

Robert G M Spencer

List of Publications by Year in Descending Order

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

149
papers

9,073
citations

47
h-index

93
g-index

159
ext. papers

11,161
ext. citations

7.2
avg, IF

6.29
L-index

#	Paper	IF	Citations
149	Low NO and variable CH fluxes from tropical forest soils of the Congo Basin.. <i>Nature Communications</i> , 2022 , 13, 330	17.4	2
148	Quantifying the inhibitory impact of soluble phenolics on anaerobic carbon mineralization in a thawing permafrost peatland.. <i>PLoS ONE</i> , 2022 , 17, e0252743	3.7	0
147	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	11.4	1
146	Dynamique du carbone fluvial dans le continuum terre-oc�an des grands fleuves tropicaux : l'Amazone et le Congo. <i>Geophysical Monograph Series</i> , 2022 , 401-423	1.1	
145	Fluvial Carbon Dynamics across the Land to Ocean Continuum of Great Tropical Rivers. <i>Geophysical Monograph Series</i> , 2022 , 391-412	1.1	0
144	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	
143	A new conceptual framework for the transformation of groundwater dissolved organic matter.. <i>Nature Communications</i> , 2022 , 13, 2153	17.4	6
142	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	3.7	1
141	Degrading permafrost river catchments and their impact on Arctic Ocean nearshore processes. <i>Ambio</i> , 2021 , 51, 439	6.5	3
140	Molecular Signatures of Glacial Dissolved Organic Matter From Svalbard and Greenland. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006709	5.9	4
139	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	3.2	1
138	Pan-Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsides. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006871	5.9	5
137	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	5.9	3
136	Large subglacial source of mercury from the southwestern margin of the Greenland Ice Sheet. <i>Nature Geoscience</i> , 2021 , 14, 496-502	18.3	6
135	Drivers of Organic Molecular Signatures in the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2021GB006938	5.9	2
134	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	3.7	3
133	Questions remain about the biolability of dissolved black carbon along the combustion continuum. <i>Nature Communications</i> , 2021 , 12, 4281	17.4	6

132	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	12.8	10
131	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 ¹⁰	5.9	10
130	How humans alter dissolved organic matter composition in freshwater: relevance for the Earth's biogeochemistry. <i>Biogeochemistry</i> , 2021 , 154, 323-348	3.8	16
129	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	4.8	2
128	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2021GB006953	5.9	4
127	Controls on Riverine Dissolved Organic Matter Composition Across an Arctic-Boreal Latitudinal Gradient. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG005988	3.7	3
126	Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. <i>Limnology and Oceanography</i> , 2021 , 66, 438-451	4.8	8
125	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , 2020 , 10, 8722	4.9	15
124	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, e2019JG005167	3.7	15
123	Groundwater as a major source of dissolved organic matter to Arctic coastal waters. <i>Nature Communications</i> , 2020 , 11, 1479	17.4	36
122	Mercury Export from Arctic Great Rivers. <i>Environmental Science & Technology</i> , 2020 , 54, 4140-4148	10.3	30
121	Hydrologic connectivity determines dissolved organic matter biogeochemistry in northern high-latitude lakes. <i>Limnology and Oceanography</i> , 2020 , 65, 1764-1780	4.8	13
120	Arctic River Dissolved and Biogenic Silicon Exports: Current Conditions and Future Changes With Warming. <i>Global Biogeochemical Cycles</i> , 2020 , 34, no	5.9	5
119	Characterisation of shallow groundwater dissolved organic matter in aeolian, alluvial and fractured rock aquifers. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 273, 163-176	5.5	21
118	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	2.1	6
117	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	1.3	0
116	Land-use controls on carbon biogeochemistry in lowland streams of the Congo Basin. <i>Global Change Biology</i> , 2020 , 26, 1374-1389	11.4	8
115	Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. <i>Limnology and Oceanography</i> , 2020 , 65, 1217-1234	4.8	14

114	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	12.5	11
113	Delineating the Continuum of Dissolved Organic Matter in Temperate River Networks. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2019GB006495	5.9	12
112	Life at the Frozen Limit: Microbial Carbon Metabolism Across a Late Pleistocene Permafrost Chronosequence. <i>Frontiers in Microbiology</i> , 2020 , 11, 1753	5.7	7
111	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	11.5	12
110	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	10.3	5
109	Du Feu l'Eau: Source and Flux of Dissolved Black Carbon From the Congo River. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2020GB006560	5.9	5
108	Glacier Loss Impacts Riverine Organic Carbon Transport to the Ocean. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089804	4.9	8
107	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	3.7	4
106	Changes in groundwater dissolved organic matter character in a coastal sand aquifer due to rainfall recharge. <i>Water Research</i> , 2020 , 169, 115201	12.5	34
105	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	3.7	9
104	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	10.3	21
103	Molecular-Level Composition and Acute Toxicity of Photosolubilized Petrogenic Carbon. <i>Environmental Science & Technology</i> , 2019 , 53, 8235-8243	10.3	29
102	Mobilization of aged and biolabile soil carbon by tropical deforestation. <i>Nature Geoscience</i> , 2019 , 12, 541-546	18.3	42
101	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	3.7	22
100	Identifying the Molecular Signatures of Agricultural Expansion in Amazonian Headwater Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 1637-1650	3.7	25
99	Microbial production and consumption of dissolved organic matter in glacial ecosystems on the Tibetan Plateau. <i>Water Research</i> , 2019 , 160, 18-28	12.5	40
98	Negligible cycling of terrestrial carbon in many lakes of the arid circumpolar landscape. <i>Nature Geoscience</i> , 2019 , 12, 180-185	18.3	40
97	Ice sheets matter for the global carbon cycle. <i>Nature Communications</i> , 2019 , 10, 3567	17.4	48

96	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	3.7	6
95	Extreme rates and diel variability of planktonic respiration in a shallow sub-arctic lake. <i>Aquatic Sciences</i> , 2019 , 81, 1	2.5	8
94	Isotopic composition of oceanic dissolved black carbon reveals non-riverine source. <i>Nature Communications</i> , 2019 , 10, 5064	17.4	35
93	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,	3.5	29
92	Constraining dissolved organic matter sources and temporal variability in a model sub-Arctic lake. <i>Biogeochemistry</i> , 2019 , 146, 271-292	3.8	13
91	Multidecadal climate-induced changes in Arctic tundra lake geochemistry and geomorphology. <i>Limnology and Oceanography</i> , 2019 , 64, S179	4.8	9
90	Glacier meltwater and monsoon precipitation drive Upper Ganges Basin dissolved organic matter composition. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 244, 216-228	5.5	14
89	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	3.7	25
88	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	3.7	16
87	The Ephemeral Signature of Permafrost Carbon in an Arctic Fluvial Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 1475-1485	3.7	35
86	Unifying Concepts Linking Dissolved Organic Matter Composition to Persistence in Aquatic Ecosystems. <i>Environmental Science & Technology</i> , 2018 , 52, 2538-2548	10.3	105
85	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	11.5	35
84	Examining Natural Attenuation and Acute Toxicity of Petroleum-Derived Dissolved Organic Matter with Optical Spectroscopy. <i>Environmental Science & Technology</i> , 2018 , 52, 6157-6166	10.3	34
83	Accumulation of Terrestrial Dissolved Organic Matter Potentially Enhances Dissolved Methane Levels in Eutrophic Lake Taihu, China. <i>Environmental Science & Technology</i> , 2018 , 52, 10297-10306	10.3	33
82	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	3.7	14
81	Terrestrial carbon inputs to inland waters: A current synthesis of estimates and uncertainty. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 132-142	7.9	189
80	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	4.6	15
79	An Assessment of Dissolved Organic Carbon Biodegradability and Priming in Blackwater Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 2998-3015	3.7	21

78	Increasing Alkalinity Export from Large Russian Arctic Rivers. <i>Environmental Science & Technology</i> , 2018 , 52, 8302-8308	10.3	44
77	Estimation and Sensitivity of Carbon Storage in Permafrost of North-Eastern Yakutia. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 379-390	4.2	23
76	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. <i>Limnology and Oceanography</i> , 2017 , 62, 1682-1700	4.8	32
75	Low photolability of yedoma permafrost dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 200-211	3.7	42
74	Temporal and Longitudinal Mercury Trends in Burbot (<i>Lota lota</i>) in the Russian Arctic. <i>Environmental Science & Technology</i> , 2017 , 51, 13436-13442	10.3	8
73	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	3.7	21
72	Irrigation as a fuel pump to freshwater ecosystems. <i>Biogeochemistry</i> , 2017 , 136, 71-90	3.8	3
71	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	4.2	17
70	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	2.6	17
69	The Genesis and Exodus of Vascular Plant DOM from an Oak Woodland Landscape. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	14
68	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	3.7	13
67	Particulate organic carbon and nitrogen export from major Arctic rivers. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 629-643	5.9	102
66	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	6.2	165
65	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	5.5	22
64	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	69
63	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	63
62	A novel molecular approach for tracing terrigenous dissolved organic matter into the deep ocean. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 689-699	5.9	42
61	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	4.9	25

60	Opportunities for hydrologic research in the Congo Basin. <i>Reviews of Geophysics</i> , 2016 , 54, 378-409	23.1	106
59	Origins, seasonality, and fluxes of organic matter in the Congo River. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 1105-1121	5.9	48
58	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	10.2	24
57	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> , 2016 , 121, 2727-2744	3.7	51
56	Storage and release of organic carbon from glaciers and ice sheets. <i>Nature Geoscience</i> , 2015 , 8, 91-96	18.3	192
55	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015 , 42, 2830-2835	2.8	211
54	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, 13946-51	11.5	155
53	Utilization of ancient permafrost carbon in headwaters of Arctic fluvial networks. <i>Nature Communications</i> , 2015 , 6, 7856	17.4	156
52	Spatial Variation in the Origin of Dissolved Organic Carbon in Snow on the Juneau Icefield, Southeast Alaska. <i>Environmental Science & Technology</i> , 2015 , 49, 11492-9	10.3	24
51	Riverine DOM 2015 , 509-533		67
50	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	3.7	15
49	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	2.6	11
48	Utilizing colored dissolved organic matter to derive dissolved black carbon export by arctic rivers. <i>Frontiers in Earth Science</i> , 2015 , 3,	3.5	58
47	Biodegradability of dissolved organic carbon in permafrost soils and aquatic systems: a meta-analysis. <i>Biogeosciences</i> , 2015 , 12, 6915-6930	4.6	112
46	Coordination and Sustainability of River Observing Activities in the Arctic. <i>Arctic</i> , 2015 , 68, 59	2.1	20
45	Evidence for key enzymatic controls on metabolism of Arctic river organic matter. <i>Global Change Biology</i> , 2014 , 20, 1089-100	11.4	61
44	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	3.7	44
43	Source and biolability of ancient dissolved organic matter in glacier and lake ecosystems on the Tibetan Plateau. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 142, 64-74	5.5	137

42	Low and declining mercury in arctic Russian rivers. <i>Environmental Science & Technology</i> , 2014 , 48, 747-52	10.3	11
41	Watershed Glacier Coverage Influences Dissolved Organic Matter Biogeochemistry in Coastal Watersheds of Southeast Alaska. <i>Ecosystems</i> , 2014 , 17, 1014-1025	3.9	20
40	Influences of glacier melt and permafrost thaw on the age of dissolved organic carbon in the Yukon River basin. <i>Global Biogeochemical Cycles</i> , 2014 , 28, 525-537	5.9	58
39	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	4.9	28
38	Seasonal variability of organic matter composition in an Alaskan glacier outflow: insights into glacier carbon sources. <i>Environmental Research Letters</i> , 2014 , 9, 055005	6.2	34
37	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	3.8	149
36	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	5.5	13
35	Global charcoal mobilization from soils via dissolution and riverine transport to the oceans. <i>Science</i> , 2013 , 340, 345-7	33.3	310
34	High biolability of ancient permafrost carbon upon thaw. <i>Geophysical Research Letters</i> , 2013 , 40, 2689-2693	6.9	197
33	Dissolved organic carbon loss from Yedoma permafrost amplified by ice wedge thaw. <i>Environmental Research Letters</i> , 2013 , 8, 035023	6.2	43
32	Inorganic carbon speciation and fluxes in the Congo River. <i>Geophysical Research Letters</i> , 2013 , 40, 511-514	6.9	60
31	Chromophoric dissolved organic matter export from U.S. rivers. <i>Geophysical Research Letters</i> , 2013 , 40, 1575-1579	4.9	68
30	Controls on dissolved organic carbon composition and export from rice-dominated systems. <i>Biogeochemistry</i> , 2012 , 108, 447-466	3.8	22
29	Anthropogenic aerosols as a source of ancient dissolved organic matter in glaciers. <i>Nature Geoscience</i> , 2012 , 5, 198-201	18.3	165
28	An initial investigation into the organic matter biogeochemistry of the Congo River. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 84, 614-627	5.5	94
27	Controls on the composition and lability of dissolved organic matter in Siberia's Kolyma River basin. <i>Journal of Geophysical Research</i> , 2012 , 117,		196
26	Dissolved organic carbon and chromophoric dissolved organic matter properties of rivers in the USA. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		233
25	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, n/a-n/a	5.9	149

24	Organic matter sources, fluxes and greenhouse gas exchange in the Oubangui River (Congo River basin). <i>Biogeosciences</i> , 2012 , 9, 2045-2062	4.6	75
23	Microbial degradation of plant leachate alters lignin phenols and trihalomethane precursors. <i>Journal of Environmental Quality</i> , 2010 , 39, 946-54	3.4	47
22	Fluorescence spectroscopy opens new windows into dissolved organic matter dynamics in freshwater ecosystems: A review. <i>Limnology and Oceanography</i> , 2010 , 55, 2452-2462	4.8	720
21	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,		122
20	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	3.1	54
19	Measurement of dissolved organic matter fluorescence in aquatic environments: an interlaboratory comparison. <i>Environmental Science & Technology</i> , 2010 , 44, 9405-12	10.3	418
18	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	4.8	396
17	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	3.7	132
16	Glaciers as a source of ancient and labile organic matter to the marine environment. <i>Nature</i> , 2009 , 462, 1044-7	50.4	360
15	Fluorescence-based proxies for lignin in freshwater dissolved organic matter. <i>Journal of Geophysical Research</i> , 2009 , 114,		102
14	Photochemical degradation of dissolved organic matter and dissolved lignin phenols from the Congo River. <i>Journal of Geophysical Research</i> , 2009 , 114,		194
13	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,	4.9	175
12	The role of hydrologic regimes on dissolved organic carbon composition in an agricultural watershed. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 5266-5277	5.5	96
11	Seasonal and spatial variability in dissolved organic matter quantity and composition from the Yukon River basin, Alaska. <i>Global Biogeochemical Cycles</i> , 2008 , 22, n/a-n/a	5.9	231
10	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> , 2007 , 21, 3181-3189	3.3	137
9	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> , 2007 , 74, 131-144	2.9	61
8	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, 2941-50	12.5	156
7	Characterization of dissolved organic matter from source to sea using fluorescence and absorbance spectroscopy. <i>Science of the Total Environment</i> , 2004 , 333, 217-32	10.2	188

6	Fluorescence Indices and Their Interpretation303-338		31
5	Zooplankton release complex dissolved organic matter to aquatic environments. <i>Biogeochemistry</i> ,1	3.8	1
4	Anthropogenic landcover impacts fluvial dissolved organic matter composition in the Upper Mississippi River Basin. <i>Biogeochemistry</i> ,1	3.8	1
3	The evolution of stream dissolved organic matter composition following glacier retreat in coastal watersheds of southeast Alaska. <i>Biogeochemistry</i> ,1	3.8	5
2	Climate Change Impacts on the Hydrology and Biogeochemistry of Arctic Rivers1-26		33
1	From canopy to consumer: what makes and modifies terrestrial DOM in a temperate forest. <i>Biogeochemistry</i> ,1	3.8	1