

Robert G M Spencer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7552757/publications.pdf>

Version: 2024-02-01

153
papers

13,044
citations

24978

57
h-index

25716

108
g-index

159
all docs

159
docs citations

159
times ranked

9267
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence spectroscopy opens new windows into dissolved organic matter dynamics in freshwater ecosystems: A review. <i>Limnology and Oceanography</i> , 2010, 55, 2452-2462.	1.6	961
2	Measurement of Dissolved Organic Matter Fluorescence in Aquatic Environments: An Interlaboratory Comparison. <i>Environmental Science & Technology</i> , 2010, 44, 9405-9412.	4.6	562
3	Illuminated darkness: Molecular signatures of Congo River dissolved organic matter and its photochemical alteration as revealed by ultrahigh precision mass spectrometry. <i>Limnology and Oceanography</i> , 2010, 55, 1467-1477.	1.6	527
4	Glaciers as a source of ancient and labile organic matter to the marine environment. <i>Nature</i> , 2009, 462, 1044-1047.	13.7	452
5	Global Charcoal Mobilization from Soils via Dissolution and Riverine Transport to the Oceans. <i>Science</i> , 2013, 340, 345-347.	6.0	432
6	Terrestrial carbon inputs to inland waters: A current synthesis of estimates and uncertainty. <i>Limnology and Oceanography Letters</i> , 2018, 3, 132-142.	1.6	368
7	Dissolved organic carbon and chromophoric dissolved organic matter properties of rivers in the USA. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	323
8	Seasonal and spatial variability in dissolved organic matter quantity and composition from the Yukon River basin, Alaska. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	268
9	Storage and release of organic carbon from glaciers and ice sheets. <i>Nature Geoscience</i> , 2015, 8, 91-96.	5.4	262
10	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015, 42, 2830-2835.	1.5	261
11	Photochemical degradation of dissolved organic matter and dissolved lignin phenols from the Congo River. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	252
12	Controls on the composition and lability of dissolved organic matter in Siberia's Kolyma River basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	247
13	High biolability of ancient permafrost carbon upon thaw. <i>Geophysical Research Letters</i> , 2013, 40, 2689-2693.	1.5	230
14	Characterization of dissolved organic matter from source to sea using fluorescence and absorbance spectroscopy. <i>Science of the Total Environment</i> , 2004, 333, 217-232.	3.9	216
15	Unifying Concepts Linking Dissolved Organic Matter Composition to Persistence in Aquatic Ecosystems. <i>Environmental Science & Technology</i> , 2018, 52, 2538-2548.	4.6	204
16	Ancient low-molecular-weight organic acids in permafrost fuel rapid carbon dioxide production upon thaw. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13946-13951.	3.3	201
17	Anthropogenic aerosols as a source of ancient dissolved organic matter in glaciers. <i>Nature Geoscience</i> , 2012, 5, 198-201.	5.4	199
18	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	2.2	199

#	ARTICLE	IF	CITATIONS
19	Freeze/thaw and pH effects on freshwater dissolved organic matter fluorescence and absorbance properties from a number of UK locations. <i>Water Research</i> , 2007, 41, 2941-2950.	5.3	197
20	Utilizing chromophoric dissolved organic matter measurements to derive export and reactivity of dissolved organic carbon exported to the Arctic Ocean: A case study of the Yukon River, Alaska. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	196
21	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.	1.7	196
22	Biodegradability of dissolved organic carbon in the Yukon River and its tributaries: Seasonality and importance of inorganic nitrogen. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	191
23	Utilization of ancient permafrost carbon in headwaters of Arctic fluvial networks. <i>Nature Communications</i> , 2015, 6, 7856.	5.8	189
24	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.	1.6	186
25	Particulate organic carbon and nitrogen export from major Arctic rivers. <i>Global Biogeochemical Cycles</i> , 2016, 30, 629-643.	1.9	157
26	Diurnal variability in riverine dissolved organic matter composition determined by <i>in situ</i> optical measurement in the San Joaquin River (California, USA). <i>Hydrological Processes</i> , 2007, 21, 3181-3189.	1.1	156
27	The impact of glacier runoff on the biodegradability and biochemical composition of terrigenous dissolved organic matter in near-shore marine ecosystems. <i>Marine Chemistry</i> , 2010, 121, 112-122.	0.9	153
28	Biodegradability of dissolved organic carbon in permafrost soils and aquatic systems: a meta-analysis. <i>Biogeosciences</i> , 2015, 12, 6915-6930.	1.3	153
29	Opportunities for hydrologic research in the Congo Basin. <i>Reviews of Geophysics</i> , 2016, 54, 378-409.	9.0	145
30	Temporal controls on dissolved organic matter and lignin biogeochemistry in a pristine tropical river, Democratic Republic of Congo. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	137
31	Fluorescence-based proxies for lignin in freshwater dissolved organic matter. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	121
32	The role of hydrologic regimes on dissolved organic carbon composition in an agricultural watershed. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5266-5277.	1.6	109
33	An initial investigation into the organic matter biogeochemistry of the Congo River. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 614-627.	1.6	108
34	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	104
35	Mobilization of aged and biolabile soil carbon by tropical deforestation. <i>Nature Geoscience</i> , 2019, 12, 541-546.	5.4	97
36	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	96

#	ARTICLE	IF	CITATIONS
37	Riverine DOM. , 2015, , 509-533.		95
38	Groundwater as a major source of dissolved organic matter to Arctic coastal waters. Nature Communications, 2020, 11, 1479.	5.8	95
39	Chromophoric dissolved organic matter export from U.S. rivers. Geophysical Research Letters, 2013, 40, 1575-1579.	1.5	94
40	Organic matter sources, fluxes and greenhouse gas exchange in the Oubangui River (Congo River) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.3	88
41	Ice sheets matter for the global carbon cycle. Nature Communications, 2019, 10, 3567.	5.8	87
42	Utilizing colored dissolved organic matter to derive dissolved black carbon export by arctic rivers. Frontiers in Earth Science, 2015, 3, .	0.8	83
43	A novel molecular approach for tracing terrigenous dissolved organic matter into the deep ocean. Global Biogeochemical Cycles, 2016, 30, 689-699.	1.9	81
44	Microbial production and consumption of dissolved organic matter in glacial ecosystems on the Tibetan Plateau. Water Research, 2019, 160, 18-28.	5.3	78
45	DOM composition and transformation in boreal forest soils: The effects of temperature and organicâ€horizon decomposition state. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2727-2744.	1.3	77
46	Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. Environmental Science & Technology, 2018, 52, 10297-10306.	4.6	76
47	Inorganic carbon speciation and fluxes in the Congo River. Geophysical Research Letters, 2013, 40, 511-516.	1.5	75
48	How humans alter dissolved organic matter composition in freshwater: relevance for the Earthâ€™s biogeochemistry. Biogeochemistry, 2021, 154, 323-348.	1.7	75
49	The estuarine mixing behaviour of peatland derived dissolved organic carbon and its relationship to chromophoric dissolved organic matter in two North Sea estuaries (U.K.). Estuarine, Coastal and Shelf Science, 2007, 74, 131-144.	0.9	74
50	Increasing Alkalinity Export from Large Russian Arctic Rivers. Environmental Science & Technology, 2018, 52, 8302-8308.	4.6	74
51	Examining Natural Attenuation and Acute Toxicity of Petroleum-Derived Dissolved Organic Matter with Optical Spectroscopy. Environmental Science & Technology, 2018, 52, 6157-6166.	4.6	73
52	Isotopic composition of oceanic dissolved black carbon reveals non-riverine source. Nature Communications, 2019, 10, 5064.	5.8	73
53	Evidence for key enzymatic controls on metabolism of Arctic river organic matter. Global Change Biology, 2014, 20, 1089-1100.	4.2	70
54	Influences of glacier melt and permafrost thaw on the age of dissolved organic carbon in the Yukon River basin. Global Biogeochemical Cycles, 2014, 28, 525-537.	1.9	70

#	ARTICLE	IF	CITATIONS
55	A new conceptual framework for the transformation of groundwater dissolved organic matter. <i>Nature Communications</i> , 2022, 13, 2153.	5.8	69
56	Comparison of XAD with other dissolved lignin isolation techniques and a compilation of analytical improvements for the analysis of lignin in aquatic settings. <i>Organic Geochemistry</i> , 2010, 41, 445-453.	0.9	68
57	Microbial Degradation of Plant Leachate Alters Lignin Phenols and Trihalomethane Precursors. <i>Journal of Environmental Quality</i> , 2010, 39, 946-954.	1.0	62
58	Negligible cycling of terrestrial carbon in many lakes of the arid circumpolar landscape. <i>Nature Geoscience</i> , 2019, 12, 180-185.	5.4	60
59	Changes in groundwater dissolved organic matter character in a coastal sand aquifer due to rainfall recharge. <i>Water Research</i> , 2020, 169, 115201.	5.3	60
60	Origins, seasonality, and fluxes of organic matter in the Congo River. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1105-1121.	1.9	59
61	Mercury Export from Arctic Great Rivers. <i>Environmental Science & Technology</i> , 2020, 54, 4140-4148.	4.6	59
62	Molecular-Level Composition and Acute Toxicity of Photosolubilized Petrogenic Carbon. <i>Environmental Science & Technology</i> , 2019, 53, 8235-8243.	4.6	57
63	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.	1.3	54
64	Dissolved organic carbon loss from Yedoma permafrost amplified by ice wedge thaw. <i>Environmental Research Letters</i> , 2013, 8, 035023.	2.2	53
65	The Ephemeral Signature of Permafrost Carbon in an Arctic Fluvial Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1475-1485.	1.3	53
66	Identifying the Molecular Signatures of Agricultural Expansion in Amazonian Headwater Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1637-1650.	1.3	53
67	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 200-211.	1.3	52
68	Fluorescence Indices and Their Interpretation. , 2014, , 303-338.		49
69	High fire-derived nitrogen deposition on central African forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 549-554.	3.3	46
70	Dissolved Organic Carbon Turnover in Permafrost-Influenced Watersheds of Interior Alaska: Molecular Insights and the Priming Effect. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	46
71	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. <i>Limnology and Oceanography</i> , 2017, 62, 1682-1700.	1.6	45
72	Seasonal variability of organic matter composition in an Alaskan glacier outflow: insights into glacier carbon sources. <i>Environmental Research Letters</i> , 2014, 9, 055005.	2.2	41

#	ARTICLE	IF	CITATIONS
73	Increasing Organic Carbon Biolability With Depth in Yedoma Permafrost: Ramifications for Future Climate Change. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2021-2038.	1.3	41
74	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , 2020, 10, 8722.	1.6	41
75	Enhanced trace element mobilization by Earth's ice sheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31648-31659.	3.3	40
76	Mobilization of optically invisible dissolved organic matter in response to rainstorm events in a tropical forest headwater river. <i>Geophysical Research Letters</i> , 2014, 41, 1202-1208.	1.5	38
77	Rainstorm events shift the molecular composition and export of dissolved organic matter in a large drinking water reservoir in China: High frequency buoys and field observations. <i>Water Research</i> , 2020, 187, 116471.	5.3	38
78	Variability in Dissolved Organic Matter Composition and Biolability across Gradients of Glacial Coverage and Distance from Glacial Terminus on the Tibetan Plateau. <i>Environmental Science & Technology</i> , 2019, 53, 12207-12217.	4.6	37
79	Hydrologic connectivity determines dissolved organic matter biogeochemistry in northern high-latitude lakes. <i>Limnology and Oceanography</i> , 2020, 65, 1764-1780.	1.6	37
80	Characterisation of shallow groundwater dissolved organic matter in aeolian, alluvial and fractured rock aquifers. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 163-176.	1.6	37
81	Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. <i>Limnology and Oceanography</i> , 2020, 65, 1217-1234.	1.6	36
82	Unraveling the Role of Anthropogenic and Natural Drivers in Shaping the Molecular Composition and Biolability of Dissolved Organic Matter in Non-pristine Lakes. <i>Environmental Science & Technology</i> , 2022, 56, 4655-4664.	4.6	36
83	Riverine dissolved lithium isotopic signatures in low-relief central Africa and their link to weathering regimes. <i>Geophysical Research Letters</i> , 2016, 43, 4391-4399.	1.5	35
84	Spatial Variation in the Origin of Dissolved Organic Carbon in Snow on the Juneau Icefield, Southeast Alaska. <i>Environmental Science & Technology</i> , 2015, 49, 11492-11499.	4.6	34
85	Online quantification and compound-specific stable isotopic analysis of black carbon in environmental matrices via liquid chromatography-isotope ratio mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 995-1006.	1.0	33
86	Flux and Seasonality of Dissolved Organic Matter From the Northern Dvina (Severnaya Dvina) River, Russia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1041-1056.	1.3	33
87	Dissolved Organic Matter Compositional Change and Biolability During Two Storm Runoff Events in a Small Agricultural Watershed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2634-2650.	1.3	32
88	Large subglacial source of mercury from the southwestern margin of the Greenland Ice Sheet. <i>Nature Geoscience</i> , 2021, 14, 496-502.	5.4	32
89	An Assessment of Dissolved Organic Carbon Biodegradability and Priming in Blackwater Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2998-3015.	1.3	31
90	Deciphering Dissolved Organic Matter: Ionization, Dopant, and Fragmentation Insights via Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry. <i>Environmental Science & Technology</i> , 2020, 54, 16249-16259.	4.6	31

#	ARTICLE	IF	CITATIONS
91	Hydrocarbons to carboxyl-rich alicyclic molecules: A continuum model to describe biodegradation of petroleum-derived dissolved organic matter in contaminated groundwater plumes. <i>Journal of Hazardous Materials</i> , 2021, 402, 123998.	6.5	31
92	Pan- ϵ Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsides. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006871.	1.9	31
93	Assessing the drivers of dissolved organic matter export from two contrasting lowland catchments, U.K. <i>Science of the Total Environment</i> , 2016, 569-570, 1330-1340.	3.9	30
94	Novel insights from NMR spectroscopy into seasonal changes in the composition of dissolved organic matter exported to the Bering Sea by the Yukon River. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 181, 72-88.	1.6	30
95	Land-use controls on carbon biogeochemistry in lowland streams of the Congo Basin. <i>Global Change Biology</i> , 2020, 26, 1374-1389.	4.2	30
96	Stream Dissolved Organic Matter in Permafrost Regions Shows Surprising Compositional Similarities but Negative Priming and Nutrient Effects. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006719.	1.9	30
97	Delineating the Continuum of Dissolved Organic Matter in Temperate River Networks. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006495.	1.9	29
98	How hydrology and anthropogenic activity influence the molecular composition and export of dissolved organic matter: Observations along a large river continuum. <i>Limnology and Oceanography</i> , 2021, 66, 1730-1742.	1.6	29
99	Hydrologic controls on seasonal and inter-annual variability of Congo River particulate organic matter source and reservoir age. <i>Chemical Geology</i> , 2017, 466, 454-465.	1.4	28
100	Glacier meltwater and monsoon precipitation drive Upper Ganges Basin dissolved organic matter composition. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 216-228.	1.6	28
101	Questions remain about the biolability of dissolved black carbon along the combustion continuum. <i>Nature Communications</i> , 2021, 12, 4281.	5.8	28
102	Watershed Glacier Coverage Influences Dissolved Organic Matter Biogeochemistry in Coastal Watersheds of Southeast Alaska. <i>Ecosystems</i> , 2014, 17, 1014-1025.	1.6	27
103	Degrading permafrost river catchments and their impact on Arctic Ocean nearshore processes. <i>Ambio</i> , 2022, 51, 439-455.	2.8	27
104	Controls on dissolved organic carbon composition and export from rice-dominated systems. <i>Biogeochemistry</i> , 2012, 108, 447-466.	1.7	26
105	Estimation and Sensitivity of Carbon Storage in Permafrost of North-Eastern Yakutia. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 379-390.	1.5	26
106	Glacier Outflow Dissolved Organic Matter as a Window Into Seasonally Changing Carbon Sources: Leverett Glacier, Greenland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005161.	1.3	26
107	The Genesis and Exodus of Vascular Plant DOM from an Oak Woodland Landscape. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	24
108	Selective Leaching of Dissolved Organic Matter From Alpine Permafrost Soils on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1005-1016.	1.3	24

#	ARTICLE	IF	CITATIONS
109	Coordination and Sustainability of River Observing Activities in the Arctic. <i>Arctic</i> , 2015, 68, 59.	0.2	24
110	DOM composition in an agricultural watershed: Assessing patterns and variability in the context of spatial scales. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 599-610.	1.6	23
111	Constraining dissolved organic matter sources and temporal variability in a model sub-Arctic lake. <i>Biogeochemistry</i> , 2019, 146, 271-292.	1.7	22
112	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006953.	1.9	22
113	Shifting stoichiometry: Long-term trends in stream-dissolved organic matter reveal altered C:N ratios due to history of atmospheric acid deposition. <i>Global Change Biology</i> , 2022, 28, 98-114.	4.2	22
114	Impact of seasonality and anthropogenic impoundments on dissolved organic matter dynamics in the Klamath River (Oregon/California, USA). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1946-1958.	1.3	20
115	Drivers of Dissolved Organic Matter in the Vent and Major Conduits of the World's Largest Freshwater Spring. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2775-2790.	1.3	20
116	Spatiotemporal transformation of dissolved organic matter along an alpine stream flow path on the Qinghai-Tibet Plateau: importance of source and permafrost degradation. <i>Biogeosciences</i> , 2018, 15, 6637-6648.	1.3	19
117	Glacier Loss Impacts Riverine Organic Carbon Transport to the Ocean. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089804.	1.5	19
118	Assessing the potential impacts of declining Arctic sea ice cover on the photochemical degradation of dissolved organic matter in the Chukchi and Beaufort Seas. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2326-2344.	1.3	17
119	Molecular Signatures of Glacial Dissolved Organic Matter From Svalbard and Greenland. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006709.	1.9	17
120	Low N ₂ O and variable CH ₄ fluxes from tropical forest soils of the Congo Basin. <i>Nature Communications</i> , 2022, 13, 330.	5.8	17
121	A comparison of a simplified cupric oxide oxidation HPLC method with the traditional GC-MS method for characterization of lignin phenolics in environmental samples. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 1-8.	1.0	16
122	Convergence of Terrestrial Dissolved Organic Matter Composition and the Role of Microbial Buffering in Aquatic Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3125-3142.	1.3	16
123	Life at the Frozen Limit: Microbial Carbon Metabolism Across a Late Pleistocene Permafrost Chronosequence. <i>Frontiers in Microbiology</i> , 2020, 11, 1753.	1.5	16
124	The Pulse of the Amazon: Fluxes of Dissolved Organic Carbon, Nutrients, and Ions From the World's Largest River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006895.	1.9	16
125	Limited Presence of Permafrost Dissolved Organic Matter in the Kolyma River, Siberia Revealed by Ramped Oxidation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005977.	1.3	16
126	Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. <i>Limnology and Oceanography</i> , 2021, 66, 438-451.	1.6	16

#	ARTICLE	IF	CITATIONS
127	Anthropogenic landcover impacts fluvial dissolved organic matter composition in the Upper Mississippi River Basin. <i>Biogeochemistry</i> , 2023, 164, 117-141.	1.7	16
128	Deep ocean microbial communities produce more stable dissolved organic matter through the succession of rare prokaryotes. <i>Science Advances</i> , 2022, 8, .	4.7	16
129	Interlaboratory comparison of humic substances compositional space as measured by Fourier transform ion cyclotron resonance mass spectrometry (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2020, 92, 1447-1467.	0.9	15
130	Low and Declining Mercury in Arctic Russian Rivers. <i>Environmental Science & Technology</i> , 2014, 48, 747-752.	4.6	14
131	Multidecadal declines in particulate mercury and sediment export from Russian rivers in the pan-Arctic basin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119857119.	3.3	14
132	Organic Molecular Signatures of the Congo River and Comparison to the Amazon. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	14
133	Multidecadal climate-induced changes in Arctic tundra lake geochemistry and geomorphology. <i>Limnology and Oceanography</i> , 2019, 64, S179.	1.6	12
134	The evolution of stream dissolved organic matter composition following glacier retreat in coastal watersheds of southeast Alaska. <i>Biogeochemistry</i> , 2023, 164, 99-116.	1.7	12
135	Drivers of Organic Molecular Signatures in the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006938.	1.9	12
136	Du Feu À l'Eau: Source and Flux of Dissolved Black Carbon From the Congo River. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006560.	1.9	11
137	Temporal and Longitudinal Mercury Trends in Burbot (<i>Lota lota</i>) in the Russian Arctic. <i>Environmental Science & Technology</i> , 2017, 51, 13436-13442.	4.6	10
138	Extreme rates and diel variability of planktonic respiration in a shallow sub-arctic lake. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	10
139	The Molecular Composition of Humic Substances Isolated From Yedoma Permafrost and Alas Cores in the Eastern Siberian Arctic as Measured by Ultrahigh Resolution Mass Spectrometry. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2432-2445.	1.3	9
140	Arctic River Dissolved and Biogenic Silicon Exports—Current Conditions and Future Changes With Warming. <i>Global Biogeochemical Cycles</i> , 2020, 34, no.	1.9	9
141	Stormflows Drive Stream Carbon Concentration, Speciation, and Dissolved Organic Matter Composition in Coastal Temperate Rainforest Watersheds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005804.	1.3	8
142	Controls on Riverine Dissolved Organic Matter Composition Across an Arctic-Boreal Latitudinal Gradient. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005988.	1.3	7
143	Assessing the Role of Photochemistry in Driving the Composition of Dissolved Organic Matter in Glacier Runoff. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006516.	1.3	7
144	Seasonal Changes in Dissolved Organic Matter Composition in a Patagonian Fjord Affected by Glacier Melt Inputs. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	6

#	ARTICLE	IF	CITATIONS
145	From canopy to consumer: what makes and modifies terrestrial DOM in a temperate forest. <i>Biogeochemistry</i> , 2023, 164, 185-205.	1.7	6
146	Irrigation as a fuel pump to freshwater ecosystems. <i>Biogeochemistry</i> , 2017, 136, 71-90.	1.7	5
147	Zooplankton release complex dissolved organic matter to aquatic environments. <i>Biogeochemistry</i> , 2022, 157, 313-325.	1.7	5
148	Heterogeneous Patterns of Aged Organic Carbon Export Driven by Hydrologic Flow Paths, Soil Texture, Fire, and Thaw in Discontinuous Permafrost Headwaters. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	5
149	Molecular Insights into Glacial Cryoconite Dissolved Organic Matter Evolution under Dark Conditions during the Ablation Season on the Tibetan Plateau. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 870-879.	1.2	4
150	PLASMA BIOCHEMISTRY PROFILES OF JUVENILE GREEN TURTLES (CHELONIA MYDAS) FROM THE BAHAMAS WITH A POTENTIAL INFLUENCE OF DIET. <i>Journal of Wildlife Diseases</i> , 2020, 56, 768-780.	0.3	3
151	Trapped Under Ice: Spatial and Seasonal Dynamics of Dissolved Organic Matter Composition in Tundra Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
152	Quantifying the inhibitory impact of soluble phenolics on anaerobic carbon mineralization in a thawing permafrost peatland. <i>PLoS ONE</i> , 2022, 17, e0252743.	1.1	1
153	O transporte de carbono orgânico dissolvido e nutrientes nitrogenados no canal principal do Rio Amazonas, no Estreito de Ábidos. <i>Revista Ibero-americana De Ciências Ambientais</i> , 2018, 9, 308-319.	0.0	0