

# Robert G M Spencer

## List of Publications by Citations

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149  
papers

9,073  
citations

47  
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93  
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159  
ext. papers

11,161  
ext. citations

7.2  
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6.29  
L-index

#	Paper	IF	Citations
149	Fluorescence spectroscopy opens new windows into dissolved organic matter dynamics in freshwater ecosystems: A review. <i>Limnology and Oceanography</i> , <b>2010</b> , 55, 2452-2462	4.8	720
148	Measurement of dissolved organic matter fluorescence in aquatic environments: an interlaboratory comparison. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 9405-12	10.3	418
147	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> , <b>2010</b> , 55, 1467-1477	4.8	396
146	Glaciers as a source of ancient and labile organic matter to the marine environment. <i>Nature</i> , <b>2009</b> , 462, 1044-7	50.4	360
145	Global charcoal mobilization from soils via dissolution and riverine transport to the oceans. <i>Science</i> , <b>2013</b> , 340, 345-7	33.3	310
144	Dissolved organic carbon and chromophoric dissolved organic matter properties of rivers in the USA. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		233
143	Seasonal and spatial variability in dissolved organic matter quantity and composition from the Yukon River basin, Alaska. <i>Global Biogeochemical Cycles</i> , <b>2008</b> , 22, n/a-n/a	5.9	231
142	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2830-2835	4.9	211
141	High biolability of ancient permafrost carbon upon thaw. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 2689-2693	4.9	197
140	Controls on the composition and lability of dissolved organic matter in Siberia's Kolyma River basin. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		196
139	Photochemical degradation of dissolved organic matter and dissolved lignin phenols from the Congo River. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		194
138	Storage and release of organic carbon from glaciers and ice sheets. <i>Nature Geoscience</i> , <b>2015</b> , 8, 91-96	18.3	192
137	Terrestrial carbon inputs to inland waters: A current synthesis of estimates and uncertainty. <i>Limnology and Oceanography Letters</i> , <b>2018</b> , 3, 132-142	7.9	189
136	Characterization of dissolved organic matter from source to sea using fluorescence and absorbance spectroscopy. <i>Science of the Total Environment</i> , <b>2004</b> , 333, 217-32	10.2	188
135	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> , <b>2009</b> , 36,	4.9	175
134	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 034014	6.2	165
133	Anthropogenic aerosols as a source of ancient dissolved organic matter in glaciers. <i>Nature Geoscience</i> , <b>2012</b> , 5, 198-201	18.3	165

132	Utilization of ancient permafrost carbon in headwaters of Arctic fluvial networks. <i>Nature Communications</i> , <b>2015</b> , 6, 7856	17.4	156
131	Freeze/thaw and pH effects on freshwater dissolved organic matter fluorescence and absorbance properties from a number of UK locations. <i>Water Research</i> , <b>2007</b> , 41, 2941-50	12.5	156
130	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> , <b>2015</b> , 112, 13946-51	11.5	155
129	Paradigm shifts in soil organic matter research affect interpretations of aquatic carbon cycling: transcending disciplinary and ecosystem boundaries. <i>Biogeochemistry</i> , <b>2014</b> , 117, 279-297	3.8	149
128	Biodegradability of dissolved organic carbon in the Yukon River and its tributaries: Seasonality and importance of inorganic nitrogen. <i>Global Biogeochemical Cycles</i> , <b>2012</b> , 26, n/a-n/a	5.9	149
127	Source and biolability of ancient dissolved organic matter in glacier and lake ecosystems on the Tibetan Plateau. <i>Geochimica Et Cosmochimica Acta</i> , <b>2014</b> , 142, 64-74	5.5	137
126	Diurnal variability in riverine dissolved organic matter composition determined by in situ optical measurement in the San Joaquin River (California, USA). <i>Hydrological Processes</i> , <b>2007</b> , 21, 3181-3189	3.3	137
125	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> , <b>2010</b> , 121, 112-122	3.7	132
124	Temporal controls on dissolved organic matter and lignin biogeochemistry in a pristine tropical river, Democratic Republic of Congo. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		122
123	Biodegradability of dissolved organic carbon in permafrost soils and aquatic systems: a meta-analysis. <i>Biogeosciences</i> , <b>2015</b> , 12, 6915-6930	4.6	112
122	Opportunities for hydrologic research in the Congo Basin. <i>Reviews of Geophysics</i> , <b>2016</b> , 54, 378-409	23.1	106
121	Unifying Concepts Linking Dissolved Organic Matter Composition to Persistence in Aquatic Ecosystems. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2538-2548	10.3	105
120	Particulate organic carbon and nitrogen export from major Arctic rivers. <i>Global Biogeochemical Cycles</i> , <b>2016</b> , 30, 629-643	5.9	102
119	Fluorescence-based proxies for lignin in freshwater dissolved organic matter. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		102
118	The role of hydrologic regimes on dissolved organic carbon composition in an agricultural watershed. <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 5266-5277	5.5	96
117	An initial investigation into the organic matter biogeochemistry of the Congo River. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 84, 614-627	5.5	94
116	Organic matter sources, fluxes and greenhouse gas exchange in the Oubangui River (Congo River basin). <i>Biogeosciences</i> , <b>2012</b> , 9, 2045-2062	4.6	75
115	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. <i>Frontiers in Earth Science</i> , <b>2016</b> , 4,	3.5	69

114	Chromophoric dissolved organic matter export from U.S. rivers. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1575-1579	4.9	68
113	Riverine DOM <b>2015</b> , 509-533		67
112	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , <b>2016</b> , 4,	3.5	63
111	Evidence for key enzymatic controls on metabolism of Arctic river organic matter. <i>Global Change Biology</i> , <b>2014</b> , 20, 1089-100	11.4	61
110	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.). <i>Estuarine, Coastal and Shelf Science</i> , <b>2007</b> , 74, 131-144	2.9	61
109	Inorganic carbon speciation and fluxes in the Congo River. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 511-516	6.9	60
108	Influences of glacier melt and permafrost thaw on the age of dissolved organic carbon in the Yukon River basin. <i>Global Biogeochemical Cycles</i> , <b>2014</b> , 28, 525-537	5.9	58
107	Utilizing colored dissolved organic matter to derive dissolved black carbon export by arctic rivers. <i>Frontiers in Earth Science</i> , <b>2015</b> , 3,	3.5	58
106	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> , <b>2010</b> , 41, 445-453	3.1	54
105	DOM composition and transformation in boreal forest soils: The effects of temperature and organic-horizon decomposition state. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 2727-2744	3.7	51
104	Ice sheets matter for the global carbon cycle. <i>Nature Communications</i> , <b>2019</b> , 10, 3567	17.4	48
103	Origins, seasonality, and fluxes of organic matter in the Congo River. <i>Global Biogeochemical Cycles</i> , <b>2016</b> , 30, 1105-1121	5.9	48
102	Microbial degradation of plant leachate alters lignin phenols and trihalomethane precursors. <i>Journal of Environmental Quality</i> , <b>2010</b> , 39, 946-54	3.4	47
101	The biogeochemistry of carbon across a gradient of streams and rivers within the Congo Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2014</b> , 119, 687-702	3.7	44
100	Increasing Alkalinity Export from Large Russian Arctic Rivers. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8302-8308	10.3	44
99	Dissolved organic carbon loss from Yedoma permafrost amplified by ice wedge thaw. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 035023	6.2	43
98	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 200-211	3.7	42
97	Mobilization of aged and biolabile soil carbon by tropical deforestation. <i>Nature Geoscience</i> , <b>2019</b> , 12, 541-546	18.3	42

96	A novel molecular approach for tracing terrigenous dissolved organic matter into the deep ocean. <i>Global Biogeochemical Cycles</i> , <b>2016</b> , 30, 689-699	5.9	42
95	Microbial production and consumption of dissolved organic matter in glacial ecosystems on the Tibetan Plateau. <i>Water Research</i> , <b>2019</b> , 160, 18-28	12.5	40
94	Negligible cycling of terrestrial carbon in many lakes of the arid circumpolar landscape. <i>Nature Geoscience</i> , <b>2019</b> , 12, 180-185	18.3	40
93	Groundwater as a major source of dissolved organic matter to Arctic coastal waters. <i>Nature Communications</i> , <b>2020</b> , 11, 1479	17.4	36
92	The Ephemeral Signature of Permafrost Carbon in an Arctic Fluvial Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 1475-1485	3.7	35
91	High fire-derived nitrogen deposition on central African forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 549-554	11.5	35
90	Isotopic composition of oceanic dissolved black carbon reveals non-riverine source. <i>Nature Communications</i> , <b>2019</b> , 10, 5064	17.4	35
89	Examining Natural Attenuation and Acute Toxicity of Petroleum-Derived Dissolved Organic Matter with Optical Spectroscopy. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 6157-6166	10.3	34
88	Seasonal variability of organic matter composition in an Alaskan glacier outflow: insights into glacier carbon sources. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 055005	6.2	34
87	Changes in groundwater dissolved organic matter character in a coastal sand aquifer due to rainfall recharge. <i>Water Research</i> , <b>2020</b> , 169, 115201	12.5	34
86	Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10297-10306	10.3	33
85	Climate Change Impacts on the Hydrology and Biogeochemistry of Arctic Rivers1-26		33
84	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. <i>Limnology and Oceanography</i> , <b>2017</b> , 62, 1682-1700	4.8	32
83	Fluorescence Indices and Their Interpretation303-338		31
82	Mercury Export from Arctic Great Rivers. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 4140-4148	10.3	30
81	Molecular-Level Composition and Acute Toxicity of Photosolubilized Petrogenic Carbon. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 8235-8243	10.3	29
80	Dissolved Organic Carbon Turnover in Permafrost-Influenced Watersheds of Interior Alaska: Molecular Insights and the Priming Effect. <i>Frontiers in Earth Science</i> , <b>2019</b> , 7,	3.5	29
79	Mobilization of optically invisible dissolved organic matter in response to rainstorm events in a tropical forest headwater river. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1202-1208	4.9	28

78	Identifying the Molecular Signatures of Agricultural Expansion in Amazonian Headwater Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2019</b> , 124, 1637-1650	3.7	25
77	Flux and Seasonality of Dissolved Organic Matter From the Northern Dvina (Severnaya Dvina) River, Russia. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 1041-1056	3.7	25
76	Riverine dissolved lithium isotopic signatures in low-relief central Africa and their link to weathering regimes. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4391-4399	4.9	25
75	Spatial Variation in the Origin of Dissolved Organic Carbon in Snow on the Juneau Icefield, Southeast Alaska. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 11492-9	10.3	24
74	Assessing the drivers of dissolved organic matter export from two contrasting lowland catchments, U.K. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 1330-1340	10.2	24
73	Estimation and Sensitivity of Carbon Storage in Permafrost of North-Eastern Yakutia. <i>Permafrost and Periglacial Processes</i> , <b>2017</b> , 28, 379-390	4.2	23
72	Increasing Organic Carbon Biolability With Depth in Yedoma Permafrost: Ramifications for Future Climate Change. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2019</b> , 124, 2021-2038	3.7	22
71	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> , <b>2016</b> , 181, 72-88	5.5	22
70	Controls on dissolved organic carbon composition and export from rice-dominated systems. <i>Biogeochemistry</i> , <b>2012</b> , 108, 447-466	3.8	22
69	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> , <b>2017</b> , 122, 2634-2650	3.7	21
68	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 &amp; Technology</i> , <b>2019</b> , 53, 12207-12217	10.3	21
67	Characterisation of shallow groundwater dissolved organic matter in aeolian, alluvial and fractured rock aquifers. <i>Geochimica Et Cosmochimica Acta</i> , <b>2020</b> , 273, 163-176	5.5	21
66	An Assessment of Dissolved Organic Carbon Biodegradability and Priming in Blackwater Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 2998-3015	3.7	21
65	Watershed Glacier Coverage Influences Dissolved Organic Matter Biogeochemistry in Coastal Watersheds of Southeast Alaska. <i>Ecosystems</i> , <b>2014</b> , 17, 1014-1025	3.9	20
64	Coordination and Sustainability of River Observing Activities in the Arctic. <i>Arctic</i> , <b>2015</b> , 68, 59	2.1	20
63	Hydrologic controls on seasonal and inter-annual variability of Congo River particulate organic matter source and reservoir age. <i>Chemical Geology</i> , <b>2017</b> , 466, 454-465	4.2	17
62	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> , <b>2017</b> , 15, 995-1006	2.6	17
61	Selective Leaching of Dissolved Organic Matter From Alpine Permafrost Soils on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 1005-1016	3.7	16

60	How humans alter dissolved organic matter composition in freshwater: relevance for the Earth's biogeochemistry. <i>Biogeochemistry</i> , <b>2021</b> , 154, 323-348	3.8	16
59	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , <b>2020</b> , 10, 8722	4.9	15
58	Glacier Outflow Dissolved Organic Matter as a Window Into Seasonally Changing Carbon Sources: Leverett Glacier, Greenland. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2019JG005167	3.7	15
57	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> , <b>2015</b> , 120, 2326-2344	3.7	15
56	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> , <b>2018</b> , 15, 6637-6648	4.6	15
55	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> , <b>2018</b> , 123, 2775-2790	3.7	14
54	The Genesis and Exodus of Vascular Plant DOM from an Oak Woodland Landscape. <i>Frontiers in Earth Science</i> , <b>2017</b> , 5,	3.5	14
53	Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. <i>Limnology and Oceanography</i> , <b>2020</b> , 65, 1217-1234	4.8	14
52	Glacier meltwater and monsoon precipitation drive Upper Ganges Basin dissolved organic matter composition. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 244, 216-228	5.5	14
51	Hydrologic connectivity determines dissolved organic matter biogeochemistry in northern high-latitude lakes. <i>Limnology and Oceanography</i> , <b>2020</b> , 65, 1764-1780	4.8	13
50	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> , <b>2016</b> , 121, 1946-1958	3.7	13
49	DOM composition in an agricultural watershed: Assessing patterns and variability in the context of spatial scales. <i>Geochimica Et Cosmochimica Acta</i> , <b>2013</b> , 121, 599-610	5.5	13
48	Constraining dissolved organic matter sources and temporal variability in a model sub-Arctic lake. <i>Biogeochemistry</i> , <b>2019</b> , 146, 271-292	3.8	13
47	Delineating the Continuum of Dissolved Organic Matter in Temperate River Networks. <i>Global Biogeochemical Cycles</i> , <b>2020</b> , 34, e2019GB006495	5.9	12
46	Enhanced trace element mobilization by Earth's ice sheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 31648-31659	11.5	12
45	Low and declining mercury in arctic Russian rivers. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 747-52	10.3	11
44	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> , <b>2015</b> , 13, 1-8	2.6	11
43	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> , <b>2020</b> , 187, 116471	12.5	11

42	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> , <b>2021</b> , 402, 123998	12.8	10
41	Stream Dissolved Organic Matter in Permafrost Regions Shows Surprising Compositional Similarities but Negative Priming and Nutrient Effects. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2020GB006719 <sup>10</sup>	5.9	10
40	Convergence of Terrestrial Dissolved Organic Matter Composition and the Role of Microbial Buffering in Aquatic Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2019</b> , 124, 3125-3142	3.7	9
39	Multidecadal climate-induced changes in Arctic tundra lake geochemistry and geomorphology. <i>Limnology and Oceanography</i> , <b>2019</b> , 64, S179	4.8	9
38	Temporal and Longitudinal Mercury Trends in Burbot ( <i>Lota lota</i> ) in the Russian Arctic. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13436-13442	10.3	8
37	Extreme rates and diel variability of planktonic respiration in a shallow sub-arctic lake. <i>Aquatic Sciences</i> , <b>2019</b> , 81, 1	2.5	8
36	Land-use controls on carbon biogeochemistry in lowland streams of the Congo Basin. <i>Global Change Biology</i> , <b>2020</b> , 26, 1374-1389	11.4	8
35	Glacier Loss Impacts Riverine Organic Carbon Transport to the Ocean. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089804	4.9	8
34	Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. <i>Limnology and Oceanography</i> , <b>2021</b> , 66, 438-451	4.8	8
33	Life at the Frozen Limit: Microbial Carbon Metabolism Across a Late Pleistocene Permafrost Chronosequence. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1753	5.7	7
32	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> , <b>2019</b> , 124, 2432-2445	3.7	6
31	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> , <b>2020</b> , 92, 1447-1467	2.1	6
30	Large subglacial source of mercury from the southwestern margin of the Greenland Ice Sheet. <i>Nature Geoscience</i> , <b>2021</b> , 14, 496-502	18.3	6
29	Questions remain about the biolability of dissolved black carbon along the combustion continuum. <i>Nature Communications</i> , <b>2021</b> , 12, 4281	17.4	6
28	A new conceptual framework for the transformation of groundwater dissolved organic matter.. <i>Nature Communications</i> , <b>2022</b> , 13, 2153	17.4	6
27	Arctic River Dissolved and Biogenic Silicon Exports: Current Conditions and Future Changes With Warming. <i>Global Biogeochemical Cycles</i> , <b>2020</b> , 34, no	5.9	5
26	Deciphering Dissolved Organic Matter: Ionization, Dopant, and Fragmentation Insights via Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 16249-16259	10.3	5
25	Du Feu L'Eau: Source and Flux of Dissolved Black Carbon From the Congo River. <i>Global Biogeochemical Cycles</i> , <b>2020</b> , 34, e2020GB006560	5.9	5



24	Pan-Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsides. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2020GB006871	5.9	5
23	The evolution of stream dissolved organic matter composition following glacier retreat in coastal watersheds of southeast Alaska. <i>Biogeochemistry</i> ,1	3.8	5
22	Stormflows Drive Stream Carbon Concentration, Speciation, and Dissolved Organic Matter Composition in Coastal Temperate Rainforest Watersheds. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2020JG005804	3.7	4
21	Molecular Signatures of Glacial Dissolved Organic Matter From Svalbard and Greenland. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2020GB006709	5.9	4
20	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2021GB006953	5.9	4
19	Irrigation as a fuel pump to freshwater ecosystems. <i>Biogeochemistry</i> , <b>2017</b> , 136, 71-90	3.8	3
18	Degrading permafrost river catchments and their impact on Arctic Ocean nearshore processes. <i>Ambio</i> , <b>2021</b> , 51, 439	6.5	3
17	The Pulse of the Amazon: Fluxes of Dissolved Organic Carbon, Nutrients, and Ions From the World's Largest River. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2020GB006895	5.9	3
16	Limited Presence of Permafrost Dissolved Organic Matter in the Kolyma River, Siberia Revealed by Ramped Oxidation. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2021</b> , 126, e2020JG005977	3.7	3
15	Controls on Riverine Dissolved Organic Matter Composition Across an Arctic-Boreal Latitudinal Gradient. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2021</b> , 126, e2020JG005988	3.7	3
14	Low NO and variable CH fluxes from tropical forest soils of the Congo Basin.. <i>Nature Communications</i> , <b>2022</b> , 13, 330	17.4	2
13	Drivers of Organic Molecular Signatures in the Amazon River. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2021GB006938	5.9	2
12	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> , <b>2021</b> , 66, 1730-1742	4.8	2
11	Zooplankton release complex dissolved organic matter to aquatic environments. <i>Biogeochemistry</i> ,1	3.8	1
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1	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	11.5	