

Sunlight controls water column processing of carbon in

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Carbon cycling in the Arctic. <i>Science</i> , 2014, 345, 870-870.	6.0	12
6	Greenhouse gas metabolism in Nordic boreal lakes. <i>Biogeochemistry</i> , 2015, 126, 211-225.	1.7	77
7	The relative influence of land cover, hydrology, and in-stream processing on the composition of dissolved organic matter in boreal streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1491-1505.	1.3	84
8	A coupled hydrology–biogeochemistry model to simulate dissolved organic carbon exports from a permafrost–influenced catchment. <i>Hydrological Processes</i> , 2015, 29, 5383-5396.	1.1	29
9	CO ₂ outgassing from the Yellow River network and its implications for riverine carbon cycle. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1334-1347.	1.3	66
10	Recent decrease in DOC concentrations in Arctic lakes of southwest Greenland. <i>Geophysical Research Letters</i> , 2015, 42, 6703-6709.	1.5	26
11	Benthic community metabolism in deep and shallow Arctic lakes during 13 years of whole-lake fertilization. <i>Limnology and Oceanography</i> , 2015, 60, 1604-1618.	1.6	25
12	Oxygen dynamics in permafrost thaw lakes: Anaerobic bioreactors in the Canadian subarctic. <i>Limnology and Oceanography</i> , 2015, 60, 1656-1670.	1.6	59
13	Removal of terrestrial DOC in aquatic ecosystems of a temperate river network. <i>Geophysical Research Letters</i> , 2015, 42, 6671-6679.	1.5	61
14	Controls on dissolved organic matter (DOM) degradation in a headwater stream: the influence of photochemical and hydrological conditions in determining light-limitation or substrate-limitation of photo-degradation. <i>Biogeosciences</i> , 2015, 12, 6669-6685.	1.3	79
15	Reviews and syntheses: Effects of permafrost thaw on Arctic aquatic ecosystems. <i>Biogeosciences</i> , 2015, 12, 7129-7167.	1.3	354
16	The role of watershed characteristics, permafrost thaw, and wildfire on dissolved organic carbon biodegradability and water chemistry in Arctic headwater streams. <i>Biogeosciences</i> , 2015, 12, 4221-4233.	1.3	64
17	Operational surface UV radiation product from GOME-2 and AVHRR/3 data. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4399-4414.	1.2	22
18	Photomineralization and photomethanification of dissolved organic matter in Saguenay River surface water. <i>Biogeosciences</i> , 2015, 12, 6823-6836.	1.3	29
19	Dam tailwaters compound the effects of reservoirs on the longitudinal transport of organic carbon in an arid river. <i>Biogeosciences</i> , 2015, 12, 4345-4359.	1.3	15
21	Dissolved organic carbon (DOC) in Arctic ground ice. <i>Cryosphere</i> , 2015, 9, 737-752.	1.5	42
22	Contrasting regimes for organic matter degradation in the East Siberian Sea and the Laptev Sea assessed through microbial incubations and molecular markers. <i>Marine Chemistry</i> , 2015, 170, 11-22.	0.9	23
23	Refractory dissolved organic nitrogen accumulation in high-elevation lakes. <i>Nature Communications</i> , 2015, 6, 6347.	5.8	42

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25	Chemical composition of dissolved organic matter draining permafrost soils. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 167, 63-79.	1.6	88
26	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. <i>Environmental Science & Technology</i> , 2015, 49, 13798-13806.	4.6	166
27	Disentangling the Interactions Between Photochemical and Bacterial Degradation of Dissolved Organic Matter: Amino Acids Play a Central Role. <i>Microbial Ecology</i> , 2015, 69, 554-566.	1.4	37
28	Detecting the signature of permafrost thaw in Arctic rivers. <i>Geophysical Research Letters</i> , 2015, 42, 2830-2835.	1.5	261
29	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
30	Photochemical Production of Singlet Oxygen from Dissolved Organic Matter in Ice. <i>Environmental Science & Technology</i> , 2015, 49, 12808-12815.	4.6	34
31	Utilization of ancient permafrost carbon in headwaters of Arctic fluvial networks. <i>Nature Communications</i> , 2015, 6, 7856.	5.8	189
32	Shift in the chemical composition of dissolved organic matter in the Congo River network. <i>Biogeosciences</i> , 2016, 13, 5405-5420.	1.3	85
33	Photochemical mineralisation in a boreal brown water lake: considerable temporal variability and minor contribution to carbon dioxide production. <i>Biogeosciences</i> , 2016, 13, 3931-3943.	1.3	26
34	Optical properties and bioavailability of dissolved organic matter along a flow-path continuum from soil pore waters to the Kolyma River mainstem, East Siberia. <i>Biogeosciences</i> , 2016, 13, 2279-2290.	1.3	54
35	Projecting the release of carbon from permafrost soils using a perturbed parameter ensemble modelling approach. <i>Biogeosciences</i> , 2016, 13, 2123-2136.	1.3	43
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
37	Seasonal Dynamics in Dissolved Organic Matter, Hydrogen Peroxide, and Cyanobacterial Blooms in Lake Erie. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	57
38	Thermal stratification in small arctic lakes of southwest Greenland affected by water transparency and epilimnetic temperatures. <i>Limnology and Oceanography</i> , 2016, 61, 1530-1542.	1.6	39
39	Transitions in Arctic ecosystems: Ecological implications of a changing hydrological regime. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 650-674.	1.3	167
40	Sentinel responses to droughts, wildfires, and floods: effects of UV radiation on lakes and their ecosystem services. <i>Frontiers in Ecology and the Environment</i> , 2016, 14, 102-109.	1.9	67
41	Is the subarctic landscape still a carbon sink? Evidence from a detailed catchment balance. <i>Geophysical Research Letters</i> , 2016, 43, 1988-1995.	1.5	35
42	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.	1.3	94

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43	Dissolved organic matter composition of Arctic rivers: Linking permafrost and parent material to riverine carbon. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1811-1826.	1.9	56
44	Biofilm growth in gravel bed streams controls solute residence time distributions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1840-1850.	1.3	44
45	Production of fluorescent dissolved organic matter in Arctic Ocean sediments. <i>Scientific Reports</i> , 2016, 6, 39213.	1.6	80
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47	Freshwater biota and rising pCO_2 ?. <i>Ecology Letters</i> , 2016, 19, 98-108.	3.0	126
48	Terrestrial and marine perspectives on modeling organic matter degradation pathways. <i>Global Change Biology</i> , 2016, 22, 121-136.	4.2	50
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50	Apparent quantum yield of photochemical dissolved organic carbon mineralization in lakes. <i>Limnology and Oceanography</i> , 2016, 61, 2207-2221.	1.6	46
51	The role of metabolism in modulating CO_2 fluxes in boreal lakes. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1509-1525.	1.9	48
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55	Dissolved organic carbon uptake in streams: A review and assessment of reach-scale measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2019-2029.	1.3	83
56	Impact of photochemical processing of DOC on the bacterioplankton respiratory quotient in aquatic ecosystems. <i>Geophysical Research Letters</i> , 2016, 43, 7538-7545.	1.5	23
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59	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
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67	Metabolic and physiochemical responses to a whole-lake experimental increase in dissolved organic carbon in a north-temperate lake. Limnology and Oceanography, 2016, 61, 723-734.	1.6	48
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88	Riverine CO ₂ emissions in the Wuding River catchment on the Loess Plateau: Environmental controls and dam impoundment impact. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1439-1455.	1.3	46
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98	Climate change-induced increases in precipitation are reducing the potential for solar ultraviolet radiation to inactivate pathogens in surface waters. <i>Scientific Reports</i> , 2017, 7, 13033.	1.6	62
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103	Deep Yedoma permafrost: A synthesis of depositional characteristics and carbon vulnerability. <i>Earth-Science Reviews</i> , 2017, 172, 75-86.	4.0	236
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118	Nutrient Dynamics in Partially Drained Arctic Thaw Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 440-452.	1.3	8
119	Photochemical Mineralization of Terrigenous DOC to Dissolved Inorganic Carbon in Ocean. <i>Global Biogeochemical Cycles</i> , 2018, 32, 250-266.	1.9	30
120	Hydrologic and biogeochemical drivers of dissolved organic carbon and nitrate uptake in a headwater stream network. <i>Biogeochemistry</i> , 2018, 138, 23-48.	1.7	19
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122	Model-Data Fusion to Test Hypothesized Drivers of Lake Carbon Cycling Reveals Importance of Physical Controls. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1130-1142.	1.3	8
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135	Molecular Insights into Arctic Soil Organic Matter Degradation under Warming. <i>Environmental Science & Technology</i> , 2018, 52, 4555-4564.	4.6	74
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137	Effect of silver sulfide nanoparticles on photochemical degradation of dissolved organic matter in surface water. <i>Chemosphere</i> , 2018, 193, 1113-1119.	4.2	11
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148	Ecological Response to Permafrost Thaw and Consequences for Local and Global Ecosystem Services. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2018, 49, 279-301.	3.8	116
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150	Linking permafrost thaw to shifting biogeochemistry and food web resources in an arctic river. <i>Global Change Biology</i> , 2018, 24, 5738-5750.	4.2	50

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153	The study of carbon in inland waters“from isolated ecosystems to players in the global carbon cycle. <i>Limnology and Oceanography Letters</i> , 2018, 3, 41-48.	1.6	118
154	The molecular products and biogeochemical significance of lipid photooxidation in West Antarctic surface waters. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 244-264.	1.6	11
155	Quality transformation of dissolved organic carbon during water transit through lakes: contrasting controls by photochemical and biological processes. <i>Biogeosciences</i> , 2018, 15, 457-470.	1.3	26
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