

# Degradation of terrestrially derived macromolecules in

Nature Geoscience

6, 530-533

DOI: [10.1038/ngeo1817](https://doi.org/10.1038/ngeo1817)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Differentiating the degradation dynamics of algal and terrestrial carbon within complex natural dissolved organic carbon in temperate lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 963-973.	3.0	121
2	Geochemistry articles – June 2013. <i>Organic Geochemistry</i> , 2013, 62, e1-e28.	1.8	0
3	Age of riverine carbon suggests rapid export of terrestrial primary production in tropics. <i>Geophysical Research Letters</i> , 2013, 40, 5687-5691.	4.0	38
4	Increases in terrestrially derived carbon stimulate organic carbon processing and CO <sub>2</sub> emissions in boreal aquatic ecosystems. <i>Nature Communications</i> , 2013, 4, 2972.	12.8	241
5	Partial coupling and differential regulation of biologically and photochemically labile dissolved organic carbon across boreal aquatic networks. <i>Biogeosciences</i> , 2014, 11, 5969-5985.	3.3	133
6	Correlação entre qualidade da Água e variabilidade da precipitação no sul do Estado do Amapá. <i>Revista Ambiente &amp; Água</i> , 2014, 9, .	0.3	6
7	Old carbon contributes to aquatic emissions of carbon dioxide in the Amazon. <i>Biogeosciences</i> , 2014, 11, 3635-3645.	3.3	13
8	Evento extremo de chuva-vazão na bacia hidrográfica do rio Araguari, Amapá, Brasil. <i>Revista Brasileira De Meteorologia</i> , 2014, 29, 95-110.	0.5	13
9	Export, biodegradation, and disinfection byproduct formation of dissolved and particulate organic carbon in a forested headwater stream during extreme rainfall events. <i>Biogeosciences</i> , 2014, 11, 6119-6129.	3.3	26
10	Sources and distribution of organic matter in thirty five tropical estuaries along the west coast of India-a preliminary assessment. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 151, 21-33.	2.1	44
11	How important and different are tropical rivers? – An overview. <i>Geomorphology</i> , 2014, 227, 5-17.	2.6	96
12	Composition and fate of terrigenous organic matter along the Arctic land-ocean continuum in East Siberia: Insights from biomarkers and carbon isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 235-256.	3.9	92
13	Paradigm shifts in soil organic matter research affect interpretations of aquatic carbon cycling: transcending disciplinary and ecosystem boundaries. <i>Biogeochemistry</i> , 2014, 117, 279-297.	3.5	196
14	Changes in the molecular composition of organic matter leached from an agricultural topsoil following addition of biomass-derived black carbon (biochar). <i>Organic Geochemistry</i> , 2014, 69, 52-60.	1.8	36
15	Amazon River carbon dioxide outgassing fuelled by wetlands. <i>Nature</i> , 2014, 505, 395-398.	27.8	293
16	Component elements of the carbon cycle in the middle and lower Yenisei River. <i>Contemporary Problems of Ecology</i> , 2014, 7, 489-500.	0.7	4
17	The biogeochemistry of carbon across a gradient of streams and rivers within the Congo Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 687-702.	3.0	54
18	What's in an EEM? Molecular Signatures Associated with Dissolved Organic Fluorescence in Boreal Canada. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10598-10606.	10.0	292

#	ARTICLE	IF	CITATIONS
19	Effects of Molecular Composition of Natural Organic Matter on Ferric Iron Complexation at Circumneutral pH. <i>Environmental Science &amp; Technology</i> , 2014, 48, 4414-4424.	10.0	116
20	Spatial biodiversity of bacteria along the largest Arctic river determined by next-generation sequencing. <i>FEMS Microbiology Ecology</i> , 2014, 89, 442-450.	2.7	41
21	Lignin biogeochemistry: from modern processes to Quaternary archives. <i>Quaternary Science Reviews</i> , 2014, 87, 46-59.	3.0	110
22	Carbon isotopic characterisation of dissolved organic matter during water treatment. <i>Water Research</i> , 2014, 48, 119-125.	11.3	15
23	Effects of charging on the chromophores of dissolved organic matter from the Rio Negro basin. <i>Water Research</i> , 2014, 59, 154-164.	11.3	36
24	Organic matter compositions and loadings in soils and sediments along the Fly River, Papua New Guinea. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 275-296.	3.9	31
25	Modeling priming effects on microbial consumption of dissolved organic carbon in rivers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 982-995.	3.0	67
26	A coupled geochemical and biogeochemical approach to characterize the bioreactivity of dissolved organic matter from a headwater stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1520-1537.	3.0	73
27	Importance of Oceanian small mountainous rivers (SMRs) in global land-to-ocean output of lignin and modern biospheric carbon. <i>Scientific Reports</i> , 2015, 5, 16217.	3.3	29
28	Spatial and temporal variation of dissolved organic matter in the Changjiang: Fluvial transport and flux estimation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1870-1886.	3.0	38
29	Divergent biophysical controls of aquatic CO <sub>2</sub> and CH <sub>4</sub> in the World's two largest rivers. <i>Scientific Reports</i> , 2015, 5, 15614.	3.3	85
30	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
31	Hydrological pulse regulating the bacterial heterotrophic metabolism between Amazonian mainstems and floodplain lakes. <i>Frontiers in Microbiology</i> , 2015, 6, 1054.	3.5	10
32	Origins and bioavailability of dissolved organic matter in groundwater. <i>Biogeochemistry</i> , 2015, 122, 61-78.	3.5	176
33	Downstream alteration of the composition and biodegradability of particulate organic carbon in a mountainous, mixed land-use watershed. <i>Biogeochemistry</i> , 2015, 122, 79-99.	3.5	21
34	Bioavailability and molecular composition of dissolved organic matter from a diffuse hydrothermal system. <i>Marine Chemistry</i> , 2015, 177, 257-266.	2.3	48
35	Historical reconstruction of organic carbon inputs to the East China Sea inner shelf: Implications for anthropogenic activities and regional climate variability. <i>Holocene</i> , 2015, 25, 1869-1881.	1.7	24
36	Characterization and photodegradation of dissolved organic matter (DOM) from a tropical lake and its dominant primary producer, the cyanobacteria <i>Microcystis aeruginosa</i> . <i>Marine Chemistry</i> , 2015, 177, 205-217.	2.3	61

#	ARTICLE	IF	CITATIONS
37	Landscape Control on the Spatial and Temporal Variability of Chromophoric Dissolved Organic Matter and Dissolved Organic Carbon in Large African Rivers. <i>Ecosystems</i> , 2015, 18, 1224-1239.	3.4	57
38	Chemical composition of dissolved organic matter draining permafrost soils. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 167, 63-79.	3.9	88
39	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13798-13806.	10.0	166
40	The compositional evolution of dissolved and particulate organic matter along the lower Amazon River—A bidos to the ocean. <i>Marine Chemistry</i> , 2015, 177, 244-256.	2.3	73
41	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
42	Quantification of refractory organic material in Amazon mudbanks of the French Guiana Coast. <i>Marine Geology</i> , 2015, 363, 93-101.	2.1	11
43	Longitudinal shifts in dissolved organic matter chemogeography and chemodiversity within headwater streams: a river continuum reprise. <i>Biogeochemistry</i> , 2015, 124, 371-385.	3.5	60
44	Differences in organic matter and bacterioplankton between sections of the largest Arctic river: Mosaic or continuum?. <i>Limnology and Oceanography</i> , 2015, 60, 1314-1331.	3.1	37
45	Spatial patterns in CO <sub>2</sub> evasion from the global river network. <i>Global Biogeochemical Cycles</i> , 2015, 29, 534-554.	4.9	223
46	Metagenomic and metatranscriptomic inventories of the lower Amazon River, May 2011. <i>Microbiome</i> , 2015, 3, 39.	11.1	47
47	Sources of and processes controlling CO <sub>2</sub> emissions change with the size of streams and rivers. <i>Nature Geoscience</i> , 2015, 8, 696-699.	12.9	430
48	Microbial degradation of terrigenous dissolved organic matter and potential consequences for carbon cycling in brown-water streams. <i>Scientific Reports</i> , 2014, 4, 4981.	3.3	165
49	Riverine DOM. , 2015, , 509-533.		95
50	Shift in the chemical composition of dissolved organic matter in the Congo River network. <i>Biogeosciences</i> , 2016, 13, 5405-5420.	3.3	85
51	Along-stream transport and transformation of dissolved organic matter in a large tropical river. <i>Biogeosciences</i> , 2016, 13, 2727-2741.	3.3	66
52	Spatial and seasonal contrasts of sedimentary organic matter in floodplain lakes of the central Amazon basin. <i>Biogeosciences</i> , 2016, 13, 467-482.	3.3	10
53	Chemodiversity of dissolved organic matter in the Amazon Basin. <i>Biogeosciences</i> , 2016, 13, 4279-4290.	3.3	53
54	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	96

#	ARTICLE	IF	CITATIONS
55	Environmental Drivers of Dissolved Organic Matter Molecular Composition in the Delaware Estuary. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	65
56	Sources and Transformations of Dissolved Lignin Phenols and Chromophoric Dissolved Organic Matter in Otsuchi Bay, Japan. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	28
57	Dissolved Organic and Inorganic Carbon Flow Paths in an Amazonian Transitional Forest. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	17
58	Contrasting composition of terrigenous organic matter in the dissolved, particulate and sedimentary organic carbon pools on the outer East Siberian Arctic Shelf. <i>Biogeosciences</i> , 2016, 13, 6121-6138.	3.3	19
59	The reactivity of plant-derived organic matter and the potential importance of priming effects along the lower Amazon River. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1522-1539.	3.0	94
60	Environmental DNA reveals that rivers are conveyor belts of biodiversity information. <i>Nature Communications</i> , 2016, 7, 12544.	12.8	415
61	Uptake of ammonium and soluble reactive phosphorus in forested streams: influence of dissolved organic matter composition. <i>Biogeochemistry</i> , 2016, 131, 355-372.	3.5	5
62	Uniform carbon fluxes in shallow lakes in alternative stable states. <i>Limnology and Oceanography</i> , 2016, 61, 330-340.	3.1	17
63	Carbon dynamics and their link to dissolved organic matter quality across contrasting stream ecosystems. <i>Science of the Total Environment</i> , 2016, 553, 574-586.	8.0	75
64	Proposed Guidelines for Solid Phase Extraction of Suwannee River Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2016, 88, 6680-6688.	6.5	118
65	Geochemistry of Dissolved Organic Matter in a Spatially Highly Resolved Groundwater Petroleum Hydrocarbon Plume Cross-Section. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5536-5546.	10.0	55
66	Molecular diversity of riverine alkaline-extractable sediment organic matter and its linkages with spectral indicators and molecular size distributions. <i>Water Research</i> , 2016, 100, 222-231.	11.3	56
67	Seasonal dynamics of dissolved, particulate and microbial components of a tidal saltmarsh-dominated estuary under contrasting levels of freshwater discharge. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 182, 72-85.	2.1	47
68	Optical characterization of dissolved organic matter in the Amazon River plume and the Adjacent Ocean: Examining the relative role of mixing, photochemistry, and microbial alterations. <i>Marine Chemistry</i> , 2016, 186, 178-188.	2.3	35
69	Origin, transport and deposition of leaf-wax biomarkers in the Amazon Basin and the adjacent Atlantic. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 192, 149-165.	3.9	40
70	Seasonal and spatial variability of dissolved organic matter composition in the lower Amazon River. <i>Biogeochemistry</i> , 2016, 131, 281-302.	3.5	40
71	Decoupling of carbon dioxide and dissolved organic carbon in boreal headwater streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2630-2651.	3.0	49
72	Aquatic Ecosystems. <i>Ecological Studies</i> , 2016, , 119-148.	1.2	25

#	ARTICLE	IF	CITATIONS
73	Dissolved Organic Matter in Stream Ecosystems. , 2016, , 241-320.		22
74	Dynamic biogeochemical controls on river pCO <sub>2</sub> and recent changes under aggravating river impoundment: An example of the subtropical Yangtze River. <i>Global Biogeochemical Cycles</i> , 2016, 30, 880-897.	4.9	55
75	Fungal decomposition of terrestrial organic matter accelerated Early Jurassic climate warming. <i>Scientific Reports</i> , 2016, 6, 31930.	3.3	47
76	Source to sink: Evolution of lignin composition in the Madre de Dios River system with connection to the Amazon basin and offshore. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1316-1338.	3.0	39
77	Aquatic carbon cycling in the conterminous United States and implications for terrestrial carbon accounting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 58-63.	7.1	175
78	The size distribution of organic carbon in headwater streams in the Amazon basin. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11461-11470.	5.3	4
79	Characterization of dissolved organic material in the interstitial brine of Lake Vida, Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 63-78.	3.9	19
80	Increases in humic and bioavailable dissolved organic matter in a forested New England headwater stream with increasing discharge. <i>Marine and Freshwater Research</i> , 2016, 67, 1279.	1.3	26
81	Carbon accumulation in Amazonian floodplain lakes: A significant component of Amazon budgets?. <i>Limnology and Oceanography Letters</i> , 2017, 2, 29-35.	3.9	26
82	Short organic carbon turnover time and narrow <sup>14</sup> C age spectra in early Holocene wetland paleosols. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 142-155.	2.5	9
83	Extreme floods increase CO <sub>2</sub> outgassing from a large Amazonian river. <i>Limnology and Oceanography</i> , 2017, 62, 989-999.	3.1	37
84	Metagenome Sequencing of Prokaryotic Microbiota Collected from Rivers in the Upper Amazon Basin. <i>Genome Announcements</i> , 2017, 5, .	0.8	29
85	The experimental flow to the Colorado River delta: Effects on carbon mobilization in a dry watercourse. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 607-627.	3.0	9
86	Spatial variations in the molecular diversity of dissolved organic matter in water moving through a boreal forest in eastern Finland. <i>Scientific Reports</i> , 2017, 7, 42102.	3.3	24
87	Photobleaching alters the photochemical and biological reactivity of humic acid towards 17 $\beta$ -ethynylestradiol. <i>Environmental Pollution</i> , 2017, 220, 1386-1393.	7.5	22
88	Soil and biomass carbon re-accumulation after landslide disturbances. <i>Geomorphology</i> , 2017, 288, 164-174.	2.6	24
89	How representative are dissolved organic matter (DOM) extracts? A comprehensive study of sorbent selectivity for DOM isolation. <i>Water Research</i> , 2017, 116, 316-323.	11.3	98
90	Shifts in the carbon dynamics in a tropical lowland river system (Tana River, Kenya) during flooded and non-flooded conditions. <i>Biogeochemistry</i> , 2017, 132, 141-163.	3.5	19

#	ARTICLE	IF	CITATIONS
91	Molecular Insights on Dissolved Organic Matter Transformation by Supraglacial Microbial Communities. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4328-4337.	10.0	74
92	Utilizing pyrolysis GC-MS to characterize organic matter quality in relation to methane production in a thermokarst lake sediment core. <i>Organic Geochemistry</i> , 2017, 103, 43-50.	1.8	8
93	Global synthesis of the temperature sensitivity of leaf litter breakdown in streams and rivers. <i>Global Change Biology</i> , 2017, 23, 3064-3075.	9.5	103
94	Insights into natural organic matter and pesticide characterisation and distribution in the Rhone River. <i>Environmental Chemistry</i> , 2017, 14, 64.	1.5	16
95	Fungal bacterial dynamics and their contribution to terrigenous carbon turnover in relation to organic matter quality. <i>ISME Journal</i> , 2017, 11, 415-425.	9.8	118
96	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
97	Photochemical alteration of organic carbon draining permafrost soils shifts microbial metabolic pathways and stimulates respiration. <i>Nature Communications</i> , 2017, 8, 772.	12.8	112
98	Origins and transformations of dissolved organic matter in large Arctic rivers. <i>Scientific Reports</i> , 2017, 7, 13064.	3.3	74
99	Sources and compositional distribution of organic carbon in surface sediments from the lower Pearl River to the coastal South China Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2104-2117.	3.0	28
100	Fluvial organic carbon composition and concentration variability within a peatland catchment—Implications for carbon cycling and water treatment. <i>Hydrological Processes</i> , 2017, 31, 4183-4194.	2.6	6
101	Selectivity of solid phase extraction for dissolved organic matter in the hypersaline Da Qaidam Lake, China. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1374-1386.	3.5	8
102	Hydrodynamics and seed dispersal in the lower Amazon. <i>Freshwater Biology</i> , 2017, 62, 1721-1729.	2.4	17
103	Photochemical Alteration of Dissolved Organic Sulfur from Sulfidic Porewater. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14144-14154.	10.0	38
104	Virioplankton Assemblage Structure in the Lower River and Ocean Continuum of the Amazon. <i>MSphere</i> , 2017, 2, .	2.9	10
105	Irrigation as a fuel pump to freshwater ecosystems. <i>Biogeochemistry</i> , 2017, 136, 71-90.	3.5	5
106	Photochemical generation and decay kinetics of superoxide and hydrogen peroxide in the presence of standard humic and fulvic acids. <i>Water Research</i> , 2017, 123, 642-654.	11.3	40
107	A new approach for evaluating transformations of dissolved organic matter (DOM) via high-resolution mass spectrometry and relating it to bacterial activity. <i>Water Research</i> , 2017, 123, 513-523.	11.3	52
108	Using liquid chromatography isotope ratio mass spectrometry to measure the $\delta^{13}\text{C}$ of dissolved inorganic carbon photochemically produced from dissolved organic carbon. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 103-115.	2.0	9

#	ARTICLE	IF	CITATIONS
109	ORCHILEAK (revision 3875): a new model branch to simulate carbon transfers along the terrestrial-aquatic continuum of the Amazon basin. <i>Geoscientific Model Development</i> , 2017, 10, 3821-3859.	3.6	40
110	A systematic examination of the relationships between CDOM and DOC in inland waters in China. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5127-5141.	4.9	28
111	Molecular Determinants of Dissolved Organic Matter Reactivity in Lake Water. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	58
112	Impact of Wetland Decline on Decreasing Dissolved Organic Carbon Concentrations along the Mississippi River Continuum. <i>Frontiers in Marine Science</i> , 2017, 3, .	2.5	21
113	Where Carbon Goes When Water Flows: Carbon Cycling across the Aquatic Continuum. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	197
114	Evaluation of Primary Production in the Lower Amazon River Based on a Dissolved Oxygen Stable Isotopic Mass Balance. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	15
115	Influence of Major Storm Events on the Quantity and Composition of Particulate Organic Matter and the Phytoplankton Community in a Subtropical Estuary, Texas. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	16
116	Carbon Dioxide Emissions along the Lower Amazon River. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	100
117	Patterns of Bacterial and Archaeal Gene Expression through the Lower Amazon River. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	14
118	Bacterial Biogeography across the Amazon River-Ocean Continuum. <i>Frontiers in Microbiology</i> , 2017, 8, 882.	3.5	75
119	Bottled aqua incognita: microbiota assembly and dissolved organic matter diversity in natural mineral waters. <i>Microbiome</i> , 2017, 5, 126.	11.1	26
121	Qualidade da Água e Índice tráfico em rio de ecossistema tropical sob impacto ambiental. <i>Engenharia Sanitaria E Ambiental</i> , 2017, 22, 45-56.	0.5	8
122	Origin and processing of terrestrial organic carbon in the Amazon system: lignin phenols in river, shelf, and fan sediments. <i>Biogeosciences</i> , 2017, 14, 2495-2512.	3.3	19
123	Photochemical Mineralization of Terrigenous DOC to Dissolved Inorganic Carbon in Ocean. <i>Global Biogeochemical Cycles</i> , 2018, 32, 250-266.	4.9	30
124	The Ephemeral Signature of Permafrost Carbon in an Arctic Fluvial Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1475-1485.	3.0	53
125	Organic matter bioavailability in tropical coastal waters: The Great Barrier Reef. <i>Limnology and Oceanography</i> , 2018, 63, 1015-1035.	3.1	40
126	Velocity-amplified microbial respiration rates in the lower Amazon River. <i>Limnology and Oceanography Letters</i> , 2018, 3, 265-274.	3.9	31
127	A rapid and sensitive method for the analysis of lignin phenols in environmental samples using ultra-high performance liquid chromatography-electrospray ionization-tandem mass spectrometry with multiple reaction monitoring. <i>Analytica Chimica Acta</i> , 2018, 1023, 74-80.	5.4	15



#	ARTICLE	IF	CITATIONS
128	Interactions between sunlight and microorganisms influence dissolved organic matter degradation along the aquatic continuum. <i>Limnology and Oceanography Letters</i> , 2018, 3, 102-116.	3.9	137
129	Sunlight irradiation triggers changes in the fouling potentials of natural dissolved organic matter. <i>Science of the Total Environment</i> , 2018, 627, 227-234.	8.0	7
130	Going with the flow: Planktonic processing of dissolved organic carbon in streams. <i>Science of the Total Environment</i> , 2018, 625, 519-530.	8.0	10
131	Influence of plankton metabolism and mixing depth on CO <sub>2</sub> dynamics in an Amazon floodplain lake. <i>Science of the Total Environment</i> , 2018, 630, 1381-1393.	8.0	36
132	Spatial-temporal variations of dissolved organic nitrogen molecular composition in agricultural runoff water. <i>Water Research</i> , 2018, 137, 375-383.	11.3	26
133	Role of Soil Erosion in Biogeochemical Cycling of Essential Elements: Carbon, Nitrogen, and Phosphorus. <i>Annual Review of Earth and Planetary Sciences</i> , 2018, 46, 521-548.	11.0	184
134	Lipoxygenase-induced autoxidative degradation of terrestrial particulate organic matter in estuaries: A widespread process enhanced at high and low latitude. <i>Organic Geochemistry</i> , 2018, 115, 78-92.	1.8	22
135	Temporal variability in composition and fluxes of Yellow River particulate organic matter. <i>Limnology and Oceanography</i> , 2018, 63, S119.	3.1	27
136	Effect of silver sulfide nanoparticles on photochemical degradation of dissolved organic matter in surface water. <i>Chemosphere</i> , 2018, 193, 1113-1119.	8.2	11
137	Evidence for major input of riverine organic matter into the ocean. <i>Organic Geochemistry</i> , 2018, 116, 62-76.	1.8	33
138	Distribution and cycling of terrigenous dissolved organic carbon in peatland-draining rivers and coastal waters of Sarawak, Borneo. <i>Biogeosciences</i> , 2018, 15, 6847-6865.	3.3	46
139	Lignin Dimers as Potential Markers for <sup>14</sup> C-young Terrestrial Dissolved Organic Matter in the Critical Zone. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	9
140	Photo-biochemical transformation of dissolved organic matter on the surface of the coastal East Antarctic ice sheet. <i>Biogeochemistry</i> , 2018, 141, 229-247.	3.5	21
141	An Assessment of Dissolved Organic Carbon Biodegradability and Priming in Blackwater Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2998-3015.	3.0	31
142	Using CDOM optical properties for estimating DOC concentrations and pCO <sub>2</sub> in the Lower Amazon River. <i>Optics Express</i> , 2018, 26, A657.	3.4	35
143	Enrichment of Bacteria From Eastern Mediterranean Sea Involved in Lignin Degradation via the Phenylacetyl-CoA Pathway. <i>Frontiers in Microbiology</i> , 2018, 9, 922.	3.5	22
144	Natural Regeneration Dynamics of <i>Mora paraensis</i> (Ducke) Ducke in Estuarine Floodplain Forests of the Amazon River. <i>Forests</i> , 2018, 9, 54.	2.1	4
145	Integrated biogeography of planktonic and sedimentary bacterial communities in the Yangtze River. <i>Microbiome</i> , 2018, 6, 16.	11.1	208

#	ARTICLE	IF	CITATIONS
146	Climate Variability Controls on CO <sub>2</sub> Consumption Fluxes and Carbon Dynamics for Monsoonal Rivers: Evidence From Xijiang River, Southwest China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2553-2567.	3.0	58
147	Universal molecular structures in natural dissolved organic matter. <i>Nature Communications</i> , 2018, 9, 3178.	12.8	213
148	Seasonal Trends in Surface pCO <sub>2</sub> and Air-Sea CO <sub>2</sub> Fluxes in Apalachicola Bay, Florida, From VIIRS Ocean Color. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2466-2484.	3.0	9
149	Mechanisms controlling dissolved CO <sub>2</sub> over-saturation in the Three Gorges Reservoir area. <i>Inland Waters</i> , 2018, 8, 148-156.	2.2	9
150	Fractionation and molecular characterization of natural organic matter (NOM) by solid-phase extraction followed by FT-ICR MS and ion mobility MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6343-6352.	3.7	14
151	Carbon dioxide (CO <sub>2</sub> ) concentrations and emission in the newly constructed Belo Monte hydropower complex in the Xingu River, Amazonia. <i>Biogeosciences</i> , 2019, 16, 3527-3542.	3.3	13
152	Spatial gradients in the characteristics of soil-carbon fractions are associated with abiotic features but not microbial communities. <i>Biogeosciences</i> , 2019, 16, 3911-3928.	3.3	19
153	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
154	Compositional Characteristics of Fluvial Particulate Organic Matter Exported From the World's Largest Alpine Wetland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2709-2727.	3.0	3
155	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
156	Enhanced mineralization of sedimentary organic carbon induced by excess carbon from phytoplankton in a eutrophic plateau lake. <i>Journal of Soils and Sediments</i> , 2019, 19, 2613-2623.	3.0	17
157	Influence of hydrological flows from tropical watersheds on the dynamics of Cu and Zn in sediments. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 86.	2.7	12
158	Dissolved Organic Matter Composition in a Marsh-Dominated Estuary: Response to Seasonal Forcing and to the Passage of a Hurricane. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1545-1559.	3.0	23
159	Enhanced Aquatic Respiration Associated With Mixing of Clearwater Tributary and Turbid Amazon River Waters. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	17
160	Synergistic effects of urban tributary mixing on dissolved organic matter biodegradation in an impounded river system. <i>Science of the Total Environment</i> , 2019, 676, 105-119.	8.0	25
161	Carbon isotopic and biochemical fingerprints of sedimentary organic matter in lower Narmada and Tapi rivers, north-west coast of India. <i>Chemistry and Ecology</i> , 2019, 35, 537-552.	1.6	2
162	The Contribution of Coniferous Canopy to the Molecular Diversity of Dissolved Organic Matter in Rainfall. <i>Water (Switzerland)</i> , 2019, 11, 167.	2.7	3
163	Seasonal and spatial variability of CO <sub>2</sub> in aquatic environments of the central lowland Amazon basin. <i>Biogeochemistry</i> , 2019, 143, 133-149.	3.5	11

#	ARTICLE	IF	CITATIONS
164	Sources and variability of CO <sub>2</sub> in a prealpine stream gravel bar. <i>Hydrological Processes</i> , 2019, 33, 2279-2299.	2.6	10
165	Characterization of the Interactive Effects of Labile and Recalcitrant Organic Matter on Microbial Growth and Metabolism. <i>Frontiers in Microbiology</i> , 2019, 10, 493.	3.5	11
166	Ideas and perspectives: Carbon leaks from flooded land: do we need to replumb the inland water active pipe?. <i>Biogeosciences</i> , 2019, 16, 769-784.	3.3	63
167	Antecedent precipitation influences the bacterial processing of terrestrial dissolved organic matter in a North Carolina estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 221, 119-131.	2.1	20
168	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
169	Distribution and degradation of terrestrial organic matter in the sediments of peat-draining rivers, Sarawak, Malaysian Borneo. <i>Biogeosciences</i> , 2019, 16, 4517-4533.	3.3	17
170	Optical and molecular signatures of dissolved organic matter in Xiangxi Bay and mainstream of Three Gorges Reservoir, China: Spatial variations and environmental implications. <i>Science of the Total Environment</i> , 2019, 657, 1274-1284.	8.0	95
171	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. <i>Science Advances</i> , 2019, 5, eaav0486.	10.3	133
172	Effects of zooplankton carcasses degradation on freshwater bacterial community composition and implications for carbon cycling. <i>Environmental Microbiology</i> , 2019, 21, 34-49.	3.8	11
173	Delineating the Continuum of Dissolved Organic Matter in Temperate River Networks. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006495.	4.9	29
174	Bioavailability and compositional changes of dissolved organic matter in urban headwaters. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	11
175	Unraveling bacteria-mediated degradation of lignin-derived aromatic compounds in a freshwater environment. <i>Science of the Total Environment</i> , 2020, 749, 141236.	8.0	22
176	Effect of straw-derived dissolved organic matter on the adsorption of sulfamethoxazole to purple paddy soils. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110990.	6.0	24
177	Niche specificity and potential terrestrial organic carbon utilization of benthic Bathyarchaeota in a eutrophic subtropic estuarine system. <i>Chemical Geology</i> , 2020, 556, 119839.	3.3	10
178	Uncovering the genomic potential of the Amazon River microbiome to degrade rainforest organic matter. <i>Microbiome</i> , 2020, 8, 151.	11.1	18
179	Potential utilization of terrestrially derived dissolved organic matter by aquatic microbial communities in saline lakes. <i>ISME Journal</i> , 2020, 14, 2313-2324.	9.8	64
180	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , 2020, 10, 8722.	3.3	41
181	Experimental metatranscriptomics reveals the costs and benefits of dissolved organic matter photoalteration for freshwater microbes. <i>Environmental Microbiology</i> , 2020, 22, 3505-3521.	3.8	21

#	ARTICLE	IF	CITATIONS
182	Time resolved data unveils the complex DOM dynamics in a Mediterranean river. <i>Science of the Total Environment</i> , 2020, 733, 139212.	8.0	24
183	Contributions to Lignomics: Stochastic Generation of Oligomeric Lignin Structures for Interpretation of MALDI-FT-ICR-MS Results. <i>ChemSusChem</i> , 2020, 13, 4428-4445.	6.8	25
184	Hydrodynamic Modeling and Simulation of Water Residence Time in the Estuary of the Lower Amazon River. <i>Water (Switzerland)</i> , 2020, 12, 660.	2.7	18
185	Impacts of Global Change on Ocean Dissolved Organic Carbon (DOC) Cycling. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	91
186	Carbon Dioxide Fluxes to the Atmosphere From Waters Within Flooded Forests in the Amazon Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005293.	3.0	20
187	Freezing-Induced Bromate Reduction by Dissolved Organic Matter and the Formation of Organobromine Compounds. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1668-1676.	10.0	29
188	Hydrological regulation of chemical weathering and dissolved inorganic carbon biogeochemical processes in a monsoonal river. <i>Hydrological Processes</i> , 2020, 34, 2780-2792.	2.6	14
189	Microbial uptake of nitrogen and carbon from the water column by litter-associated microbes differs among litter species. <i>Limnology and Oceanography</i> , 2020, 65, 1891-1902.	3.1	7
190	New insights into mechanisms of sunlight- and dark-mediated high-temperature accelerated diurnal production-degradation of fluorescent DOM in lake waters. <i>Science of the Total Environment</i> , 2021, 760, 143377.	8.0	19
191	A lipid biomarker investigation of the sources and distribution of organic matter in river-influenced shelf sediments of NE Brazil. <i>Organic Geochemistry</i> , 2021, 151, 104162.	1.8	3
192	Small streams dominate US tidal reaches and will be disproportionately impacted by sea-level rise. <i>Science of the Total Environment</i> , 2021, 753, 141944.	8.0	7
193	Linking the unique molecular complexity of dissolved organic matter to flood period in the Yangtze River mainstream. <i>Science of the Total Environment</i> , 2021, 764, 142803.	8.0	38
194	Anaerobic and aerobic biodegradation of soil-extracted dissolved organic matter from the water-level-fluctuation zone of the Three Gorges Reservoir region, China. <i>Science of the Total Environment</i> , 2021, 764, 142857.	8.0	20
195	CO <sub>2</sub> partial pressure and fluxes in the Amazon River plume using in situ and remote sensing data. <i>Continental Shelf Research</i> , 2021, 215, 104348.	1.8	14
196	A model of algal organic carbon distributions in the Pearl River estuary using the amino acid carbon isotope values. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 294, 1-12.	3.9	2
197	Ecosystem metabolism in tropical streams and rivers: a review and synthesis. <i>Limnology and Oceanography</i> , 2021, 66, 1627-1638.	3.1	9
198	Carbon and Beyond: The Biogeochemistry of Climate in a Rapidly Changing Amazon. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	21
199	Fungal decomposition of river organic matter accelerated by decreasing glacier cover. <i>Nature Climate Change</i> , 2021, 11, 349-353.	18.8	17

#	ARTICLE	IF	CITATIONS
200	Rapid soil organic carbon decomposition in river systems: effects of the aquatic microbial community and hydrodynamical disturbance. <i>Biogeosciences</i> , 2021, 18, 1511-1523.	3.3	3
201	Eutrophication alters bacterial co-occurrence networks and increases the importance of chromophoric dissolved organic matter composition. <i>Limnology and Oceanography</i> , 2021, 66, 2319-2332.	3.1	35
202	Characterizing Dissolved Organic Matter Across a Riparian Soil-Water Interface: Preliminary Insights from a Molecular Level Perspective. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1102-1113.	2.7	14
203	What Is Refractory Organic Matter in the Ocean?. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	31
204	A multiproxy approach to characterize the sedimentation of organic carbon in the Amazon continental shelf. <i>Marine Chemistry</i> , 2021, 232, 103961.	2.3	9
205	Degradation of ester linkages in rice straw components by <i>Sphingobium</i> species recovered from the sea bottom using a non-secretory tannase family $\beta$ -glucosidase. <i>Environmental Microbiology</i> , 2021, 23, 4151-4167.	3.8	0
206	Temporal Variability of Air-Sea CO <sub>2</sub> flux in the Western Tropical North Atlantic Influenced by the Amazon River Plume. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006798.	4.9	6
207	The optical and molecular signatures of DOM under the eutrophication status in a shallow, semi-enclosed coastal bay in southeast China. <i>Science China Earth Sciences</i> , 2021, 64, 1090-1104.	5.2	13
208	Low Biodegradability of Dissolved Organic Matter From Southeast Asian Peat-Draining Rivers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006182.	3.0	13
209	Spatio-temporal changes in dissolved organic matter composition along the salinity gradient of a marsh-influenced estuarine complex. <i>Limnology and Oceanography</i> , 2021, 66, 3040-3054.	3.1	11
210	Drivers of Organic Molecular Signatures in the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006938.	4.9	12
211	Wastewater-boosted biodegradation amplifying seasonal variations of pCO <sub>2</sub> in the Mekong-Tonle Sap river system. <i>Biogeochemistry</i> , 2021, 155, 219-235.	3.5	9
212	Extensive Remineralization of Peatland-Derived Dissolved Organic Carbon and Ocean Acidification in the Sunda Shelf Sea, Southeast Asia. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017292.	2.6	15
213	Modeling pollutant dispersion scenarios in high vessel-traffic areas of the Lower Amazon River. <i>Marine Pollution Bulletin</i> , 2021, 168, 112404.	5.0	16
214	Contribution of meandering rivers to natural carbon fluxes: Evidence from the Ucayali River, Peruvian Amazonia. <i>Science of the Total Environment</i> , 2021, 776, 146056.	8.0	10
215	Mechanically robust, solar-driven, and degradable lignin-based polyurethane adsorbent for efficient crude oil spill remediation. <i>Chemical Engineering Journal</i> , 2021, 415, 128956.	12.7	83
217	Inundation, Hydrodynamics and Vegetation Influence Carbon Dioxide Concentrations in Amazon Floodplain Lakes. <i>Ecosystems</i> , 2022, 25, 911-930.	3.4	9
218	Ag immobilized lignin-based PU coating: A promising candidate to promote the mechanical properties, thermal stability, and antibacterial property of paper packaging. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 690-697.	7.5	11

#	ARTICLE	IF	CITATIONS
219	Effects of stream ecosystem metabolisms on CO <sub>2</sub> emissions in two headwater catchments, Southeastern China. <i>Ecological Indicators</i> , 2021, 130, 108136.	6.3	6
220	Nutrient cycling in tropical and temperate coastal waters: Is latitude making a difference?. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 262, 107571.	2.1	19
221	Evolution of the Dissolved Organic Matter Composition along the Upper Mekong (Lancang) River. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 319-330.	2.7	16
222	Remote Sensing of Water in Wetlands: Inundation Patterns and Extent. , 2016, , 1-9.		1
223	Molecular composition and spatial distribution of dissolved organic matter (DOM) in the Pearl River Estuary, China. <i>Environmental Chemistry</i> , 2020, 17, 240.	1.5	42
226	Revisão Descritiva Sobre Qualidade da Água, Parâmetros e Modelagem de Ecossistemas Aquáticos Tropicais. <i>Biota Amazônia</i> , 2013, 3, 124-143.	0.2	8
231	Microbial population genomes from the Amazon River reveal possible modulation of the organic matter degradation process in tropical freshwaters. <i>Molecular Ecology</i> , 2022, 31, 206-219.	3.9	2
232	Molecular chemodiversity of water-soluble organic matter in atmospheric particulate matter and their associations with atmospheric conditions. <i>Science of the Total Environment</i> , 2022, 809, 151171.	8.0	6
233	Biological Formation of Organic Substances from Particulate Organic Matter. <i>Canadian Chemical Transactions</i> , 0, , 195-198.	0.1	0
235	Remote Sensing of Water in Wetlands: Inundation Patterns and Extent. , 2018, , 1609-1617.		0
239	Do Indus Delta mangroves and Indus River contribute to organic carbon in deltaic creeks and coastal waters (Northwest Indian Ocean, Pakistan)?. <i>Continental Shelf Research</i> , 2021, 231, 104601.	1.8	3
240	Improving Predictions of Stream CO <sub>2</sub> Concentrations and Fluxes Using a Stream Network Model: A Case Study in the East River Watershed, CO, USA. <i>Global Biogeochemical Cycles</i> , 2021, 35, .	4.9	10
241	Collateral implications of carbon and metal pollution on carbon dioxide emission at land-water interface of the Ganga River. <i>Environmental Science and Pollution Research</i> , 2022, 29, 24203-24218.	5.3	2
242	Interactions of anthropogenic and terrestrial sources drive the varying trends in molecular chemodiversity profiles of DOM in urban storm runoff, compared to land use patterns. <i>Science of the Total Environment</i> , 2022, 817, 152990.	8.0	5
243	Source tracking of dissolved organic nitrogen at the molecular level during storm events in an agricultural watershed. <i>Science of the Total Environment</i> , 2022, 810, 152183.	8.0	19
244	Solid waste generation indicators, per capita, in Amazonian countries. <i>Environmental Science and Pollution Research</i> , 2022, 29, 33138-33151.	5.3	4
245	Degradable Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Nanosheets Containing a Lignin Polyurethane Photothermal Foam (LPUF) for Rapid Crude Oil Cleanup. <i>ACS Applied Nano Materials</i> , 2022, 5, 2848-2858.	5.0	36
249	Seasonal variation in the coupling of microbial activity and leaf litter decomposition in a boreal stream network. <i>Freshwater Biology</i> , 2022, 67, 812-827.	2.4	3

#	ARTICLE	IF	CITATIONS
250	Molecular composition of dissolved organic matter in saline lakes of the Qing-Tibetan Plateau. <i>Organic Geochemistry</i> , 2022, 167, 104400.	1.8	12
251	Global Controls on DOC Reaction Versus Export in Watersheds: A Damköhler Number Analysis. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	11
252	Unraveling microbe-mediated degradation of lignin and lignin-derived aromatic fragments in the Pearl River Estuary sediments. <i>Chemosphere</i> , 2022, 296, 133995.	8.2	2
259	Molecular characterization of dissolved organic nitrogen and phosphorus in agricultural runoff and surface waters. <i>Water Research</i> , 2022, 219, 118533.	11.3	27
260	Challenges Regionalizing Methane Emissions Using Aquatic Environments in the Amazon Basin as Examples. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	4
261	Organic Molecular Signatures of the Congo River and Comparison to the Amazon. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	14
262	Globally, Freshwater Ecosystems Emit More CO <sub>2</sub> Than the Burning of Fossil Fuels. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	1
263	High stability of autochthonous dissolved organic matter in karst aquatic ecosystems: Evidence from fluorescence. <i>Water Research</i> , 2022, 220, 118723.	11.3	20
264	Size-Resolved Fluorescence Underscores Negligible Interaction of Dissolved Organic Matter During Conservative Mixing in a Large Boreal River. <i>Frontiers in Environmental Chemistry</i> , 0, 3, .	1.6	1
265	Transformation of dissolved organic matter in landfill leachate during a membrane bioreactor treatment. <i>Science of the Total Environment</i> , 2023, 856, 159066.	8.0	15
266	Molecular level characterization of DOM along a freshwater-to-estuarine coastal gradient in the Florida Everglades. <i>Aquatic Sciences</i> , 2022, 84, .	1.5	0
267	Net Primary Productivity Changes of Landslides Induced by the 2008 Wenchuan Earthquake. <i>Land Degradation and Development</i> , 0, , .	3.9	1
268	Optical and molecular indices of dissolved organic matter for estimating biodegradability and resulting carbon dioxide production in inland waters: A review. <i>Water Research</i> , 2023, 228, 119362.	11.3	16
269	Experimentation, modelling, and simulation of hydrochory in an Amazonian river. <i>Freshwater Biology</i> , 0, , .	2.4	1
270	Hydrodynamic and geochemical controls on soil carbon mineralization upon entry into aquatic systems. <i>Water Research</i> , 2023, 229, 119499.	11.3	2
271	Contribution of riverine dissolved organic carbon to organic carbon decomposition in the Ariake Sea, Japan, a coastal area suffering from summer hypoxia. <i>Aquatic Sciences</i> , 2023, 85, .	1.5	4
272	Vulnerability of biological resources to potential oil spills in the Lower Amazon River, Amapá, Brazil. <i>Environmental Science and Pollution Research</i> , 2023, 30, 35430-35449.	5.3	3
273	Positive and negative effects of recirculating aquaculture water advanced oxidation: O <sub>3</sub> and O <sub>3</sub> /UV treatments improved water quality but increased antibiotic resistance genes. <i>Water Research</i> , 2023, 235, 119835.	11.3	12

#	ARTICLE	IF	CITATIONS
275	Global Riverine Export of Dissolved Lignin Constrained by Hydrology, Geomorphology, and Landâ€Cover. <i>Global Biogeochemical Cycles</i> , 2023, 37, .	4.9	3
276	Spatiotemporal characterization of heavy metal and antibiotics in the Pearl River Basin and pollutants removal assessment using invasive species-derived biochars. <i>Journal of Hazardous Materials</i> , 2023, 454, 131409.	12.4	7
277	Unraveling the Linkages between Molecular Abundance and Stable Carbon Isotope Ratio in Dissolved Organic Matter Using Machine Learning. <i>Environmental Science &amp; Technology</i> , 2023, 57, 17900-17909.	10.0	6
278	Tracking the sources of dissolved organic matter under bio-Âand photo-transformation conditions using fluorescence spectrum-based machine learning techniques. <i>Environmental Technology and Innovation</i> , 2023, 31, 103179.	6.1	3
279	Seasonal variations of dissolved organic matter chemistry in a semi-enclosed and eutrophic coastal bay in southeastern China: Implications for carbon cycling. <i>Journal of Hydrology</i> , 2023, 622, 129679.	5.4	3
280	Composition and Flux of Dissolved and Particulate Carbon and Nitrogen in the Lower Tocantins River. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	3.0	0
281	Photo-produced aromatic compounds stimulate microbial degradation of dissolved organic carbon in thermokarst lakes. <i>Nature Communications</i> , 2023, 14, .	12.8	9
282	Downstream carbon transport and surface CO2 evasion in the Hanjiang River Network and their implications for regional carbon budget. <i>Science of the Total Environment</i> , 2023, 884, 163839.	8.0	1
283	Terrigenous organic carbon contributes to reservoir carbon emissions: Potential role of the microbial community along a trophic gradient. <i>Journal of Hydrology</i> , 2023, 621, 129601.	5.4	0
284	Will various interpretation strategies of the same ultrahighâ€resolution mass spectrometry data tell different biogeochemical stories? A first assessment based on natural aquatic dissolved organic matter. <i>Limnology and Oceanography: Methods</i> , 2023, 21, 320-333.	2.0	9
286	Linking the source, molecular composition, and reactivity of dissolved organic matter in major rivers across the pearl river delta. <i>Journal of Cleaner Production</i> , 2023, 420, 138460.	9.3	2
287	The origin of suspended particulate matter in the Great Barrier Reef. <i>Nature Communications</i> , 2023, 14, .	12.8	0
288	Potential impacts of climate and anthropogenic-induced changes on DOM dynamics among the major Chinese rivers. <i>Geography and Sustainability</i> , 2023, 4, 329-339.	4.3	1
289	Concealed by darkness: Combination of NMR and HRMS reveal the molecular nature of dissolved organic matter in fractured-rock groundwater and connected surface waters. <i>Water Research</i> , 2023, 243, 120392.	11.3	1
290	Applying fluorescence spectroscopy and DNA pyrosequencing with 2D-COS and co-occurrence network to deconstruct dynamical DOM degradation of air-land-water sources in an urban river. <i>Science of the Total Environment</i> , 2023, 904, 166794.	8.0	2
291	Compositional changes of dissolved organic molecules along water flow and their influencing factors in the Three Gorges Reservoir. <i>Chemical Geology</i> , 2023, 639, 121741.	3.3	1
292	Patterns and drivers of prokaryotic communities in thermokarst lake water across Northern Hemisphere. <i>Global Ecology and Biogeography</i> , 0, , .	5.8	0
293	Dynamics of particulate organic carbon mobilization, storage, and export across river sedimentary systems. , 2023, , .		0



#	ARTICLE	IF	CITATIONS
294	Molecular Signatures of Dissolved Organic Matter Generated from the Photodissolution of Microplastics in Sunlit Seawater. <i>Environmental Science &amp; Technology</i> , 2023, 57, 20097-20106.	10.0	1
295	Source, composition and molecular diversity of dissolved and particulate organic matter varied with riparian land use in tropical coastal headstreams. <i>Science of the Total Environment</i> , 2024, 908, 168577.	8.0	1
296	Divergent Fate and Roles of Dissolved Organic Matter from Spatially Varied Grassland Soils in China During Long-Term Biogeochemical Processes. <i>Environmental Science &amp; Technology</i> , 2024, 58, 1164-1176.	10.0	0
297	Estuarine hydrodynamic processes driving the molecular changes of terrestrial dissolved organic nitrogen: From mixing to biological modification. <i>Science of the Total Environment</i> , 2024, 917, 170489.	8.0	0
298	Domestic sewage dispersion scenarios as a subsidy to the design of urban sewage systems in the Lower Amazon River, Amapá, Brazil. <i>PeerJ</i> , 0, 12, e16933.	2.0	0
299	Water surface variability in oceanic and estuarine coasts of Amapá, Brazil. <i>Aquatic Sciences</i> , 2024, 86, .	1.5	0
300	Algae removal and algal organic matter chemistry modulated by KMnO <sub>4</sub> -PAC in simulated karst water. <i>Chemosphere</i> , 2024, 354, 141733.	8.2	0