mangrove ecosystems: A review. <i>Aquatic Botany</i> , 2008 , 89, 201-219	1.8	754
223	From mass to structure: an aromaticity index for high-resolution mass data of natural organic matter. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 926-932	2.2	680
222	Mangrove production and carbon sinks: A revision of global budget estimates. <i>Global Biogeochemical Cycles</i> , 2008 , 22, n/a-n/a	5.9	624
221	The biogeochemistry of the river and shelf ecosystem of the Arctic Ocean: a review. <i>Marine Chemistry</i> , 2003 , 83, 103-120	3.7	381
220	Molecular formulae of marine and terrigenous dissolved organic matter detected by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2005 , 69, 3299-3308	5.5	362
219	Fundamentals of molecular formula assignment to ultrahigh resolution mass data of natural organic matter. <i>Analytical Chemistry</i> , 2007 , 79, 1758-63	7.8	313
218	Chemodiversity of dissolved organic matter in lakes driven by climate and hydrology. <i>Nature Communications</i> , 2014 , 5, 3804	17.4	312
217	Global charcoal mobilization from soils via dissolution and riverine transport to the oceans. <i>Science</i> , 2013 , 340, 345-7	33.3	310
216	Mangroves, a major source of dissolved organic carbon to the oceans. <i>Global Biogeochemical Cycles</i> , 2006 , 20, n/a-n/a	5.9	290
215	Persistence of dissolved organic matter in lakes related to its molecular characteristics. <i>Nature Geoscience</i> , 2015 , 8, 454-457	18.3	288
214	Iron traps terrestrially derived dissolved organic matter at redox interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10101-5	11.5	258
213	Degradation of terrestrially derived macromolecules in the Amazon River. <i>Nature Geoscience</i> , 2013 , 6, 530-533	18.3	242
212	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
211	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015 , 42, 2830-2835	4.95	211
210	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

209	Biogeochemically diverse organic matter in Alpine glaciers and its downstream fate. <i>Nature Geoscience</i> , 2012 , 5, 710-714	18.3	200
208	A heat-induced molecular signature in marine dissolved organic matter. <i>Nature Geoscience</i> , 2009 , 2, 175-189	11.4	189
207	Towards a global assessment of pyrogenic carbon from vegetation fires. <i>Global Change Biology</i> , 2016 , 22, 76-91	3.1	166
206	Tidal pumping drives nutrient and dissolved organic matter dynamics in a Gulf of Mexico subterranean estuary. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 1325-1339	3.7	165
205	The molecular level determination of black carbon in marine dissolved organic matter. <i>Organic Geochemistry</i> , 2008 , 39, 396-407	3.7	159
204	River or mangrove? Tracing major organic matter sources in tropical Brazilian coastal waters. <i>Marine Chemistry</i> , 2001 , 73, 253-271	5.5	158
203	Thermogenic organic matter dissolved in the abyssal ocean. <i>Marine Chemistry</i> , 2006 , 102, 208-217	33.3	156
202	Molecular evidence for lignin degradation in sulfate-reducing mangrove sediments (Amazonia, Brazil). <i>Geochimica Et Cosmochimica Acta</i> , 2001 , 65, 1417-1428	10.3	156
201	Ocean chemistry. Dilution limits dissolved organic carbon utilization in the deep ocean. <i>Science</i> , 2015 , 348, 331-3	4.6	154
200	Molecular fractionation of dissolved organic matter with metal salts. <i>Environmental Science & Technology</i> , 2012 , 46, 4419-26	5.5	153
199	Photo-lability of deep ocean dissolved black carbon. <i>Biogeosciences</i> , 2012 , 9, 1661-1670	2.9	151
198	Biogeochemistry of dissolved organic matter in an anoxic intertidal creek bank. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 140, 418-434	5.5	149
197	Driving Forces Behind Nutrient and Organic Matter Dynamics in a Mangrove Tidal Creek in North Brazil. <i>Estuarine, Coastal and Shelf Science</i> , 2001 , 52, 249-259	4.8	146
196	Origin and biogeochemical cycling of organic nitrogen in the eastern Arctic Ocean as evident from D- and L-amino acids. <i>Geochimica Et Cosmochimica Acta</i> , 2001 , 65, 4103-4114	18.3	141
195	Nutrient biogeochemistry in a Gulf of Mexico subterranean estuary and groundwater-derived fluxes to the coastal ocean. <i>Limnology and Oceanography</i> , 2008 , 53, 705-718	3.7	139
194	Continuous flux of dissolved black carbon from a vanished tropical forest biome. <i>Nature Geoscience</i> , 2012 , 5, 618-622	11.9	138
193	Hailstones: a window into the microbial and chemical inventory of a storm cloud. <i>PLoS ONE</i> , 2013 , 8, e53550		
192	Heterotrophic organisms dominate nitrogen fixation in the South Pacific Gyre. <i>ISME Journal</i> , 2012 , 6, 1238-49		

191	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
190	Advanced characterization of marine dissolved organic matter by combining reversed-phase liquid chromatography and FT-ICR-MS. <i>Marine Chemistry</i> , 2008 , 111, 233-241	3.7	128
189	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
188	Molecular characterization of dissolved organic matter in a North Brazilian mangrove porewater and mangrove-fringed estuaries by ultrahigh resolution Fourier Transform-Ion Cyclotron Resonance mass spectrometry and excitation/emission spectroscopy. <i>Marine Chemistry</i> , 2007 , 105, 15-29	3.7	116
187	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
186	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
185	Microbial and chemical characterization of underwater fresh water springs in the Dead Sea. <i>PLoS ONE</i> , 2012 , 7, e38319	3.7	109
184	Inefficient microbial production of refractory dissolved organic matter in the ocean. <i>Nature Communications</i> , 2015 , 6, 7422	17.4	101
183	Universal molecular structures in natural dissolved organic matter. <i>Nature Communications</i> , 2018 , 9, 31787.4	7.4	100
182	Dissolved Organic Matter in Headwater Streams: Compositional Variability across Climatic Regions of North America. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 94, 95-108	5.5	98
181	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
180	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
179	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
178	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
177	Molecular composition of dissolved organic matter from a wetland plant (<i>Juncus effusus</i>) after photochemical and microbial decomposition (1.25 yr): Common features with deep sea dissolved organic matter. <i>Organic Geochemistry</i> , 2013 , 60, 62-71	3.1	90
176	Recalcitrant dissolved organic matter in the ocean: major contribution of small amphiphilics. <i>Marine Chemistry</i> , 2003 , 82, 115-123	3.7	86
175	Comprehensive characterization of marine dissolved organic matter by Fourier transform ion cyclotron resonance mass spectrometry with electrospray and atmospheric pressure photoionization. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 643-50	2.2	84
174	How deep-sea wood falls sustain chemosynthetic life. <i>PLoS ONE</i> , 2013 , 8, e53590	3.7	83

173	Do mangroves rather than rivers provide nutrients to coastal environments south of the Amazon River? Evidence from long-term flux measurements. <i>Marine Ecology - Progress Series</i> , 2001 , 213, 67-77	2.6	83
172	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
171	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
170	Characterization of dissolved organic matter across the Subtropical Convergence off the South Island, New Zealand. <i>Marine Chemistry</i> , 2011 , 123, 99-110	3.7	74
169	Efficient removal of recalcitrant deep-ocean dissolved organic matter during hydrothermal circulation. <i>Nature Geoscience</i> , 2015 , 8, 856-860	18.3	72
168	Tracing suspended organic nitrogen from the Yangtze River catchment into the East China Sea. <i>Marine Chemistry</i> , 2007 , 107, 367-377	3.7	69
167	Aerosols as a source of dissolved black carbon to the ocean. <i>Nature Communications</i> , 2017 , 8, 510	17.4	66
166	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
165	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	63
164	Low volume quantification of dissolved organic carbon and dissolved nitrogen. <i>Limnology and Oceanography: Methods</i> , 2012 , 10, 347-352	2.6	59
163	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
162	Discharge of dissolved black carbon from a fire-affected intertidal system. <i>Limnology and Oceanography</i> , 2012 , 57, 1171-1181	4.8	55
161	Tracing terrigenous dissolved organic matter and its photochemical decay in the ocean by using liquid chromatography/mass spectrometry. <i>Marine Chemistry</i> , 2007 , 107, 378-387	3.7	55
160	Molecular alteration of marine dissolved organic matter under experimental hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 175, 68-85	5.5	55
159	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
158	Comparison of gas with liquid chromatography for the determination of benzenepolycarboxylic acids as molecular tracers of black carbon. <i>Organic Geochemistry</i> , 2011 , 42, 275-282	3.1	53
157	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
156	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

155	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
154	Uranium and barium cycling in a salt wedge subterranean estuary: The influence of tidal pumping. <i>Chemical Geology</i> , 2011 , 287, 114-123	4.2	51
153	Nutrient dynamics in a mangrove creek (North Brazil) during the dry season. <i>Mangroves and Salt Marshes</i> , 1999 , 3, 185-195		51
152	Reasons Behind the Long-Term Stability of Dissolved Organic Matter 2015 , 369-388		50
151	Microbial decomposition of marine dissolved organic matter in cool oceanic crust. <i>Nature Geoscience</i> , 2018 , 11, 334-339	18.3	49
150	Dissolved Organic Matter in Aquatic Systems 2014 , 125-156		49
149	Dynamics and stoichiometry of nutrients and phytoplankton in waters influenced by the oxygen minimum zone in the eastern tropical Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012 , 62, 20-31	2.5	49
148	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
147	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
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	3.7	48
145	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
144	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
143	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
142	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
141	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
140	Exo-metabolome of <i>Pseudovibrio</i> sp. FO-BEG1 analyzed by ultra-high resolution mass spectrometry and the effect of phosphate limitation. <i>PLoS ONE</i> , 2014 , 9, e96038	3.7	44
139	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
138	Uncoupling of bacterial and terrigenous dissolved organic matter dynamics in decomposition experiments. <i>PLoS ONE</i> , 2014 , 9, e93945	3.7	43

137	Factors influencing the variability of Mg, Ca and K in waters of a mangrove creek in Braganã, North Brazil. <i>Mangroves and Salt Marshes</i> , 1999 , 3, 9-15		43
136	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 200-211	3.7	42
135	Mesopelagic N2 Fixation Related to Organic Matter Composition in the Solomon and Bismarck Seas (Southwest Pacific). <i>PLoS ONE</i> , 2015 , 10, e0143775	3.7	42
134	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
133	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
132	Novel insights into the molecular structure of non-volatile marine dissolved organic sulfur. <i>Marine Chemistry</i> , 2015 , 168, 86-94	3.7	40
131	Latitude and pH driven trends in the molecular composition of DOM across a north south transect along the Yenisei River. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 123, 93-105	5.5	40
130	Enhanced carbon overconsumption in response to increasing temperatures during a mesocosm experiment. <i>Biogeosciences</i> , 2012 , 9, 3531-3545	4.6	40
129	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
128	Environmental Drivers of Dissolved Organic Matter Molecular Composition in the Delaware Estuary. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	39
127	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
126	Molecular evidence for rapid dissolved organic matter turnover in Arctic fjords. <i>Marine Chemistry</i> , 2014 , 160, 1-10	3.7	37
125	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
124	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
123	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
122	Thermally altered marine dissolved organic matter in hydrothermal fluids. <i>Organic Geochemistry</i> , 2017 , 110, 73-86	3.1	35
121	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
120	Climate warming alters subsoil but not topsoil carbon dynamics in alpine grassland. <i>Global Change Biology</i> , 2019 , 25, 4383-4393	11.4	35

119	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
118	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
117	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
116	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
115	Composition and Transformation of Dissolved Organic Matter in the Baltic Sea. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	33
114	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
113	Functional Molecular Diversity of Marine Dissolved Organic Matter Is Reduced during Degradation. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	32
112	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
111	Bioavailability and molecular composition of dissolved organic matter from a diffuse hydrothermal system. <i>Marine Chemistry</i> , 2015 , 177, 257-266	3.7	31
110	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
109	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
108	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
107	Ecosystem-Specific Composition of Dissolved Organic Matter. <i>Vadose Zone Journal</i> , 2014 , 13, vzt2013.0920162	2.1	29
106	Experimental Evidence for Abiotic Sulfurization of Marine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	29
105	Fires prime terrestrial organic carbon for riverine export to the global oceans. <i>Nature Communications</i> , 2020 , 11, 2791	17.4	28
104	Seasonal and spatial variability of dissolved organic matter composition in the lower Amazon River. <i>Biogeochemistry</i> , 2016 , 131, 281-302	3.8	28
103	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
102	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

101	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
100	Molecular Determinants of Dissolved Organic Matter Reactivity in Lake Water. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	27
99	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
98	Hydrochemical processes controlling arsenic and heavy metal contamination in the Elqui river system (Chile). <i>Science of the Total Environment</i> , 2004 , 325, 193-207	10.2	27
97	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
96	Photochemical Alteration of Dissolved Organic Sulfur from Sulfidic Porewater. <i>Environmental Science & Technology</i> , 2017 , 51, 14144-14154	10.3	25
95	Production, partitioning and stoichiometry of organic matter under variable nutrient supply during mesocosm experiments in the tropical Pacific and Atlantic Ocean. <i>Biogeosciences</i> , 2012 , 9, 4629-4643	4.6	25
94	Evidence for terrigenous dissolved organic nitrogen in the Arctic deep sea. <i>Limnology and Oceanography</i> , 2004 , 49, 148-156	4.8	25
93	Mangrove inundation and nutrient dynamics from a GIS perspective. <i>Wetlands Ecology and Management</i> , 2004 , 12, 81-86	2.1	25
92	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
91	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
90	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
89	Molecular composition of dissolved organic matter in the Mediterranean Sea. <i>Limnology and Oceanography</i> , 2017 , 62, 2699-2712	4.8	23
88	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
87	Climate-driven shifts in sediment chemistry enhance methane production in northern lakes. <i>Nature Communications</i> , 2018 , 9, 1801	17.4	22
86	Acidification and warming affect prominent bacteria in two seasonal phytoplankton bloom mesocosms. <i>Environmental Microbiology</i> , 2016 , 18, 4579-4595	5.2	22
85	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
84	Microbially-Mediated Transformations of Estuarine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	21

83	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
82	ICBM-OCEAN: Processing Ultrahigh-Resolution Mass Spectrometry Data of Complex Molecular Mixtures. <i>Analytical Chemistry</i> , 2020 , 92, 6832-6838	7.8	21
81	Export of terrigenous dissolved organic matter in a broad continental shelf. <i>Limnology and Oceanography</i> , 2017 , 62, 1718-1731	4.8	20
80	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
79	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
78	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
77	Bottled aqua incognita: microbiota assembly and dissolved organic matter diversity in natural mineral waters. <i>Microbiome</i> , 2017 , 5, 126	16.6	19
76	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
75	Diversity of bacterial communities and dissolved organic matter in a temperate estuary. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	19
74	The Analysis of Amino Acids in Seawater 2009 ,		19
73	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
72	Linking optical and molecular signatures of dissolved organic matter in the Mediterranean Sea. <i>Scientific Reports</i> , 2017 , 7, 3436	4.9	18
71	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
70	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
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