Martin Berggren

List of Publications by Citations

44 papers	2,204 citations	23 h-index	46 g-index
48 ext. papers	2,637 ext. citations	5.7 avg, IF	4.94 L-index

#	Paper	IF	Citations
44	Patterns and Dynamics of Dissolved Organic Carbon (DOC) in Boreal Streams: The Role of Processes, Connectivity, and Scaling. *Ecosystems*, **2011**, 14, 880-893	3.9	281
43	What's in an EEM? Molecular signatures associated with dissolved organic fluorescence in boreal Canada. *Environmental Science & Technology*, **2014**, 48, 10598-606	10.3	213
42	Increases in terrestrially derived carbon stimulate organic carbon processing and CO_2 emissions in boreal aquatic ecosystems. *Nature Communications*, **2013**, 4, 2972	17.4	174
41	Efficient aquatic bacterial metabolism of dissolved low-molecular-weight compounds from terrestrial sources. *ISME Journal*, **2010**, 4, 408-16	11.9	132
40	Global change-driven effects on dissolved organic matter composition: Implications for food webs of northern lakes. *Global Change Biology*, **2018**, 24, 3692-3714	11.4	118
39	Lake secondary production fueled by rapid transfer of low molecular weight organic carbon from terrestrial sources to aquatic consumers. *Ecology Letters*, **2010**, 13, 870-80	10	115
38	Magnitude and regulation of bacterioplankton respiratory quotient across freshwater environmental gradients. *ISME Journal*, **2012**, 6, 984-93	11.9	109
37	Terrestrial organic matter support of lake food webs: Evidence from lake metabolism and stable hydrogen isotopes of consumers. *Limnology and Oceanography*, **2012**, 57, 1042-1048	4.8	108
36	Landscape regulation of bacterial growth efficiency in boreal freshwaters. *Global Biogeochemical Cycles*, **2007**, 21, n/a-n/a	5.9	107
35	Dissolved organic carbon characteristics in boreal streams in a forest-wetland gradient during the transition between winter and summer. *Journal of Geophysical Research*, **2008**, 113,		103
34	Patchy field sampling biases understanding of climate change impacts across the Arctic. *Nature Ecology and Evolution*, **2018**, 2, 1443-1448	12.3	71
33	Terrestrial support of lake food webs: Synthesis reveals controls over cross-ecosystem resource use. *Science Advances*, **2017**, 3, e1601765	14.3	64
32	Terrestrial export of highly bioavailable carbon from small boreal catchments in spring floods. *Freshwater Biology*, **2008**, 53, 964-972	3.1	64
31	Aging of allochthonous organic carbon regulates bacterial production in unproductive boreal lakes. *Limnology and Oceanography*, **2009**, 54, 1333-1342	4.8	59
30	Distinct patterns of microbial metabolism associated to riverine dissolved organic carbon of different source and quality. *Journal of Geophysical Research G: Biogeosciences*, **2015**, 120, 989-999	3.7	58
29	Hydrological control of organic carbon support for bacterial growth in boreal headwater streams. *Microbial Ecology*, **2009**, 57, 170-8	4.4	56
28	Contrasting patterns of allochthony among three major groups of crustacean zooplankton in boreal and temperate lakes. *Ecology*, **2014**, 95, 1947-59	4.6	51

27	Nutrient constraints on metabolism affect the temperature regulation of aquatic bacterial growth efficiency. *Microbial Ecology*, **2010**, 60, 894-902	4.4	42
26	Intraspecific Autochthonous and Allochthonous Resource Use by Zooplankton in a Humic Lake during the Transitions between Winter, Summer and Fall. *PLoS ONE*, **2015**, 10, e0120575	3.7	37
25	Degradation potentials of dissolved organic carbon (DOC) from thawed permafrost peat. *Scientific Reports*, **2017**, 7, 45811	4.9	34
24	Bioavailable phosphorus in humic headwater streams in boreal Sweden. *Limnology and Oceanography*, **2012**, 57, 1161-1170	4.8	26
23	New insights on resource stoichiometry: assessing availability of carbon, nitrogen, and phosphorus to bacterioplankton. *Biogeosciences*, **2017**, 14, 1527-1539	4.6	25
22	Toward an ecologically meaningful view of resource stoichiometry in DOM-dominated aquatic systems. *Journal of Plankton Research*, **2015**, 37, 489-499	2.2	23
21	Influence of soil frost on the character and degradability of dissolved organic carbon in boreal forest soils. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 829-840	3.7	15
20	Large-Scale Retrieval of Coloured Dissolved Organic Matter in Northern Lakes Using Sentinel-2 Data. *Remote Sensing*, **2020**, 12, 157	5	13
19	Quality transformation of dissolved organic carbon during water transit through lakes: contrasting controls by photochemical and biological processes. *Biogeosciences*, **2018**, 15, 457-470	4.6	13
18	Impact of photochemical processing of DOC on the bacterioplankton respiratory quotient in aquatic ecosystems. *Geophysical Research Letters*, **2016**, 43, 7538-7545	4.9	12
17	Controls on Dissolved Organic Carbon Bioreactivity in River Systems. *Scientific Reports*, **2019**, 9, 14897	4.9	10
16	The role of the understory in litter DOC and nutrient leaching in boreal forests. *Biogeochemistry*, **2020**, 149, 87-103	3.8	9
15	Contrasting dynamics and environmental controls of dispersed bacteria along a hydrologic gradient. *Advances in Oceanography and Limnology*, **2017**, 8,	1.3	9
14	Bacterioplankton Responses to Increased Organic Carbon and Nutrient Loading in a Boreal Estuary-Separate and Interactive Effects on Growth and Respiration. *Microbial Ecology*, **2018**, 76, 144-155	4.4	9
13	Photo-reactivity of dissolved organic carbon in the freshwater continuum. *Aquatic Sciences*, **2019**, 81, 1	2.5	9
12	Decreasing organic carbon bioreactivity in European rivers. *Freshwater Biology*, **2020**, 65, 1128-1138	3.1	7
11	Terrestrial support of zooplankton biomass in northern rivers. *Limnology and Oceanography*, **2018**, 63, 2479-2492	4.8	5
10	Impacts of litter decay on organic leachate composition and reactivity. *Biogeochemistry*, **2021**, 154, 99-117	3.8	4

9	Indirect link between riverine dissolved organic matter and bacterioplankton respiration in a boreal estuary. *Marine Environmental Research*, **2019**, 148, 39-45	3.3	3
8	Dissolved organic carbon in streams within a subarctic catchment analysed using a GIS/remote sensing approach. *PLoS ONE*, **2018**, 13, e0199608	3.7	3
7	Response to Comment: Terrestrial support of pelagic consumers in unproductive lakesUncertainty and potential in assessments using stable isotopes. *Limnology and Oceanography*, **2014**, 59, 1800-1803	4.8	3
6	Systematic microbial production of optically active dissolved organic matter in subarctic lake water. *Limnology and Oceanography*, **2020**, 65, 951-961	4.8	3
5	In situ plankton community respiration measurements show low respiratory quotients in a eutrophic lake. *Environmental Microbiology*, **2019**, 21, 1425-1435	5.2	2
4	Bacterial utilization of imported organic material in three small nested humic lakes. *Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology*, **2010**, 30, 1393-1396		2
3	Response of the peatland carbon dioxide sink function to future climate change scenarios and water level management. *Global Change Biology*, **2021**, 27, 5154-5168	11.4	2
2	Morphometric Control on Dissolved Organic Carbon in Subarctic Streams. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2019JG005348	3.7	
1	The undetected loss of aged carbon from boreal mineral soils. *Scientific Reports*, **2021**, 11, 6202	4.9	