

Martin Berggren

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.

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	The undetected loss of aged carbon from boreal mineral soils. <i>Scientific Reports</i> , 2021 , 11, 6202	4.9	
43	Impacts of litter decay on organic leachate composition and reactivity. <i>Biogeochemistry</i> , 2021 , 154, 99-117	3.8	4
42	Response of the peatland carbon dioxide sink function to future climate change scenarios and water level management. <i>Global Change Biology</i> , 2021 , 27, 5154-5168	11.4	2
41	The role of the understory in litter DOC and nutrient leaching in boreal forests. <i>Biogeochemistry</i> , 2020 , 149, 87-103	3.8	9
40	Decreasing organic carbon bioreactivity in European rivers. <i>Freshwater Biology</i> , 2020 , 65, 1128-1138	3.1	7
39	Large-Scale Retrieval of Coloured Dissolved Organic Matter in Northern Lakes Using Sentinel-2 Data. <i>Remote Sensing</i> , 2020 , 12, 157	5	13
38	Systematic microbial production of optically active dissolved organic matter in subarctic lake water. <i>Limnology and Oceanography</i> , 2020 , 65, 951-961	4.8	3
37	Morphometric Control on Dissolved Organic Carbon in Subarctic Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2019JG005348	3.7	
36	Indirect link between riverine dissolved organic matter and bacterioplankton respiration in a boreal estuary. <i>Marine Environmental Research</i> , 2019 , 148, 39-45	3.3	3
35	In situ plankton community respiration measurements show low respiratory quotients in a eutrophic lake. <i>Environmental Microbiology</i> , 2019 , 21, 1425-1435	5.2	2
34	Photo-reactivity of dissolved organic carbon in the freshwater continuum. <i>Aquatic Sciences</i> , 2019 , 81, 1	2.5	9
33	Controls on Dissolved Organic Carbon Bioreactivity in River Systems. <i>Scientific Reports</i> , 2019 , 9, 14897	4.9	10
32	Global change-driven effects on dissolved organic matter composition: Implications for food webs of northern lakes. <i>Global Change Biology</i> , 2018 , 24, 3692-3714	11.4	118
31	Bacterioplankton Responses to Increased Organic Carbon and Nutrient Loading in a Boreal Estuary-Separate and Interactive Effects on Growth and Respiration. <i>Microbial Ecology</i> , 2018 , 76, 144-155	4.4	9
30	Terrestrial support of zooplankton biomass in northern rivers. <i>Limnology and Oceanography</i> , 2018 , 63, 2479-2492	4.8	5
29	Dissolved organic carbon in streams within a subarctic catchment analysed using a GIS/remote sensing approach. <i>PLoS ONE</i> , 2018 , 13, e0199608	3.7	3
28	Patchy field sampling biases understanding of climate change impacts across the Arctic. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1443-1448	12.3	71

27	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	4.6	13
26	Degradation potentials of dissolved organic carbon (DOC) from thawed permafrost peat. <i>Scientific Reports</i> , 2017 , 7, 45811	4.9	34
25	Terrestrial support of lake food webs: Synthesis reveals controls over cross-ecosystem resource use. <i>Science Advances</i> , 2017 , 3, e1601765	14.3	64
24	Contrasting dynamics and environmental controls of dispersed bacteria along a hydrologic gradient. <i>Advances in Oceanography and Limnology</i> , 2017 , 8,	1.3	9
23	New insights on resource stoichiometry: assessing availability of carbon, nitrogen, and phosphorus to bacterioplankton. <i>Biogeosciences</i> , 2017 , 14, 1527-1539	4.6	25
22	Impact of photochemical processing of DOC on the bacterioplankton respiratory quotient in aquatic ecosystems. <i>Geophysical Research Letters</i> , 2016 , 43, 7538-7545	4.9	12
21	Influence of soil frost on the character and degradability of dissolved organic carbon in boreal forest soils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 829-840	3.7	15
20	Toward an ecologically meaningful view of resource stoichiometry in DOM-dominated aquatic systems. <i>Journal of Plankton Research</i> , 2015 , 37, 489-499	2.2	23
19	Distinct patterns of microbial metabolism associated to riverine dissolved organic carbon of different source and quality. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 989-999	3.7	58
18	Intraspecific Autochthonous and Allochthonous Resource Use by Zooplankton in a Humic Lake during the Transitions between Winter, Summer and Fall. <i>PLoS ONE</i> , 2015 , 10, e0120575	3.7	37
17	What's in an EEM? Molecular signatures associated with dissolved organic fluorescence in boreal Canada. <i>Environmental Science & Technology</i> , 2014 , 48, 10598-606	10.3	213
16	Contrasting patterns of allochthony among three major groups of crustacean zooplankton in boreal and temperate lakes. <i>Ecology</i> , 2014 , 95, 1947-59	4.6	51
15	Response to Comment: Terrestrial support of pelagic consumers in unproductive lakes—Uncertainty and potential in assessments using stable isotopes. <i>Limnology and Oceanography</i> , 2014 , 59, 1800-1803	4.8	3
14	Increases in terrestrially derived carbon stimulate organic carbon processing and CO ₂ emissions in boreal aquatic ecosystems. <i>Nature Communications</i> , 2013 , 4, 2972	17.4	174
13	Magnitude and regulation of bacterioplankton respiratory quotient across freshwater environmental gradients. <i>ISME Journal</i> , 2012 , 6, 984-93	11.9	109
12	Bioavailable phosphorus in humic headwater streams in boreal Sweden. <i>Limnology and Oceanography</i> , 2012 , 57, 1161-1170	4.8	26
11	Terrestrial organic matter support of lake food webs: Evidence from lake metabolism and stable hydrogen isotopes of consumers. <i>Limnology and Oceanography</i> , 2012 , 57, 1042-1048	4.8	108
10	Patterns and Dynamics of Dissolved Organic Carbon (DOC) in Boreal Streams: The Role of Processes, Connectivity, and Scaling. <i>Ecosystems</i> , 2011 , 14, 880-893	3.9	281

9	Efficient aquatic bacterial metabolism of dissolved low-molecular-weight compounds from terrestrial sources. <i>ISME Journal</i> , 2010 , 4, 408-16	11.9	132
8	Lake secondary production fueled by rapid transfer of low molecular weight organic carbon from terrestrial sources to aquatic consumers. <i>Ecology Letters</i> , 2010 , 13, 870-80	10	115
7	Bacterial utilization of imported organic material in three small nested humic lakes. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2010 , 30, 1393-1396		2
6	Nutrient constraints on metabolism affect the temperature regulation of aquatic bacterial growth efficiency. <i>Microbial Ecology</i> , 2010 , 60, 894-902	4.4	42
5	Hydrological control of organic carbon support for bacterial growth in boreal headwater streams. <i>Microbial Ecology</i> , 2009 , 57, 170-8	4.4	56
4	Aging of allochthonous organic carbon regulates bacterial production in unproductive boreal lakes. <i>Limnology and Oceanography</i> , 2009 , 54, 1333-1342	4.8	59
3	Terrestrial export of highly bioavailable carbon from small boreal catchments in spring floods. <i>Freshwater Biology</i> , 2008 , 53, 964-972	3.1	64
2	Dissolved organic carbon characteristics in boreal streams in a forest-wetland gradient during the transition between winter and summer. <i>Journal of Geophysical Research</i> , 2008 , 113,		103
1	Landscape regulation of bacterial growth efficiency in boreal freshwaters. <i>Global Biogeochemical Cycles</i> , 2007 , 21, n/a-n/a	5.9	107