

David Bastviken

List of Publications by Year in descending order

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Version: 2024-02-01

160
papers

15,022
citations

39113

52
h-index

23173

116
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208
all docs

208
docs citations

208
times ranked

13047
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-methane volatile organic compound flux from a subarctic mire in Northern Sweden. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 226.	0.8	33
2	Chlorination of soil organic matter: The role of humus type and land use. <i>Science of the Total Environment</i> , 2022, 806, 150478.	3.9	9
3	Ground-based remote sensing of CH ₄ and N ₂ O fluxes from a wastewater treatment plant and nearby biogas production with discoveries of unexpected sources. <i>Environmental Research</i> , 2022, 204, 111978.	3.7	14
4	Chemosynthesis. , 2022, , 118-135.		1
5	Methane. , 2022, , 136-154.		2
6	Global increase in methane production under future warming of lake bottom waters. <i>Global Change Biology</i> , 2022, 28, 5427-5440.	4.2	27
7	Groundwater discharge as a driver of methane emissions from Arctic lakes. <i>Nature Communications</i> , 2022, 13, .	5.8	18
8	Unraveling the chemodiversity of halogenated disinfection by-products formed during drinking water treatment using target and non-target screening tools. <i>Journal of Hazardous Materials</i> , 2021, 401, 123681.	6.5	40
9	Turbulence in a small boreal lake: Consequences for air-water gas exchange. <i>Limnology and Oceanography</i> , 2021, 66, 827-854.	1.6	27
10	Chlorine cycling and the fate of Cl in terrestrial environments. <i>Environmental Science and Pollution Research</i> , 2021, 28, 7691-7709.	2.7	23
11	Global importance of methane emissions from drainage ditches and canals. <i>Environmental Research Letters</i> , 2021, 16, 044010.	2.2	45
12	Spatial and vertical distribution of aerobic and anaerobic dark inorganic carbon fixation in coastal tropical lake sediments. <i>Aquatic Sciences</i> , 2021, 83, 1.	0.6	4
13	Low Diffusive Methane Emissions From the Main Channel of a Large Amazonian Run-of-the-River Reservoir Attributed to High Methane Oxidation. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	6
14	Whole-lake methane emissions from two temperate shallow lakes with fluctuating water levels: Relevance of spatiotemporal patterns. <i>Limnology and Oceanography</i> , 2021, 66, 2455-2469.	1.6	15
15	The consolidated European synthesis of CH ₄ and N ₂ O emissions for the European Union and United Kingdom: 1990-2017. <i>Earth System Science Data</i> , 2021, 13, 2307-2362.	3.7	16
16	Ultra-broadband infrared gas sensor for pollution detection: the TRIAGE project. <i>JPhys Photonics</i> , 2021, 3, 031003.	2.2	8
17	How green can Amazon hydropower be? Net carbon emission from the largest hydropower plant in Amazonia. <i>Science Advances</i> , 2021, 7, .	4.7	18
18	Small artificial waterbodies are widespread and persistent emitters of methane and carbon dioxide. <i>Global Change Biology</i> , 2021, 27, 5109-5123.	4.2	50

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19	Sensitive Drone Mapping of Methane Emissions without the Need for Supplementary Ground-Based Measurements. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2668-2676.	1.2	18
20	Spatiotemporal Methane Emission From Global Reservoirs. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006305.	1.3	23
21	Diel Variability of CO ₂ Emissions From Northern Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006246.	1.3	14
22	Phosphorus Regulation of Methane Oxidation in Water From Ice-Covered Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006190.	1.3	8
23	Annual CO ₂ and CH ₄ fluxes in coastal earthen ponds with <i>Litopenaeus vannamei</i> in southeastern China. <i>Aquaculture</i> , 2021, 545, 737229.	1.7	21
24	Molecular changes among non-volatile disinfection by-products between drinking water treatment and consumer taps. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 2335-2345.	1.2	5
25	Methane in Lakes: Variability in Stable Carbon Isotopic Composition and the Potential Importance of Groundwater Input. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
26	BAWLD-CH ₄ : a comprehensive dataset of methane fluxes from boreal and arctic ecosystems. <i>Earth System Science Data</i> , 2021, 13, 5151-5189.	3.7	44
27	The Boreal-Arctic Wetland and Lake Dataset (BAWLD). <i>Earth System Science Data</i> , 2021, 13, 5127-5149.	3.7	46
28	Error Characteristics of Pan-Arctic Digital Elevation Models and Elevation Derivatives in Northern Sweden. <i>Remote Sensing</i> , 2021, 13, 4653.	1.8	8
29	When does temperature matter for ecosystem respiration?. <i>Environmental Research Communications</i> , 2021, 3, 121001.	0.9	8
30	Opposing Effects of Climate and Permafrost Thaw on CH ₄ and CO ₂ Emissions From Northern Lakes. <i>AGU Advances</i> , 2021, 2, e2021AV000515.	2.3	13
31	Molecular differences between water column and sediment pore water SPE-DOM in ten Swedish boreal lakes. <i>Water Research</i> , 2020, 170, 115320.	5.3	45
32	Large increase in diffusive greenhouse gas fluxes from subtropical shallow aquaculture ponds during the passage of typhoons. <i>Journal of Hydrology</i> , 2020, 583, 124643.	2.3	14
33	Methane emission from high latitude lakes: methane-centric lake classification and satellite-driven annual cycle of emissions. <i>Scientific Reports</i> , 2020, 10, 12465.	1.6	35
34	Diel variability of methane emissions from lakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21488-21494.	3.3	50
35	Selective removal of natural organic matter during drinking water production changes the composition of disinfection by-products. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 779-794.	1.2	31
36	Technical note: Facilitating the use of low-cost methane (CH ₄) sensors in flux chambers – calibration, data processing, and an open-source make-it-yourself logger. <i>Biogeosciences</i> , 2020, 17, 3659-3667.	1.3	25

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37	The Global Methane Budget 2000–2017. <i>Earth System Science Data</i> , 2020, 12, 1561-1623.	3.7	1,199
38	Technical note: Greenhouse gas flux studies: an automated online system for gas emission measurements in aquatic environments. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3417-3430.	1.9	11
39	Photo-reactivity of dissolved organic carbon in the freshwater continuum. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	14
40	Radiotracer evidence that the rhizosphere is a hot-spot for chlorination of soil organic matter. <i>Plant and Soil</i> , 2019, 443, 245-257.	1.8	10
41	Natural Lakes Are a Minor Global Source of N ₂ O to the Atmosphere. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1564-1581.	1.9	40
42	Structure, function and resilience to desiccation of methanogenic microbial communities in temporarily inundated soils of the Amazon rainforest (Cunia Reserve, Rondonia). <i>Environmental Microbiology</i> , 2019, 21, 1702-1717.	1.8	18
43	Delineating northern peatlands using Sentinel-1 time series and terrain indices from local and regional digital elevation models. <i>Remote Sensing of Environment</i> , 2019, 231, 111252.	4.6	22
44	Waterworks-specific composition of drinking water disinfection by-products. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 861-872.	1.2	38
45	Innovative drinking water treatment techniques reduce the disinfection-induced oxidative stress and genotoxic activity. <i>Water Research</i> , 2019, 155, 182-192.	5.3	41
46	Methane dynamics in an estuarine brackish <i>Cyperus malaccensis</i> marsh: Production and porewater concentration in soils, and net emissions to the atmosphere over five years. <i>Geoderma</i> , 2019, 337, 132-142.	2.3	18
47	Evaluating gas chromatography with a halogen-specific detector for the determination of disinfection by-products in drinking water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7305-7314.	2.7	21
48	Carbon dioxide and methane emissions of Swedish low-order streams: a national estimate and lessons learnt from more than a decade of observations. <i>Limnology and Oceanography Letters</i> , 2018, 3, 156-167.	1.6	49
49	Remote sensing of methane and nitrous oxide fluxes from waste incineration. <i>Waste Management</i> , 2018, 75, 319-326.	3.7	16
50	Large but variable methane production in anoxic freshwater sediment upon addition of allochthonous and autochthonous organic matter. <i>Limnology and Oceanography</i> , 2018, 63, 1488-1501.	1.6	121
51	Extensive processing of sediment pore water dissolved organic matter during anoxic incubation as observed by high-field mass spectrometry (FTICR-MS). <i>Water Research</i> , 2018, 129, 252-263.	5.3	78
52	Greenhouse gas emissions from boreal inland waters unchanged after forest harvesting. <i>Biogeosciences</i> , 2018, 15, 5575-5594.	1.3	16
53	The importance of small artificial water bodies as sources of methane emissions in Queensland, Australia. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5281-5298.	1.9	53
54	Methane and carbon dioxide fluxes over a lake: comparison between eddy covariance, floating chambers and boundary layer method. <i>Biogeosciences</i> , 2018, 15, 429-445.	1.3	81

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55	Technical note: A simple approach for efficient collection of field reference data for calibrating remote sensing mapping of northern wetlands. <i>Biogeosciences</i> , 2018, 15, 1549-1557.	1.3	2
56	Abundance and $\delta^{13}\text{C}$ values of fatty acids in lacustrine surface sediments: Relationships with in-lake methane concentrations. <i>Quaternary Science Reviews</i> , 2018, 191, 337-347.	1.4	6
57	Anaerobic digestion of wastewater from the production of bleached chemical thermo-mechanical pulp - higher methane production for hardwood than softwood. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 140-151.	1.6	3
58	Approaches for hyperspectral remote flux quantification and visualization of GHGs in the environment. <i>Remote Sensing of Environment</i> , 2017, 191, 81-94.	4.6	25
59	Preferential sequestration of terrestrial organic matter in boreal lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 863-874.	1.3	53
60	Spatio-temporal patterns of stream methane and carbon dioxide emissions in a hemiboreal catchment in Southwest Sweden. <i>Scientific Reports</i> , 2017, 7, 39729.	1.6	58
61	Spatiotemporal variability of lake pCO_2 and CO_2 fluxes in a hemiboreal catchment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 30-49.	1.3	54
62	Effects of coastal marsh conversion to shrimp aquaculture ponds on CH_4 and N_2O emissions. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 199, 125-131.	0.9	49
63	Influence of Multiple Environmental Factors on Organic Matter Chlorination in Podsol Soil. <i>Environmental Science & Technology</i> , 2017, 51, 14114-14123.	4.6	9
64	Large emissions from floodplain trees close the Amazon methane budget. <i>Nature</i> , 2017, 552, 230-234.	13.7	204
65	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.	1.3	19
66	Detectability of Arctic methane sources at six sites performing continuous atmospheric measurements. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8371-8394.	1.9	20
67	Variability and quasi-decadal changes in the methane budget over the period 2000–2012. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11135-11161.	1.9	85
68	Temporal variations in methane emissions from emergent aquatic macrophytes in two boreonemoral lakes. <i>AoB PLANTS</i> , 2017, 9, plx029.	1.2	18
69	Chemodiversity of dissolved organic matter in the Amazon Basin. <i>Biogeosciences</i> , 2016, 13, 4279-4290.	1.3	53
70	Oxidative mitigation of aquatic methane emissions in large Amazonian rivers. <i>Global Change Biology</i> , 2016, 22, 1075-1085.	4.2	61
71	Spatio-temporal variability of lake CH_4 fluxes and its influence on annual whole lake emission estimates. <i>Limnology and Oceanography</i> , 2016, 61, S13.	1.6	133
72	Methane fluxes from a small boreal lake measured with the eddy covariance method. <i>Limnology and Oceanography</i> , 2016, 61, S41.	1.6	25

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73	Methane oxidation at the water-ice interface of an ice-covered lake. <i>Limnology and Oceanography</i> , 2016, 61, S78.	1.6	35
74	Biased sampling of methane release from northern lakes: A problem for extrapolation. <i>Geophysical Research Letters</i> , 2016, 43, 1256-1262.	1.5	128
75	Spatiotemporal patterns in methane flux and gas transfer velocity at low wind speeds: Implications for upscaling studies on small lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1456-1467.	1.3	31
76	Constraints on methane oxidation in ice-covered boreal lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1924-1933.	1.3	28
77	The role of sediments in the carbon budget of a small boreal lake. <i>Limnology and Oceanography</i> , 2016, 61, 1814-1825.	1.6	46
78	Climate-sensitive northern lakes and ponds are critical components of methane release. <i>Nature Geoscience</i> , 2016, 9, 99-105.	5.4	357
79	Chlorination and dechlorination rates in a forest soil – A combined modelling and experimental approach. <i>Science of the Total Environment</i> , 2016, 554-555, 203-210.	3.9	19
80	Floating Aquatic Macrophytes Can Substantially Offset Open Water CO ₂ Emissions from Tropical Floodplain Lake Ecosystems. <i>Ecosystems</i> , 2016, 19, 724-736.	1.6	25
81	Making methane visible. <i>Nature Climate Change</i> , 2016, 6, 426-430.	8.1	81
82	The global methane budget 2000–2012. <i>Earth System Science Data</i> , 2016, 8, 697-751.	3.7	824
83	Temperature sensitivity of organic carbon mineralization in contrasting lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1215-1225.	1.3	64
84	Large difference in carbon emission – burial balances between boreal and arctic lakes. <i>Scientific Reports</i> , 2015, 5, 14248.	1.6	27
85	Temporal control on concentration, character, and export of dissolved organic carbon in two hemiboreal headwater streams draining contrasting catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 832-846.	1.3	34
86	Technical Note: Cost-efficient approaches to measure carbon dioxide (CO ₂) fluxes and concentrations in terrestrial and aquatic environments using mini loggers. <i>Biogeosciences</i> , 2015, 12, 3849-3859.	1.3	94
87	Technical note: drifting versus anchored flux chambers for measuring greenhouse gas emissions from running waters. <i>Biogeosciences</i> , 2015, 12, 7013-7024.	1.3	97
88	Spatial versus Day-To-Day Within-Lake Variability in Tropical Floodplain Lake CH ₄ Emissions – Developing Optimized Approaches to Representative Flux Measurements. <i>PLoS ONE</i> , 2015, 10, e0123319.	1.1	18
89	Anaerobic digestion of alkaline bleaching wastewater from a kraft pulp and paper mill using UASB technique. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1489-1498.	1.2	14
90	Methane and Carbon Dioxide Dynamics in the Paraguay River Floodplain (Pantanal) in Episodic Anoxia Events. <i>Handbook of Environmental Chemistry</i> , 2015, , 163-178.	0.2	6

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91	The stable carbon isotopic composition of <i>Daphnia</i> ephippia in small, temperate lakes reflects in-lake methane availability. <i>Limnology and Oceanography</i> , 2015, 60, 1064-1075.	1.6	26
92	Experimental Evidence of Large Changes in Terrestrial Chlorine Cycling Following Altered Tree Species Composition. <i>Environmental Science & Technology</i> , 2015, 49, 4921-4928.	4.6	33
93	Response: Inland water greenhouse gas emissions: when to model and when to measure?. <i>Global Change Biology</i> , 2015, 21, 1379-1380.	4.2	1
94	An inter-regional assessment of concentrations and $\delta^{13}C$ values of methane and dissolved inorganic carbon in small European lakes. <i>Aquatic Sciences</i> , 2015, 77, 667-680.	0.6	32
95	Chemosynthesis. , 2014, , .		6
96	Photochemical production of polyols arising from significant photo-transformation of dissolved organic matter in the oligotrophic surface ocean. <i>Marine Chemistry</i> , 2014, 163, 10-18.	0.9	50
97	Methane fluxes show consistent temperature dependence across microbial to ecosystem scales. <i>Nature</i> , 2014, 507, 488-491.	13.7	713
98	Methane and carbon dioxide emissions from inland waters in India – implications for large scale greenhouse gas balances. <i>Global Change Biology</i> , 2014, 20, 3397-3407.	4.2	119
99	Influence of weather variables on methane and carbon dioxide flux from a shallow pond. <i>Biogeochemistry</i> , 2014, 119, 403-413.	1.7	93
100	Changes in Dissolved Organic Matter during the Treatment Processes of a Drinking Water Plant in Sweden and Formation of Previously Unknown Disinfection Byproducts. <i>Environmental Science & Technology</i> , 2014, 48, 12714-12722.	4.6	155
101	Methane emissions from Amazonian Rivers and their contribution to the global methane budget. <i>Global Change Biology</i> , 2014, 20, 2829-2840.	4.2	110
102	Taxon-specific $\delta^{13}C$ analysis of chitinous invertebrate remains in sediments from Strandsjön, Sweden. <i>Journal of Paleolimnology</i> , 2014, 52, 95-105.	0.8	22
103	Greenhouse gas production in low-latitude lake sediments responds strongly to warming. <i>Nature Climate Change</i> , 2014, 4, 467-470.	8.1	155
104	Olivine alteration and H ₂ production in carbonate-rich, low temperature aqueous environments. <i>Planetary and Space Science</i> , 2014, 96, 51-61.	0.9	51
105	Comparison of floating chamber and eddy covariance measurements of lake greenhouse gas fluxes. <i>Biogeosciences</i> , 2014, 11, 4225-4233.	1.3	66
106	Energy input is primary controller of methane bubbling in subarctic lakes. <i>Geophysical Research Letters</i> , 2014, 41, 555-560.	1.5	96
107	Possible roles of reactive chlorine II: assessing biotic chlorination as a way for organisms to handle oxygen stress. <i>Environmental Microbiology</i> , 2013, 15, 991-1000.	1.8	23
108	Automated Flux Chamber for Investigating Gas Flux at Water–Air Interfaces. <i>Environmental Science & Technology</i> , 2013, 47, 968-975.	4.6	38

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109	Spatial heterogeneity and lake morphology affect diffusive greenhouse gas emission estimates of lakes. <i>Geophysical Research Letters</i> , 2013, 40, 5752-5756.	1.5	86
110	Evidence for past variations in methane availability in a Siberian thermokarst lake based on $\delta^{13}\text{C}$ of chitinous invertebrate remains. <i>Quaternary Science Reviews</i> , 2013, 66, 74-84.	1.4	49
111	Determination of the piston velocity for water-air interfaces using flux chambers, acoustic Doppler velocimetry, and IR imaging of the water surface. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 770-782.	1.3	85
112	Chlorine Isotope Effects and Composition of Naturally Produced Organochlorines from Chloroperoxidases, Flavin-Dependent Halogenases, and in Forest Soil. <i>Environmental Science & Technology</i> , 2013, 47, 6864-6871.	4.6	28
113	Simultaneous measurements of dark carbon fixation and bacterial production in lake sediment. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 298-303.	1.0	6
114	Multiyear measurements of ebullitive methane flux from three subarctic lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1307-1321.	1.3	143
115	Depth-dependent molecular composition and photo-reactivity of dissolved organic matter in a boreal lake under winter and summer conditions. <i>Biogeosciences</i> , 2013, 10, 6945-6956.	1.3	73
116	Dark Carbon Fixation: An Important Process in Lake Sediments. <i>PLoS ONE</i> , 2013, 8, e65813.	1.1	38
117	Constrained microbial processing of allochthonous organic carbon in boreal lake sediments. <i>Limnology and Oceanography</i> , 2012, 57, 163-175.	1.6	94
118	Organic Matter Chlorination Rates in Different Boreal Soils: The Role of Soil Organic Matter Content. <i>Environmental Science & Technology</i> , 2012, 46, 1504-1510.	4.6	37
119	Transformation of Chloride to Organic Chlorine in Terrestrial Environments: Variability, Extent, and Implications. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 2526-2545.	6.6	27
120	Methane Carbon Supports Aquatic Food Webs to the Fish Level. <i>PLoS ONE</i> , 2012, 7, e42723.	1.1	81
121	The European land and inland water CO_2 , CO , CH_4 and N_2O balance between 2001 and 2005. <i>Biogeosciences</i> , 2012, 9, 3357-3380.	1.3	53
122	Relationship between $\delta^{13}\text{C}$ of chironomid remains and methane flux in Swedish lakes. <i>Freshwater Biology</i> , 2012, 57, 166-177.	1.2	30
123	Chloride and Organic Chlorine in Forest Soils: Storage, Residence Times, And Influence of Ecological Conditions. <i>Environmental Science & Technology</i> , 2011, 45, 7202-7208.	4.6	49
124	Carbon emission from hydroelectric reservoirs linked to reservoir age and latitude. <i>Nature Geoscience</i> , 2011, 4, 593-596.	5.4	600
125	Freshwater Methane Emissions Offset the Continental Carbon Sink. <i>Science</i> , 2011, 331, 50-50.	6.0	1,159
126	Bubbles trapped in arctic lake ice: Potential implications for methane emissions. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	54

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127	Formation of H ₂ and CH ₄ by weathering of olivine at temperatures between 30 and 70°C. <i>Geochemical Transactions</i> , 2011, 12, 6.	1.8	91
128	Implications of temperature and sediment characteristics on methane formation and oxidation in lake sediments. <i>Biogeochemistry</i> , 2010, 100, 185-196.	1.7	242
129	The European carbon balance. Part 4: integration of carbon and other trace-gas fluxes. <i>Global Change Biology</i> , 2010, 16, 1451-1469.	4.2	157
130	Temperature-controlled organic carbon mineralization in lake sediments. <i>Nature</i> , 2010, 466, 478-481.	13.7	460
131	Annual carbon gas budget for a subarctic peatland, Northern Sweden. <i>Biogeosciences</i> , 2010, 7, 95-108.	1.3	118
132	Multiple approaches to estimating air-water gas exchange in small lakes. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 285-293.	1.0	171
133	Mechanism of antibacterial activity of the white-rot fungus <i>Hypholoma fasciculare</i> colonizing wood. <i>Canadian Journal of Microbiology</i> , 2010, 56, 380-388.	0.8	32
134	Methane Emissions from Pantanal, South America, during the Low Water Season: Toward More Comprehensive Sampling. <i>Environmental Science & Technology</i> , 2010, 44, 5450-5455.	4.6	178
135	The European carbon balance. Part 4: integration of carbon and other trace-gas fluxes. <i>Global Change Biology</i> , 2009, 16, 2399-2399.	4.2	5
136	Possible role of reactive chlorine in microbial antagonism and organic matter chlorination in terrestrial environments. <i>Environmental Microbiology</i> , 2009, 11, 1330-1339.	1.8	43
137	Temperature Sensitivity Indicates That Chlorination of Organic Matter in Forest Soil Is Primarily Biotic. <i>Environmental Science & Technology</i> , 2009, 43, 3569-3573.	4.6	61
138	Methane. , 2009, , 783-805.		72
139	Chemosynthesis. , 2009, , 211-225.		7
140	Microbially induced flocculation of allochthonous dissolved organic carbon in lakes. <i>Limnology and Oceanography</i> , 2009, 54, 1811-1818.	1.6	48
141	Fates of methane from different lake habitats: Connecting whole-lake budgets and CH ₄ emissions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	392
142	Total hydrocarbon flux dynamics at a subarctic mire in northern Sweden. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	41
143	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.	1.6	114
144	Chloride retention in forest soil by microbial uptake and by natural chlorination of organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3182-3192.	1.6	119

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145	A chlorine-36 and carbon-14 study of the role of chlorine in the forest ecosystem. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007, 50, 437-439.	0.5	8
146	Chlorine transport in a small catchment in southeast Sweden during two years. <i>Biogeochemistry</i> , 2007, 82, 181-199.	1.7	31
147	Chloride Retention and Release in a Boreal Forest Soil: Effects of Soil Water Residence Time and Nitrogen and Chloride Loads. <i>Environmental Science & Technology</i> , 2006, 40, 2977-2982.	4.6	72
148	Mineralisation of organic matter in coastal sediments at different frequency and duration of resuspension. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 70, 317-325.	0.9	76
149	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	7
150	Abundance, Activity, and Community Structure of Pelagic Methane-Oxidizing Bacteria in Temperate Lakes. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6746-6752.	1.4	117
151	ECOSYSTEM SUBSIDIES: TERRESTRIAL SUPPORT OF AQUATIC FOOD WEBS FROM ¹³ C ADDITION TO CONTRASTING LAKES. <i>Ecology</i> , 2005, 86, 2737-2750.	1.5	341
152	Degradation of dissolved organic matter in oxic and anoxic lake water. <i>Limnology and Oceanography</i> , 2004, 49, 109-116.	1.6	133
153	Whole-lake carbon-13 additions reveal terrestrial support of aquatic food webs. <i>Nature</i> , 2004, 427, 240-243.	13.7	497
154	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.	1.9	890
155	Simultaneous Measurements of Organic Carbon Mineralization and Bacterial Production in Oxic and Anoxic Lake Sediments. <i>Microbial Ecology</i> , 2003, 46, 73-82.	1.4	52
156	METHANE AS A SOURCE OF CARBON AND ENERGY FOR LAKE PELAGIC FOOD WEBS. <i>Ecology</i> , 2003, 84, 969-981.	1.5	175
157	Measurement of Methane Oxidation in Lakes: A Comparison of Methods. <i>Environmental Science & Technology</i> , 2002, 36, 3354-3361.	4.6	204
158	The Leucine Incorporation Method Estimates Bacterial Growth Equally Well in Both Oxic and Anoxic Lake Waters. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2916-2921.	1.4	36
159	Similar bacterial growth on dissolved organic matter in anoxic and oxic lake water. <i>Aquatic Microbial Ecology</i> , 2001, 24, 41-49.	0.9	26
160	Higher late summer methane emission from central than northern European lakes. <i>Journal of Limnology</i> , 0, , .	0.3	7