

Dissolved organic carbon trends resulting from changes in ocean chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Diatoms as indicators of surface water acidity. , 0, , 85-127.		73
3	PALEOLIMNOLOGY Lake Chemistry. , 2007, , 2038-2046.		1
4	Influence of hydrology and seasonality on DOC exports from three contrasting upland catchments. Biogeochemistry, 2008, 90, 93-113.	1.7	150
5	Does elevated nitrogen deposition or ecosystem recovery from acidification drive increased dissolved organic carbon loss from upland soil? A review of evidence from field nitrogen addition experiments. Biogeochemistry, 2008, 91, 13-35.	1.7	126
6	Long-Term Trends in Stream Nitrate Concentrations and Losses Across Watersheds Undergoing Recovery from Acidification in the Czech Republic. Ecosystems, 2008, 11, 410-425.	1.6	61
7	Sedimentation in Boreal Lakes—The Role of Flocculation of Allochthonous Dissolved Organic Matter in the Water Column. Ecosystems, 2008, 11, 803-814.	1.6	174
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22	Linking pulses of atmospheric deposition to DOC release in an upland peat–covered catchment. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	9
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24	Functional properties of DOM in a stream draining blanket peat. <i>Science of the Total Environment</i> , 2008, 407, 566-573.	3.9	17
25	Assessing the accuracy of diatom-based transfer functions in defining reference pH conditions for acidified lakes in the United Kingdom. <i>Holocene</i> , 2008, 18, 57-67.	0.9	28
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953	Shifting limitation of primary production: experimental support for a new model in lake ecosystems. <i>Ecology Letters</i> , 2020, 23, 1800-1808.	3.0	23
954	Landscape Influence on the Browning of a Lake Watershed in the Adirondack Region of New York, USA. <i>Soil Systems</i> , 2020, 4, 50.	1.0	8
955	Dissolved organic matter regulates nutrient limitation and growth of benthic algae in northern lakes through interacting effects on nutrient and light availability. <i>Limnology and Oceanography Letters</i> , 2020, 5, 417-424.	1.6	22
956	Sea surface phytoplankton community response to nutrient and light changes. <i>Marine Biology</i> , 2020, 167, 1.	0.7	4
957	Shedding light on environmentally transmitted parasites: lighter conditions within lakes restrict epidemic size. <i>Ecology</i> , 2020, 101, e03168.	1.5	17
958	Increasing concentration of polyunsaturated fatty acids in browning boreal lakes is driven by nuisance alga <i>Gonyostomum</i> . <i>Ecosphere</i> , 2020, 11, e03189.	1.0	16
959	Decadal Changes in Trace Metal Concentrations in Upland Headwater Lakes. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 679-684.	1.3	1
960	Response of Submerged Macrophyte Growth, Morphology, Chlorophyll Content and Nutrient Stoichiometry to Increased Flow Velocity and Elevated CO ₂ and Dissolved Organic Carbon Concentrations. <i>Frontiers in Environmental Science</i> , 2020, 11, .	1.5	7
961	Diatom assemblages are controlled by light attenuation in oligotrophic and mesotrophic lakes in northern Ontario (Canada). <i>Journal of Paleolimnology</i> , 2020, 64, 419-433.	0.8	8
962	Editorial Perspectives: Scottish Water case study. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2257-2258.	1.2	0
963	Significant stream chemistry response to temperature variations in a high-elevation mountain watershed. <i>Communications Earth & Environment</i> , 2020, 1, .	2.6	16
964	The dissolved organic carbon flux from the UK â€“ A new Bayesian approach to flux calculation. <i>Journal of Hydrology</i> , 2020, 590, 125511.	2.3	3
965	Motile phytoplankton species such as <i>Gonyostomum semen</i> can significantly reduce CO ₂ emissions from boreal lakes. <i>Limnologia</i> , 2020, 84, 125810.	0.7	5
966	Spatial and temporal variation in Arctic freshwater chemistryâ€”Reflecting climateâ€”induced landscape alterations and a changing template for biodiversity. <i>Freshwater Biology</i> , 2022, 67, 14-29.	1.2	20
967	From Highs to Lows: Changes in Dissolved Organic Carbon in a Peatland Catchment and Lake Following Extreme Flow Events. <i>Water (Switzerland)</i> , 2020, 12, 2843.	1.2	8
968	Long-Term (2001â€”2020) Nutrient Transport from a Small Boreal Agricultural Watershed: Hydrological Control and Potential of Retention Ponds. <i>Water (Switzerland)</i> , 2020, 12, 2731.	1.2	2
969	Riverine impacts on benthic biodiversity and functional traits: A comparison of two sub-Arctic fjords. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 240, 106774.	0.9	29

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972	The effects of dissolved organic matter from a native and an invasive plant species on juvenile <i>Daphnia</i> survival and growth. <i>Journal of Plankton Research</i> , 2020, 42, 453-456.	0.8	3
973	Dissolved organic carbon and surface active substances in the northern Adriatic Sea: Long-term trends, variability and drivers. <i>Science of the Total Environment</i> , 2020, 730, 139104.	3.9	23
974	Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. <i>Nature Ecology and Evolution</i> , 2020, 4, 1060-1068.	3.4	336
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976	The impact of lime additions on mercury dynamics in stream chemistry and macroinvertebrates: a comparison of watershed and direct stream addition management strategies. <i>Ecotoxicology</i> , 2020, 29, 1627-1643.	1.1	1
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978	A review of mass flux monitoring and estimation methods for biogeochemical interface processes in watersheds. <i>Journal of Chinese Geography</i> , 2020, 30, 881-907.	1.5	9
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980	Influence of Riverine Input on Norwegian Coastal Systems. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	30
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982	Differences in the Effects of Storms on Dissolved Organic Carbon (DOC) in Boreal Lakes during an Early Summer Storm and an Autumn Storm. <i>Water (Switzerland)</i> , 2020, 12, 1452.	1.2	5
983	Spatiotemporal variations of DOM components in the Kushiro River impacted by a wetland. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18287-18302.	2.7	6
984	Recent advances in understanding and measurement of mercury in the environment: Terrestrial Hg cycling. <i>Science of the Total Environment</i> , 2020, 721, 137647.	3.9	91
985	Changes in global groundwater organic carbon driven by climate change and urbanization. <i>Nature Communications</i> , 2020, 11, 1279.	5.8	128
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987	Rapid Recent Recovery from Acidic Deposition in Central Ontario Lakes. <i>Soil Systems</i> , 2020, 4, 10.	1.0	14

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989	Dissolved organic nutrient uptake by riverine phytoplankton varies along a gradient of nutrient enrichment. <i>Science of the Total Environment</i> , 2020, 722, 137837.	3.9	40
990	Rising methane emissions from boreal lakes due to increasing ice-free days. <i>Environmental Research Letters</i> , 2020, 15, 064008.	2.2	25
991	Decreasing organic carbon bioreactivity in European rivers. <i>Freshwater Biology</i> , 2020, 65, 1128-1138.	1.2	17
992	Habitat-Mediated Responses of Zooplankton to Decreasing Light in Two Temperate Lakes Undergoing Long-Term Browning. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	15
993	Impacts of Global Change on Ocean Dissolved Organic Carbon (DOC) Cycling. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	91
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995	Impacts of a deep reactive layer on sedimentary phosphorus dynamics in a boreal lake recovering from eutrophication. <i>Hydrobiologia</i> , 2020, 847, 4401-4423.	1.0	16
996	Streamwater responses to reduced nitrogen deposition at four small upland catchments in Norway. <i>Ambio</i> , 2020, 49, 1759-1770.	2.8	14
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1000	Soil acidification as an additional driver to organic carbon accumulation in major Chinese croplands. <i>Geoderma</i> , 2020, 366, 114234.	2.3	87
1001	Ultraviolet absorbance monitoring for removal of DBP-precursor in waters with variable quality: Enhanced coagulation revisited. <i>Science of the Total Environment</i> , 2020, 717, 137225.	3.9	13
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1003	Large-Scale Retrieval of Coloured Dissolved Organic Matter in Northern Lakes Using Sentinel-2 Data. <i>Remote Sensing</i> , 2020, 12, 157.	1.8	22
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1009	Patterns and trends of fish mercury in New York State. <i>Ecotoxicology</i> , 2020, 29, 1709-1720.	1.1	8
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1011	Light exposure decreases infectivity of the <i>Daphnia</i> parasite <i>Pasteuria ramosa</i> . <i>Journal of Plankton Research</i> , 2020, 42, 41-44.	0.8	9
1012	Modeling response of water quality parameters to land-use and climate change in a temperate, mesotrophic lake. <i>Science of the Total Environment</i> , 2020, 713, 136549.	3.9	29
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1014	High resolution multi-annual riverine fluxes of organic carbon, nutrient and trace element from the largest European Arctic river, Severnaya Dvina. <i>Chemical Geology</i> , 2020, 538, 119491.	1.4	35
1015	Carbon gas flux to and from inland waters: support for a global observation network. <i>Limnology</i> , 2020, 21, 429-442.	0.8	7
1016	Road salt chloride retention in wetland soils and effects on dissolved organic carbon export. <i>Chemistry and Ecology</i> , 2020, 36, 342-359.	0.6	9
1017	Modelling spatiotemporal patterns of water quality and its impacts on aquatic ecosystem in the cold climate region of Alberta, Canada. <i>Journal of Hydrology</i> , 2020, 587, 124952.	2.3	30
1018	Does browning affect the identity of limiting nutrients in lakes?. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	20
1019	Changes in nutritional quality and nutrient limitation regimes of phytoplankton in response to declining N deposition in mountain lakes. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	15
1020	Effect of terrestrial organic matter on ocean acidification and CO ₂ flux in an Arctic shelf sea. <i>Progress in Oceanography</i> , 2020, 185, 102319.	1.5	20
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1026	Vibrational modes of water predict spectral niches for photosynthesis in lakes and oceans. <i>Nature Ecology and Evolution</i> , 2021, 5, 55-66.	3.4	35
1027	Land-use and climate controls on aquatic carbon cycling and phototrophs in karst lakes of southwest China. <i>Science of the Total Environment</i> , 2021, 751, 141738.	3.9	18
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1029	Ongoing increases in dissolved organic carbon are sustained by decreases in ionic strength rather than decreased acidity in waters recovering from acidic deposition. <i>Science of the Total Environment</i> , 2021, 766, 142529.	3.9	22
1030	Sulphate in freshwater ecosystems: A review of sources, biogeochemical cycles, ecotoxicological effects and bioremediation. <i>Earth-Science Reviews</i> , 2021, 212, 103446.	4.0	82
1031	A toolbox for visualizing trends in large-scale environmental data. <i>Environmental Modelling and Software</i> , 2021, 136, 104949.	1.9	14
1032	Patterns and trends in lake concentrations of dissolved organic carbon in a landscape recovering from environmental degradation and widespread acidification. <i>Science of the Total Environment</i> , 2021, 765, 142679.	3.9	13
1033	Dimensions of climate change and its consequences on ecosystem functioning. , 2021, , 109-149.		2
1034	Impacts of global climate change on water quality and its assessment. , 2021, , 229-275.		2
1036	Chemical recovery and browning of Nova Scotia surface waters in response to declining acid deposition. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 446-456.	1.7	13
1037	Low Recruitment in a Population of Brook Trout in a Norwegian Watershed—Is It Due to Dilution of the Water Chemistry?. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	0
1038	How humans alter dissolved organic matter composition in freshwater: relevance for the Earth's biogeochemistry. <i>Biogeochemistry</i> , 2021, 154, 323-348.	1.7	75
1040	Changing sources and processes sustaining surface CO ₂ and CH ₄ fluxes along a tropical river to reservoir system. <i>Biogeosciences</i> , 2021, 18, 1333-1350.	1.3	14
1041	Landscape controls on riverine export of dissolved organic carbon from Great Britain. <i>Biogeochemistry</i> , 2023, 164, 163-184.	1.7	26
1042	Lake browning may fuel phytoplankton biomass and trigger shifts in phytoplankton communities in temperate lakes. <i>Aquatic Sciences</i> , 2021, 83, 1.	0.6	33
1043	Stream Macroinvertebrates and Carbon Cycling in Tangled Food Webs. <i>Ecosystems</i> , 2021, 24, 1944-1961.	1.6	10

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1049	Environmental drivers of cladoceran assemblages at a continental scale: A synthesis of Alaskan and Canadian datasets. <i>Freshwater Biology</i> , 2021, 66, 949-967.	1.2	9
1050	Effects of climate and atmospheric deposition on a boreal lake chemistry: A synthesis of 36 years of monitoring data. <i>Science of the Total Environment</i> , 2021, 758, 143639.	3.9	16
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1054	Coral Skeletal Luminescence Records Changes in Terrestrial Chromophoric Dissolved Organic Matter in Tropical Coastal Waters. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092130.	1.5	6
1055	Relative importance of organic- and iron-based colloids in six Nova Scotian lakes. <i>Npj Clean Water</i> , 2021, 4, .	3.1	12
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1058	Rapid development of fast and flexible environmental models: the Mobius framework v1.0. <i>Geoscientific Model Development</i> , 2021, 14, 1885-1897.	1.3	6
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1060	Simulation of Dissolved Organic Carbon Flux in the Penobscot Watershed, Maine. <i>Ecohydrology and Hydrobiology</i> , 2021, 21, 256-270.	1.0	11
1061	Attenuation of photosynthetically active radiation and ultraviolet radiation in response to changing dissolved organic carbon in browning lakes: Modeling and parametrization. <i>Limnology and Oceanography</i> , 2021, 66, 2278-2289.	1.6	13
1062	Hysteresis Patterns of Watershed Nitrogen Retention and Loss Over the Past 50 years in United States Hydrological Basins. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006777.	1.9	29
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1069	Multi-decadal improvement in US Lake water clarity. <i>Environmental Research Letters</i> , 2021, 16, 055025.	2.2	27
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1071	Shifting Patterns of Summer Lake Color Phenology in Over 26,000 US Lakes. <i>Water Resources Research</i> , 2021, 57, e2020WR029123.	1.7	17
1072	Peatland drainage - a missing link behind increasing TOC concentrations in waters from high latitude forest catchments?. <i>Science of the Total Environment</i> , 2021, 774, 145150.	3.9	38
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1079	Indirect versus direct effects of freshwater browning on larval fish foraging. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 969-983.	0.7	2
1080	<sc>Long-term</sc> water color and flow trends in the Mississippi River Headwaters, 1944-2010. <i>Limnology and Oceanography</i> , 2021, 66, 3552-3567.	1.6	5
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1084	A 25-year retrospective analysis of factors influencing success of aluminum treatment for lake restoration. <i>Water Research</i> , 2021, 200, 117267.	5.3	4
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1089	Integrating ecosystem metabolism and consumer allochthony reveals nonlinear drivers in lake organic matter processing. <i>Limnology and Oceanography</i> , 0, , .	1.6	3
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1098	Brownification in Lake Bolmen, Sweden, and its relationship to natural and human-induced changes. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100863.	1.0	8
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1100	Effects of Organic Carbon Origin on Hydrophobic Organic Contaminant Fate in the Baltic Sea. <i>Environmental Science & Technology</i> , 2021, 55, 13061-13071.	4.6	7
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1104	Forest disturbance and salvage logging have neutral long-term effects on drinking water quality but alter biodiversity. <i>Forest Ecology and Management</i> , 2021, 495, 119354.	1.4	8
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1107	Low hydrological connectivity after summer drought inhibits DOC export in a forested headwater catchment. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5133-5151.	1.9	19
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