

Lars J Tranvik

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8860986/lars-j-tranvik-publications-by-year.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180 papers	22,035 citations	75 h-index	147 g-index
190 ext. papers	25,355 ext. citations	6.6 avg, IF	6.93 L-index

#	Paper	IF	Citations
180	Comprehensive analysis of chemical and biological problems associated with browning agents used in aquatic studies. <i>Limnology and Oceanography: Methods</i> , 2021 , 19, 818	2.6	1
179	Spatial and vertical distribution of aerobic and anaerobic dark inorganic carbon fixation in coastal tropical lake sediments. <i>Aquatic Sciences</i> , 2021 , 83, 1	2.5	1
178	SITES AquaNet: An open infrastructure for mesocosm experiments with high frequency sensor monitoring across lakes. <i>Limnology and Oceanography: Methods</i> , 2021 , 19, 385-400	2.6	3
177	Organic Matter Degradation across Ecosystem Boundaries: The Need for a Unified Conceptualization. <i>Trends in Ecology and Evolution</i> , 2021 , 36, 113-122	10.9	8
176	Character and environmental lability of cyanobacteria-derived dissolved organic matter. <i>Limnology and Oceanography</i> , 2021 , 66, 496-509	4.8	10
175	Short-term apparent mutualism drives responses of aquatic prey to increasing productivity. <i>Journal of Animal Ecology</i> , 2021 , 90, 834-845	4.7	2
174	Selective Adsorption of Terrestrial Dissolved Organic Matter to Inorganic Surfaces Along a Boreal Inland Water Continuum. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2019JG005236	3.7	16
173	The emergence of fatty acids in aquatic insects as vectors along a productivity gradient. <i>Freshwater Biology</i> , 2020 , 65, 565-578	3.1	8
172	Particles and Aeration at Mire-Stream Interfaces Cause Selective Removal and Modification of Dissolved Organic Matter. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2020JG005654	3.7	2
171	Predicting lake dissolved organic carbon at a global scale. <i>Scientific Reports</i> , 2020 , 10, 8471	4.9	18
170	The CO ₂ -equivalent balance of freshwater ecosystems is non-linearly related to productivity. <i>Global Change Biology</i> , 2020 , 26, 5705-5715	11.4	10
169	Investigating the Ionization of Dissolved Organic Matter by Electrospray. <i>Analytical Chemistry</i> , 2020 , 92, 14210-14218	7.8	12
168	Integrating Aquatic and Terrestrial Perspectives to Improve Insights Into Organic Matter Cycling at the Landscape Scale. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	12
167	Complexity of dissolved organic matter in the molecular size dimension: insights from coupled size exclusion chromatography electrospray ionisation mass spectrometry. <i>Faraday Discussions</i> , 2019 , 218, 52-71	3.6	24
166	Potential terrestrial influence on transparent exopolymer particle concentrations in boreal freshwaters. <i>Limnology and Oceanography</i> , 2019 , 64, 2455-2466	4.8	5
165	Colored organic matter increases CO ₂ in meso-eutrophic lake water through altered light climate and acidity. <i>Limnology and Oceanography</i> , 2019 , 64, 744-756	4.8	11
164	Extreme isomeric complexity of dissolved organic matter found across aquatic environments. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 21-30	7.9	44

163	Online HPLC-ESI-HRMS Method for the Analysis and Comparison of Different Dissolved Organic Matter Samples. <i>Environmental Science & Technology</i> , 2018 , 52, 2091-2099	10.3	49
162	Simulation of photoreactive transients and of photochemical transformation of organic pollutants in sunlit boreal lakes across 14 degrees of latitude: A photochemical mapping of Sweden. <i>Water Research</i> , 2018 , 129, 94-104	12.5	17
161	Unraveling the size-dependent optical properties of dissolved organic matter. <i>Limnology and Oceanography</i> , 2018 , 63, 588-601	4.8	23
160	Organic Carbon Processing During Transport Through Boreal Inland Waters: Particles as Important Sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 2412-2428	3.7	28
159	Regional diversity of complex dissolved organic matter across forested hemiboreal headwater streams. <i>Scientific Reports</i> , 2018 , 8, 16060	4.9	24
158	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	7.9	66
157	Preferential sequestration of terrestrial organic matter in boreal lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 863-874	3.7	31
156	Emergence of the Reactivity Continuum of Organic Matter from Kinetics of a Multitude of Individual Molecular Constituents. <i>Environmental Science & Technology</i> , 2017 , 51, 11571-11579	10.3	28
155	Organic carbon burial in global lakes and reservoirs. <i>Nature Communications</i> , 2017 , 8, 1694	17.4	168
154	Temperature Dependence of Apparent Respiratory Quotients and Oxygen Penetration Depth in Contrasting Lake Sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 3076-3087	3.7	7
153	Molecular Determinants of Dissolved Organic Matter Reactivity in Lake Water. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	27
152	Evaluation of the Orbitrap Mass Spectrometer for the Molecular Fingerprinting Analysis of Natural Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2016 , 88, 7698-704	7.8	95
151	Effects of compositional changes on reactivity continuum and decomposition kinetics of lake dissolved organic matter. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 1733-1746	3.7	29
150	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
149	Sensitivity of freshwaters to browning in response to future climate change. <i>Climatic Change</i> , 2016 , 134, 225-239	4.5	65
148	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	4.6	21
147	Organic carbon decomposition rates controlled by water retention time across inland waters. <i>Nature Geoscience</i> , 2016 , 9, 501-504	18.3	192
146	Apparent quantum yield of photochemical dissolved organic carbon mineralization in lakes. <i>Limnology and Oceanography</i> , 2016 , 61, 2207-2221	4.8	22

145	Impact of TiO ₂ nanoparticles on freshwater bacteria from three Swedish lakes. <i>Science of the Total Environment</i> , 2015 , 535, 85-93	10.2	30
144	Estimating lake carbon fractions from remote sensing data. <i>Remote Sensing of Environment</i> , 2015 , 157, 138-146	13.2	51
143	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	3.7	67
142	Temperature sensitivity of organic carbon mineralization in contrasting lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 1215-1225	3.7	41
141	Phosphorus transport by the largest Amazon tributary (Madeira River, Brazil) and its sensitivity to precipitation and damming. <i>Inland Waters</i> , 2015 , 5, 275-282	2.4	15
140	Reactivity continuum modeling of leaf, root, and wood decomposition across biomes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 1196-1214	3.7	16
139	Absence of a priming effect on dissolved organic carbon degradation in lake water. <i>Limnology and Oceanography</i> , 2015 , 60, 159-168	4.8	65
138	Persistence of dissolved organic matter in lakes related to its molecular characteristics. <i>Nature Geoscience</i> , 2015 , 8, 454-457	18.3	288
137	Significant fraction of CO ₂ emissions from boreal lakes derived from hydrologic inorganic carbon inputs. <i>Nature Geoscience</i> , 2015 , 8, 933-936	18.3	126
136	Tracking changes in the optical properties and molecular composition of dissolved organic matter during drinking water production. <i>Water Research</i> , 2015 , 85, 286-94	12.5	135
135	Comparative study on bacterial carbon sources in lake sediments: the role of methanotrophy. <i>Aquatic Microbial Ecology</i> , 2015 , 76, 39-47	1.1	5
134	Chemodiversity of dissolved organic matter in lakes driven by climate and hydrology. <i>Nature Communications</i> , 2014 , 5, 3804	17.4	312
133	A global inventory of lakes based on high-resolution satellite imagery. <i>Geophysical Research Letters</i> , 2014 , 41, 6396-6402	4.9	737
132	Biogeochemistry. Carbon cycling in the Arctic. <i>Science</i> , 2014 , 345, 870	33.3	11
131	Controls of dissolved organic matter quality: evidence from a large-scale boreal lake survey. <i>Global Change Biology</i> , 2014 , 20, 1101-14	11.4	207
130	Sunlight-induced carbon dioxide emissions from inland waters. <i>Global Biogeochemical Cycles</i> , 2014 , 28, 696-711	5.9	91
129	Greenhouse gas production in low-latitude lake sediments responds strongly to warming. <i>Nature Climate Change</i> , 2014 , 4, 467-470	21.4	111
128	Comparison of floating chamber and eddy covariance measurements of lake greenhouse gas fluxes. <i>Biogeosciences</i> , 2014 , 11, 4225-4233	4.6	52

127	Hourly, daily, and seasonal variability in the absorption spectra of chromophoric dissolved organic matter in a eutrophic, humic lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 1985-1998	3.7	18
126	Regional-scale variation of dissolved organic carbon concentrations in Swedish lakes. <i>Limnology and Oceanography</i> , 2014 , 59, 1612-1620	4.8	24
125	Browning of boreal freshwaters coupled to carbon-iron interactions along the aquatic continuum. <i>PLoS ONE</i> , 2014 , 9, e88104	3.7	99
124	Biogeography of bacterial communities exposed to progressive long-term environmental change. <i>ISME Journal</i> , 2013 , 7, 937-48	11.9	221
123	Selective chlorination of natural organic matter: identification of previously unknown disinfection byproducts. <i>Environmental Science & Technology</i> , 2013 , 47, 2264-71	10.3	143
122	Emissions from Amazonian dams. <i>Nature Climate Change</i> , 2013 , 3, 1005-1005	21.4	12
121	Different diversity-functioning relationship in lake and stream bacterial communities. <i>FEMS Microbiology Ecology</i> , 2013 , 85, 95-103	4.3	26
120	A fractal-based approach to lake size-distributions. <i>Geophysical Research Letters</i> , 2013 , 40, 517-521	4.9	50
119	Simultaneous measurements of dark carbon fixation and bacterial production in lake sediment. <i>Limnology and Oceanography: Methods</i> , 2013 , 11, 298-303	2.6	1
118	Inner filter correction of dissolved organic matter fluorescence. <i>Limnology and Oceanography: Methods</i> , 2013 , 11, 616-630	2.6	167
117	Spatial variation of sediment mineralization supports differential CO ₂ emissions from a tropical hydroelectric reservoir. <i>Frontiers in Microbiology</i> , 2013 , 4, 101	5.7	25
116	Dark carbon fixation: an important process in lake sediments. <i>PLoS ONE</i> , 2013 , 8, e65813	3.7	29
115	In-lake processes offset increased terrestrial inputs of dissolved organic carbon and color to lakes. <i>PLoS ONE</i> , 2013 , 8, e70598	3.7	90
114	Sequestration and Loss of Organic Carbon in Inland Waters: From Microscale to Global Scale 2013 , 349-351		2
113	Resistance and resilience of microbial communities--temporal and spatial insurance against perturbations. <i>Environmental Microbiology</i> , 2012 , 14, 2283-92	5.2	51
112	Pronounced seasonal dynamics of freshwater chitinase genes and chitin processing. <i>Environmental Microbiology</i> , 2012 , 14, 2467-79	5.2	12
111	Terrestrial subsidies to lake food webs: an experimental approach. <i>Oecologia</i> , 2012 , 168, 807-18	2.9	39
110	Hydroelectric carbon sequestration. <i>Nature Geoscience</i> , 2012 , 5, 838-840	18.3	49

109	Selective loss and preservation of lake water dissolved organic matter fluorescence during long-term dark incubations. <i>Science of the Total Environment</i> , 2012 , 433, 238-46	10.2	116
108	Reciprocal subsidies between freshwater and terrestrial ecosystems structure consumer resource dynamics. <i>Ecology</i> , 2012 , 93, 1173-82	4.6	114
107	Reactivity continuum of dissolved organic carbon decomposition in lake water. <i>Journal of Geophysical Research</i> , 2012 , 117,		105
106	Unraveling assembly of stream biofilm communities. <i>ISME Journal</i> , 2012 , 6, 1459-68	11.9	182
105	Selective decay of terrestrial organic carbon during transport from land to sea. <i>Global Change Biology</i> , 2012 , 18, 349-355	11.4	100
104	Automated mapping of water bodies using Landsat multispectral data. <i>Limnology and Oceanography: Methods</i> , 2012 , 10, 1037-1050	2.6	129
103	Constrained microbial processing of allochthonous organic carbon in boreal lake sediments. <i>Limnology and Oceanography</i> , 2012 , 57, 163-175	4.8	75
102	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , 2012 , 2, 229-236	2.4	195
101	Large-scale and long-term decrease in fish growth following the construction of hydroelectric reservoirs. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011 , 68, 2167-2173	2.4	15
100	Carbon emission from hydroelectric reservoirs linked to reservoir age and latitude. <i>Nature Geoscience</i> , 2011 , 4, 593-596	18.3	467
99	Freshwater methane emissions offset the continental carbon sink. <i>Science</i> , 2011 , 331, 50	33.3	903
98	ROLE OF AQUATIC NETWORKS IN THE BOREAL CARBON CYCLE: EMERGING ISSUES WORKSHOP REPORT. <i>Limnology and Oceanography Bulletin</i> , 2011 , 20, 36-37	0.9	
97	Microbial biomass and community composition in boreal lake sediments. <i>Limnology and Oceanography</i> , 2011 , 56, 725-733	4.8	37
96	Function-specific response to depletion of microbial diversity. <i>ISME Journal</i> , 2011 , 5, 351-61	11.9	141
95	Multifunctionality and diversity in bacterial biofilms. <i>PLoS ONE</i> , 2011 , 6, e23225	3.7	80
94	Temperature-controlled organic carbon mineralization in lake sediments. <i>Nature</i> , 2010 , 466, 478-81	50.4	350
93	Stable isotope analysis of benthic fauna and their food sources in boreal lakes. <i>Journal of the North American Benthological Society</i> , 2010 , 29, 1339-1348		31
92	Variations in colored dissolved organic matter between boreal lakes studied by satellite remote sensing. <i>Journal of Applied Remote Sensing</i> , 2009 , 3, 033538	1.4	23

91	Microbial leaf degraders in boreal streams: bringing together stochastic and deterministic regulators of community composition. <i>Freshwater Biology</i> , 2009 , 54, 2276-2289	3.1	12
90	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009 , 54, 2298-2314	4.8	1528
89	Linking allochthonous dissolved organic matter and boreal lake sediment carbon sequestration: The role of light-mediated flocculation. <i>Limnology and Oceanography</i> , 2008 , 53, 2416-2426	4.8	93
88	Phototransformations of Dissolved Organic Nitrogen 2008 , 511-527		
87	Compensatory nutrient enrichment in an oligotrophic mountain reservoir: Effects and fate of added nutrients. <i>Aquatic Sciences</i> , 2008 , 70, 323-336	2.5	8
86	Sedimentation in Boreal Lakes: The Role of Flocculation of Allochthonous Dissolved Organic Matter in the Water Column. <i>Ecosystems</i> , 2008 , 11, 803-814	3.9	137
85	Are high Arctic surface microlayers a potential source of aerosol organic precursors?. <i>Marine Chemistry</i> , 2008 , 108, 109-122	3.7	53
84	Effect of exposure to sunlight and phosphorus-limitation on bacterial degradation of coloured dissolved organic matter (CDOM) in freshwater. <i>FEMS Microbiology Ecology</i> , 2008 , 64, 230-9	4.3	41
83	Food-web relationships and community structures in high-latitude lakes 2008 , 269-290		15
82	Integrating aquatic carbon fluxes in a boreal catchment carbon budget. <i>Journal of Hydrology</i> , 2007 , 334, 141-150	6	108
81	Photochemical production of ammonium and transformation of dissolved organic matter in the Baltic Sea. <i>Marine Chemistry</i> , 2007 , 104, 227-240	3.7	222
80	The fate of production in the central Arctic Ocean: Top-down regulation by zooplankton expatriates?. <i>Progress in Oceanography</i> , 2007 , 72, 84-113	3.8	103
79	Degradation rates of organic phosphorus in lake sediment. <i>Biogeochemistry</i> , 2007 , 82, 15-28	3.8	131
78	Plumbing the Global Carbon Cycle: Integrating Inland Waters into the Terrestrial Carbon Budget. <i>Ecosystems</i> , 2007 , 10, 172-185	3.9	2235
77	Does ecosystem size determine aquatic bacterial richness? Comment. <i>Ecology</i> , 2007 , 88, 252-3; discussion 253-5	4.6	13
76	Patterns and regulation of dissolved organic carbon: An analysis of 7,500 widely distributed lakes. <i>Limnology and Oceanography</i> , 2007 , 52, 1208-1219	4.8	314
75	Terrestrial carbon and intraspecific size-variation shape lake ecosystems. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 316-22	10.9	238
74	First evidence for a bipolar distribution of dominant freshwater lake bacterioplankton. <i>Antarctic Science</i> , 2007 , 19, 245-252	1.7	18

73	Changes in bacterial community composition along a solar radiation gradient in humic waters. <i>Aquatic Sciences</i> , 2006 , 68, 415-424	2.5	18
72	Organic carbon budget for the Gulf of Bothnia. <i>Journal of Marine Systems</i> , 2006 , 63, 155-161	2.7	55
71	Contribution of fungi and bacteria to the formation of dissolved organic carbon from decaying common reed (<i>Phragmites australis</i>). <i>Archiv Für Hydrobiologie</i> , 2006 , 166, 79-97		31
70	Structure and function of bacterial communities emerging from different sources under identical conditions. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 212-20	4.8	126
69	Antagonism between bacteria and fungi: substrate competition and a possible tradeoff between fungal growth and tolerance towards bacteria. <i>Oikos</i> , 2006 , 113, 233-242	4	132
68	Interactions of bacteria and fungi on decomposing litter: differential extracellular enzyme activities. <i>Ecology</i> , 2006 , 87, 2559-69	4.6	285
67	Degradation of organic phosphorus compounds in anoxic Baltic Sea sediments: A ³¹ P nuclear magnetic resonance study. <i>Limnology and Oceanography</i> , 2006 , 51, 2341-2348	4.8	59
66	The global abundance and size distribution of lakes, ponds, and impoundments. <i>Limnology and Oceanography</i> , 2006 , 51, 2388-2397	4.8	1118
65	Litter-associated bacteria and fungi: a comparison of biomass and communities across lakes and plant species. <i>Freshwater Biology</i> , 2006 , 51, 730-741	3.1	31
64	Iron Constraints on Planktonic Primary Production in Oligotrophic Lakes. <i>Ecosystems</i> , 2006 , 9, 1094-1105	3.9	53
63	Weak coupling between community composition and functioning of aquatic bacteria. <i>Limnology and Oceanography</i> , 2005 , 50, 957-967	4.8	126
62	Abundance, activity, and community structure of pelagic methane-oxidizing bacteria in temperate lakes. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 6746-52	4.8	98
61	Sediment depth attenuation of biogenic phosphorus compounds measured by ³¹ P NMR. <i>Environmental Science & Technology</i> , 2005 , 39, 867-72	10.3	190
60	Temperature independence of carbon dioxide supersaturation in global lakes. <i>Global Biogeochemical Cycles</i> , 2005 , 19, n/a-n/a	5.9	253
59	Contribution of sediment respiration to summer CO ₂ emission from low productive boreal and subarctic lakes. <i>Microbial Ecology</i> , 2005 , 50, 529-35	4.4	53
58	Using Satellite Remote Sensing to Estimate the Colored Dissolved Organic Matter Absorption Coefficient in Lakes. <i>Ecosystems</i> , 2005 , 8, 709-720	3.9	89
57	Electrospray mass spectrometry to study lake water DOM and effects of microbial degradation. <i>International Journal of Environmental Analytical Chemistry</i> , 2005 , 85, 15-27	1.8	4
56	Emission of CO ₂ from hydroelectric reservoirs in northern Sweden. <i>Archiv Für Hydrobiologie</i> , 2004 , 159, 25-42		13

55	Degradation of dissolved organic matter in oxic and anoxic lake water. <i>Limnology and Oceanography</i> , 2004 , 49, 109-116	4.8	101
54	Role of lakes for organic carbon cycling in the boreal zone. <i>Global Change Biology</i> , 2004 , 10, 141-147	11.4	230
53	Abundance and functions of natural organic matter species in soil and water. <i>Aquatic Sciences</i> , 2004 , 66, 149-150	2.5	2
52	Particulates of the surface microlayer of open water in the central Arctic Ocean in summer. <i>Marine Chemistry</i> , 2004 , 91, 131-141	3.7	83
51	Seasonal variation of CO ₂ saturation in the Gulf of Bothnia: Indications of marine net heterotrophy. <i>Global Biogeochemical Cycles</i> , 2004 , 18, n/a-n/a	5.9	35
50	Methane emissions from lakes: Dependence of lake characteristics, two regional assessments, and a global estimate. <i>Global Biogeochemical Cycles</i> , 2004 , 18, n/a-n/a	5.9	691
49	Ergosterol as a measure of living fungal biomass: persistence in environmental samples after fungal death. <i>Journal of Microbiological Methods</i> , 2004 , 59, 253-62	2.8	149
48	Photochemical effects on the interaction of enzymes and dissolved organic matter in natural waters. <i>Limnology and Oceanography</i> , 2003 , 48, 1818-1824	4.8	23
47	Antagonism between bacteria and fungi on decomposing aquatic plant litter. <i>Microbial Ecology</i> , 2003 , 45, 173-82	4.4	127
46	Food webs in sub-Antarctic lakes: a stable isotope approach. <i>Polar Biology</i> , 2003 , 26, 783-788	2	29
45	Salinity as a structuring factor for the composition and performance of bacterioplankton degrading riverine DOC. <i>FEMS Microbiology Ecology</i> , 2003 , 45, 189-202	4.3	88
44	Depth distribution of active bacteria and bacterial activity in lake sediment. <i>FEMS Microbiology Ecology</i> , 2003 , 46, 31-8	4.3	97
43	Photochemical effects on microbial activity in natural waters: the interaction of reactive oxygen species and dissolved organic matter. <i>FEMS Microbiology Ecology</i> , 2003 , 46, 353-7	4.3	73
42	The catchment and climate regulation of pCO ₂ in boreal lakes. <i>Global Change Biology</i> , 2003 , 9, 630-641	11.4	248
41	METHANE AS A SOURCE OF CARBON AND ENERGY FOR LAKE PELAGIC FOOD WEBS. <i>Ecology</i> , 2003 , 84, 969-981	4.6	136
40	Heterotrophic bacterial growth efficiency and community structure at different natural organic carbon concentrations. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 3701-9	4.8	228
39	Terrestrial export of organic carbon. <i>Nature</i> , 2002 , 415, 861-862	50.4	243
38	SUMMER INPUTS OF RIVERINE NUTRIENTS TO THE BALTIC SEA: BIOAVAILABILITY AND EUTROPHICATION RELEVANCE. <i>Ecological Monographs</i> , 2002 , 72, 579-597	9	124

37	Measurement of methane oxidation in lakes: a comparison of methods. <i>Environmental Science & Technology</i> , 2002 , 36, 3354-61	10.3	152
36	SUMMER INPUTS OF RIVERINE NUTRIENTS TO THE BALTIC SEA: BIOAVAILABILITY AND EUTROPHICATION RELEVANCE 2002 , 72, 579		3
35	Effects of enrichment on simple aquatic food webs. <i>American Naturalist</i> , 2001 , 157, 654-69	3.7	70
34	Contrasting effects of solar UV radiation on dissolved organic sources for bacterial growth. <i>Ecology Letters</i> , 2001 , 4, 458-463	10	198
33	2001 , 35, 43-50		8
32	The leucine incorporation method estimates bacterial growth equally well in both oxic and anoxic lake waters. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 2916-21	4.8	29
31	Photochemical transformation of dissolved organic matter in lakes. <i>Limnology and Oceanography</i> , 2000 , 45, 753-762	4.8	265
30	Bioavailability and sources of DOC and DON in macrophyte stands of a tropical coastal lake. <i>Hydrobiologia</i> , 2000 , 436, 241-248	2.4	29
29	Bioavailability of wetland-derived DON to freshwater and marine bacterioplankton. <i>Limnology and Oceanography</i> , 1999 , 44, 1477-1485	4.8	101
28	PRODUCTION OF INORGANIC CARBON FROM AQUATIC MACROPHYTES BY SOLAR RADIATION. <i>Ecology</i> , 1999 , 80, 1852-1859	4.6	49
27	Effects of solar radiation on bacterial and fungal density on aquatic plant detritus. <i>Freshwater Biology</i> , 1999 , 41, 575-582	3.1	12
26	Differential Dissolved Organic Nitrogen Availability and Bacterial Aminopeptidase Activity in Limnic and Marine Waters. <i>Microbial Ecology</i> , 1999 , 38, 264-272	4.4	64
25	Effects of sunlight on occurrence and bacterial turnover of specific carbon and nitrogen compounds in lake water. <i>FEMS Microbiology Ecology</i> , 1998 , 25, 217-227	4.3	22
24	Effects of sunlight on occurrence and bacterial turnover of specific carbon and nitrogen compounds in lake water. <i>FEMS Microbiology Ecology</i> , 1998 , 25, 217-227	4.3	31
23	Consumption patterns, complexity and enrichment in aquatic food chains. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 901-906	4.4	22
22	Aquatic Humic Matter: from Molecular Structure to Ecosystem Stability. <i>Ecological Studies</i> , 1998 , 333-342.	1.1	7
21	Humic Substances as Ecosystem Modifiers Introduction. <i>Ecological Studies</i> , 1998 , 1-6	1.1	2
20	Degradation of Dissolved Organic Matter in Humic Waters by Bacteria. <i>Ecological Studies</i> , 1998 , 259-283.	1.1	57

19	Predator Regulation of Aquatic Microbial Abundance in Simple Food Webs of Sub-Antarctic Lakes. <i>Oikos</i> , 1997 , 79, 347	4	13
18	Rapid fluorometric assay of bacterial density in lake water and seawater. <i>Limnology and Oceanography</i> , 1997 , 42, 1629-1634	4.8	17
17	Quantification of invertebrate predation and herbivory in food chains of low complexity. <i>Oecologia</i> , 1996 , 108, 542-551	2.9	23
16	Photo-oxidative production of dissolved inorganic carbon in lakes of different humic content. <i>Limnology and Oceanography</i> , 1996 , 41, 698-706	4.8	215
15	Colloidal and dissolved organic matter in lake water: Carbohydrate and amino acid composition, and ability to support bacterial growth. <i>Biogeochemistry</i> , 1995 , 30, 77	3.8	50
14	Enhanced bacterial growth in response to photochemical transformation of dissolved organic matter. <i>Limnology and Oceanography</i> , 1995 , 40, 195-199	4.8	181
13	Effects of colloidal organic matter on the growth of bacteria and protists in lake water. <i>Limnology and Oceanography</i> , 1994 , 39, 1276-1285	4.8	18
12	Colloidal and Dissolved Organic Matter Excreted by a Mixotrophic Flagellate during Bacterivory and Autotrophy. <i>Applied and Environmental Microbiology</i> , 1994 , 60, 1884-8	4.8	17
11	Microbial transformation of labile dissolved organic matter into humic-like matter in seawater. <i>FEMS Microbiology Ecology</i> , 1993 , 12, 177-183	4.3	58
10	Allochthonous dissolved organic matter as an energy source for pelagic bacteria and the concept of the microbial loop 1992 , 107-114		10
9	Allochthonous dissolved organic matter as an energy source for pelagic bacteria and the concept of the microbial loop. <i>Hydrobiologia</i> , 1992 , 229, 107-114	2.4	168
8	In situ mineralization of chlorinated phenols by pelagic bacteria in lakes of differing humic content. <i>Environmental Toxicology and Chemistry</i> , 1991 , 10, 195-200	3.8	9
7	Bacterioplankton growth on fractions of dissolved organic carbon of different molecular weights from humic and clear waters. <i>Applied and Environmental Microbiology</i> , 1990 , 56, 1672-7	4.8	111
6	Occurrence of bacterivory in <i>Cryptomonas</i> , a common freshwater phytoplankter. <i>Oecologia</i> , 1989 , 78, 473-476	2.9	107
5	Bacterioplankton growth, grazing mortality and quantitative relationship to primary production in a humic and a clearwater lake. <i>Journal of Plankton Research</i> , 1989 , 11, 985-1000	2.2	106
4	Effects of flocculated humic matter on free and attached pelagic microorganisms. <i>Limnology and Oceanography</i> , 1989 , 34, 688-699	4.8	34
3	Availability of dissolved organic carbon for planktonic bacteria in oligotrophic lakes of differing humic content. <i>Microbial Ecology</i> , 1988 , 16, 311-22	4.4	273
2	Bacterial growth in mixed cultures on dissolved organic carbon from humic and clear waters. <i>Applied and Environmental Microbiology</i> , 1987 , 53, 482-8	4.8	96

- 1 Photochemical mineralisation in a humic boreal lake: temporal variability and contribution to carbon dioxide production

7