

John P Smol

List of Publications by Year in descending order

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638
papers

31,503
citations

7069

78
h-index

10127

140
g-index

657
all docs

657
docs citations

657
times ranked

14766
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019, 94, 849-873.	4.7	1,766
2	Climate-driven regime shifts in the biological communities of arctic lakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4397-4402.	3.3	828
3	Holocene thermal maximum in the western Arctic (0°–180°W). <i>Quaternary Science Reviews</i> , 2004, 23, 529-560.	1.4	720
4	Lakes and reservoirs as sentinels, integrators, and regulators of climate change. <i>Limnology and Oceanography</i> , 2009, 54, 2273-2282.	1.6	589
5	Hemispheric-scale patterns of climate-related shifts in planktonic diatoms from North American and European lakes. <i>Global Change Biology</i> , 2008, 14, 2740-2754.	4.2	389
6	Lake diatom responses to warming: reviewing the evidence. <i>Journal of Paleolimnology</i> , 2015, 54, 1-35.	0.8	347
7	EFFECTS OF CLIMATE CHANGE ON THE FRESHWATERS OF ARCTIC AND SUBARCTIC NORTH AMERICA. <i>Hydrological Processes</i> , 1997, 11, 873-902.	1.1	329
8	Impacts of Climatic Change and Fishing on Pacific Salmon Abundance Over the Past 300 Years. <i>Science</i> , 2000, 290, 795-799.	6.0	313
9	Diatoms: powerful indicators of environmental change. <i>Environmental Science & Technology</i> , 1992, 26, 22-33.	4.6	312
10	An Assessment of Chironomidae as Quantitative Indicators of Past Climatic Change. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991, 48, 975-987.	0.7	311
11	Crossing the final ecological threshold in high Arctic ponds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12395-12397.	3.3	311
12	Rapid response of treeline vegetation and lakes to past climate warming. <i>Nature</i> , 1993, 361, 243-246.	13.7	295
13	The Widespread Threat of Calcium Decline in Fresh Waters. <i>Science</i> , 2008, 322, 1374-1377.	6.0	295
14	A weighted-averaging regression and calibration model for inferring total phosphorus concentration from diatoms in British Columbia (Canada) lakes. <i>Freshwater Biology</i> , 1992, 27, 417-434.	1.2	292
15	Effects of agriculture, urbanization, and climate on water quality in the northern Great Plains. <i>Limnology and Oceanography</i> , 1999, 44, 739-756.	1.6	274
16	Marked Post-18th Century Environmental Change in High-Arctic Ecosystems. <i>Science</i> , 1994, 266, 416-419.	6.0	271
17	TRACKING LONG-TERM CHANGES IN CLIMATE USING ALGAL INDICATORS IN LAKE SEDIMENTS. <i>Journal of Phycology</i> , 2000, 36, 986-1011.	1.0	271
18	Title is missing!. <i>Journal of Paleolimnology</i> , 2001, 26, 327-342.	0.8	264

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19	Fisheries productivity in the northeastern Pacific Ocean over the past 2,200 years. <i>Nature</i> , 2002, 416, 729-733.	13.7	247
20	Paleolimnology: an important tool for effective ecosystem management. <i>Journal of Aquatic Ecosystem Health</i> , 1992, 1, 49-58.	0.4	245
21	Legacy of a half century of Athabasca oil sands development recorded by lake ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1761-1766.	3.3	240
22	Temperature and precipitation history of the Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 1679-1715.	1.4	226
23	From controversy to consensus: making the case for recent climate change in the Arctic using lake sediments. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 466-474.	1.9	223
24	Assessment of freshwater diatoms as quantitative indicators of past climatic change in the Yukon and Northwest Territories, Canada. <i>Journal of Paleolimnology</i> , 1995, 13, 21-49.	0.8	220
25	Arctic Seabirds Transport Marine-Derived Contaminants. <i>Science</i> , 2005, 309, 445-445.	6.0	216
26	Biologically Mediated Transport of Contaminants to Aquatic Systems. <i>Environmental Science & Technology</i> , 2007, 41, 1075-1084.	4.6	214
27	Past ultraviolet radiation environments in lakes derived from fossil pigments. <i>Nature</i> , 1997, 388, 457-459.	13.7	197
28	U.S. Pacific coastal wetland resilience and vulnerability to sea-level rise. <i>Science Advances</i> , 2018, 4, eaao3270.	4.7	195
29	Paleophycology of a high arctic lake near Cape Herschel, Ellesmere Island. <i>Canadian Journal of Botany</i> , 1983, 61, 2195-2204.	1.2	190
30	Paleolimnological Evidence from Diatoms for Recent Environmental Changes in 50 Lakes across Canadian Arctic Treeline. <i>Arctic, Antarctic, and Alpine Research</i> , 2003, 35, 110-123.	0.4	188
31	The ratio of diatom frustules to chrysophycean statospores: A useful paleolimnological index. <i>Hydrobiologia</i> , 1985, 123, 199-208.	1.0	187
32	How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 128-141.	0.7	185
33	Mountain lakes: Eyes on global environmental change. <i>Global and Planetary Change</i> , 2019, 178, 77-95.	1.6	185
34	Spatial Trends and Historical Deposition of Mercury in Eastern and Northern Canada Inferred from Lake Sediment Cores. <i>Environmental Science & Technology</i> , 2009, 43, 4802-4809.	4.6	182
35	Cumulative Effects of Climate Warming and Other Human Activities on Freshwaters of Arctic and Subarctic North America. <i>Ambio</i> , 2006, 35, 160-168.	2.8	177
36	Assessing water quality changes in the lakes of the northeastern United States using sediment diatoms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 131-152.	0.7	174

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37	Global change revealed by palaeolimnological records from remote lakes: a review. <i>Journal of Paleolimnology</i> , 2013, 49, 513-535.	0.8	173
38	Paleolimnological assessment of long-term water-quality changes in south-central Ontario lakes affected by cottage development and acidification. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1996, 53, 1-17.	0.7	158
39	Do spectrally inferred determinations of chlorophyll a reflect trends in lake trophic status?. <i>Journal of Paleolimnology</i> , 2010, 43, 205-217.	0.8	156
40	The power of the past: using sediments to track the effects of multiple stressors on lake ecosystems. <i>Freshwater Biology</i> , 2010, 55, 43-59.	1.2	150
41	Chironomid-based inference models for estimating end-of-summer hypolimnetic oxygen from south-central Ontario shield lakes. <i>Freshwater Biology</i> , 2001, 46, 1529-1551.	1.2	143
42	Diatoms as indicators of lake eutrophication. , 0, , 128-168.		139
43	Allerod-Younger Dryas Lake Temperatures from Midge Fossils in Atlantic Canada. <i>Science</i> , 1991, 253, 1010-1012.	6.0	134
44	Physical and chemical limnology of 59 lakes located between the southern Yukon and the Tuktoyaktuk Peninsula, Northwest Territories (Canada). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1997, 54, 330-346.	0.7	132
45	An expanded weighted-averaging model for inferring past total phosphorus concentrations from diatom assemblages in eutrophic British Columbia (Canada) lakes. <i>Journal of Paleolimnology</i> , 1995, 14, 49-67.	0.8	130
46	Delivery of pollutants by spawning salmon. <i>Nature</i> , 2003, 425, 255-256.	13.7	122
47	Assessing the reliability of salinity inference models from diatom assemblages: an examination of a 219-lake data set from western North America. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1996, 53, 1580-1594.	0.7	121
48	Quantitative inferences of past hypolimnetic anoxia in south-central Ontario lakes using fossil midges (Diptera: Chironomidae). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998, 55, 587-596.	0.7	119
49	Assessing environmental conditions in rivers and streams with diatoms. , 0, , 11-40.		119
50	Atlas of Chrysophycean Cysts. , 1995, , .		117
51	Freshwater diatoms as indicators of environmental change in the High Arctic. , 0, , 227-244.		117
52	Paleoecological investigation of recent lake acidification in the Adirondack Mountains, N.Y.. <i>Journal of Paleolimnology</i> , 1990, 3, 195.	0.8	115
53	Diatom-salinity relationships in 111 lakes from the Interior Plateau of British Columbia, Canada: the development of diatom-based models for paleosalinity reconstructions. <i>Journal of Paleolimnology</i> , 1994, 12, 197-221.	0.8	114
54	Diatom shifts as evidence for recent Subarctic warming in a remote tundra lake, NWT, Canada. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 226, 1-16.	1.0	110

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55	Time-transgressive onset of the Holocene Optimum in the East Asian monsoon region. <i>Earth and Planetary Science Letters</i> , 2016, 456, 39-46.	1.8	110
56	Diatoms as indicators in the Environmental Monitoring and Assessment Program-Surface Waters (EMAP-SW). <i>Environmental Monitoring and Assessment</i> , 1994, 31, 275-307.	1.3	110
57	Some Sources and Sinks of Methyl and Inorganic Mercury on Ellesmere Island in the Canadian High Arctic. <i>Environmental Science & Technology</i> , 2005, 39, 2686-2701.	4.6	109
58	Establishing reliable minimum count sizes for cladoceran subfossils sampled from lake sediments. <i>Journal of Paleolimnology</i> , 2010, 44, 603-612.	0.8	109
59	PERIPHYTIC DIATOM ASSEMBLAGES FROM HIGH ARCTIC PONDS1.. <i>Journal of Phycology</i> , 1995, 31, 60-69.	1.0	108
60	Aerosol-weakened summer monsoons decrease lake fertilization on the Chinese Loess Plateau. <i>Nature Climate Change</i> , 2017, 7, 190-194.	8.1	106
61	Climate Change: A planet in flux. <i>Nature</i> , 2012, 483, S12-S15.	13.7	105
62	Arctic Holocene proxy climate database – new approaches to assessing geochronological accuracy and encoding climate variables. <i>Climate of the Past</i> , 2014, 10, 1605-1631.	1.3	105
63	Seabird-driven shifts in Arctic pond ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 591-596.	1.2	102
64	Paleoclimate proxy data from freshwater arctic diatoms. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1988, 23, 837-844.	0.1	101
65	Sediment Core Collection and Extrusion. , 2002, , 73-105.		98
66	Trophic position influences the efficacy of seabirds as metal biovectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10543-10548.	3.3	98
67	Diatom assemblages and their relationship to environmental variables in lakes from the boreal forest-tundra ecotone near Yellowknife, Northwest Territories, Canada. <i>Hydrobiologia</i> , 1993, 269-270, 391-404.	1.0	97
68	Title is missing!. <i>Journal of Paleolimnology</i> , 2000, 23, 319-336.	0.8	97
69	Multivariable environmental interferences based on diatom assemblages from Sudbury (Canada) lakes. <i>Freshwater Biology</i> , 1991, 26, 251-266.	1.2	96
70	Asian dust-storm activity dominated by Chinese dynasty changes since 2000 BP. <i>Nature Communications</i> , 2020, 11, 992.	5.8	95
71	Chironomidae (Diptera): quantitative palaeosalinity indicators for lakes of western Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995, 52, 950-960.	0.7	93
72	Quantification of changes in lakewater chemistry in response to acidic deposition. <i>Nature</i> , 1990, 345, 54-58.	13.7	92

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73	Diatom assemblages from Adirondack lakes (New York, USA) and the development of inference models for retrospective environmental assessment. <i>Journal of Paleolimnology</i> , 1993, 8, 27.	0.8	92
74	Dissolved Organic Carbon Thresholds Affect Mercury Bioaccumulation in Arctic Lakes. <i>Environmental Science & Technology</i> , 2014, 48, 3162-3168.	4.6	91
75	The world's largest High Arctic lake responds rapidly to climate warming. <i>Nature Communications</i> , 2018, 9, 1290.	5.8	90
76	Assessment of Changes in Lake Water Chemistry in Sudbury Area Lakes since Preindustrial Times. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 8-16.	0.7	89
77	Long-Term Trends in Lake Water pH and Metal Concentrations Inferred from Diatoms and Chrysophytes in Three Lakes near Sudbury, Ontario. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 17-24.	0.7	89
78	The distribution of chrysophytes along environmental gradients: their use as biological indicators. , 1995, , 232-268.		87
79	Prehistoric Inuit whalers affected Arctic freshwater ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1613-1617.	3.3	87
80	Visible spectroscopy reliably tracks trends in paleo-production. <i>Journal of Paleolimnology</i> , 2016, 56, 253-265.	0.8	85
81	Title is missing!. , 2001, 25, 25-42.		84
82	Mallomonadacean (Chrysophyceae) assemblages and their relationships with limnological characteristics in 38 Adirondack (New York) lakes. <i>Canadian Journal of Botany</i> , 1984, 62, 911-923.	1.2	83
83	Physical and chemical limnology of 24 lakes located between Yellowknife and Contwoyto Lake, Northwest Territories (Canada). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1997, 54, 347-358.	0.7	82
84	Past environmental and climatic changes related to tree-line shifts inferred from fossil diatoms from a lake near the Lena River Delta, Siberia. <i>Holocene</i> , 1999, 9, 547-557.	0.9	82
85	PERIPHYTIC DIATOM ASSEMBLAGES FROM ULTRA-OLIGOTROPHIC AND UV TRANSPARENT LAKES AND PONDS ON VICTORIA ISLAND AND COMPARISONS WITH OTHER DIATOM SURVEYS IN THE CANADIAN ARCTIC1. <i>Journal of Phycology</i> , 2003, 39, 465-480.	1.0	82
86	When Did Acid-Sensitive Adirondack Lakes (New York, USA) Begin to Acidify and Are They Still Acidifying?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 1550-1568.	0.7	81
87	Impacts of climate change on species, populations and communities: palaeobiogeographical insights and frontiers. <i>Progress in Physical Geography</i> , 2008, 32, 139-172.	1.4	81
88	The browning and re-browning of lakes: Divergent lake-water organic carbon trends linked to acid deposition and climate change. <i>Scientific Reports</i> , 2019, 9, 16676.	1.6	81
89	Mallomonadacean microfossils provide evidence of recent lake acidification. <i>Nature</i> , 1984, 307, 628-630.	13.7	80
90	Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 116-127.	0.7	79

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91	SCALED CHRYSOPHYTES (CHRYSOPHYCEAE AND SYNUROPHYCEAE) FROM ADIRONDACK DRAINAGE LAKES AND THEIR RELATIONSHIP TO ENVIRONMENTAL VARIABLES ¹ . <i>Journal of Phycology</i> , 1992, 28, 162-178.	1.0	79
92	DIATOM ASSEMBLAGES AS INDICATORS OF LAKE TROPHIC STATUS IN SOUTHEASTERN ONTARIO LAKES ¹ . <i>Journal of Phycology</i> , 1993, 29, 575-586.	1.0	79
93	Diatom responses to 20th century climate-related environmental changes in high-elevation mountain lakes of the northern Canadian Cordillera. <i>Journal of Paleolimnology</i> , 2005, 33, 265-282.	0.8	79
94	Diatom response to recent climatic change in a high arctic lake (Char Lake, Cornwallis Island,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.6	78
95	Recent changes in a remote Arctic lake are unique within the past 200,000 years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18443-18446.	3.3	78
96	Climate Change Forces New Ecological States in Tropical Andean Lakes. <i>PLoS ONE</i> , 2015, 10, e0115338.	1.1	78
97	Reconstructing fish populations using <i>Chaoborus</i> (Diptera: Chaoboridae) remains â€“ a review. <i>Quaternary Science Reviews</i> , 2006, 25, 2013-2023.	1.4	77
98	Biological responses to permafrost thaw slumping in Canadian Arctic lakes. <i>Freshwater Biology</i> , 2013, 58, 337-353.	1.2	77
99	Road Salt Impacts Freshwater Zooplankton at Concentrations below Current Water Quality Guidelines. <i>Environmental Science & Technology</i> , 2020, 54, 9398-9407.	4.6	76
100	Past trophic status and hypolimnetic anoxia during eutrophication and remediation of Gravenhurst Bay, Ontario: comparison of diatoms, chironomids, and historical records. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 333-341.	0.7	75
101	Climatic and limnological changes associated with the Younger Dryas in Atlantic Canada. <i>Climate Dynamics</i> , 1993, 8, 177-187.	1.7	73
102	Diatoms as indicators of surface water acidity. , 0, , 85-127.		73
103	Quantitative estimates of recent environmental changes in the Canadian High Arctic inferred from diatoms in lake and pond sediments. <i>Journal of Paleolimnology</i> , 2005, 33, 349-360.	0.8	72
104	Under the radar: long-term perspectives on ecological changes in lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190834.	1.2	72
105	Paleolimnological evidence for recent acidification of Big Moose Lake, Adirondack Mountains, N.Y. (USA). <i>Biogeochemistry</i> , 1987, 3, 267-296.	1.7	71
106	Arctic climate warming and sea ice declines lead to increased storm surge activity. <i>Geophysical Research Letters</i> , 2013, 40, 1386-1390.	1.5	70
107	Lake Acidification Recovery can be Monitored using Chrysophycean Microfossils. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 1309-1312.	0.7	69
108	Tracking Recovery Patterns in Acidified Lakes: A Paleolimnological Perspective. <i>Restoration Ecology</i> , 1998, 6, 318-326.	1.4	69

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109	FACTORS INFLUENCING DIATOM DISTRIBUTIONS IN CIRCUMPOLAR TREELINE LAKES OF NORTHERN RUSSIA. <i>Journal of Phycology</i> , 2000, 36, 1035-1048.	1.0	69
110	Title is missing!. <i>Hydrobiologia</i> , 2000, 431, 193-204.	1.0	69
111	Climatic control of ultraviolet radiation effects on lakes. <i>Limnology and Oceanography</i> , 2003, 48, 2062-2069.	1.6	69
112	Responses of Diatom and Chrysophyte Assemblages in Lake 227 Sediments to Experimental Eutrophication. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 2300-2311.	0.7	68
113	Ecology and spatial distributions of surface-sediment diatoms from 77 lakes in the subarctic Canadian treeline region. <i>Canadian Journal of Botany</i> , 2003, 81, 57-73.	1.2	68
114	Global warming triggers the loss of a key Arctic refugium. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131887.	1.2	68
115	The NSERC Canadian Lake Pulse Network: A national assessment of lake health providing science for water management in a changing climate. <i>Science of the Total Environment</i> , 2019, 695, 133668.	3.9	68
116	Chrysophycean microfossils in paleolimnological studies. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1988, 62, 287-297.	1.0	67
117	High arctic ponds receiving biotransported nutrients from a nearby seabird colony are also subject to potentially toxic loadings of arsenic, cadmium, and zinc. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2426-2433.	2.2	67
118	Paleolimnological Reconstruction of Holocene Climatic Trends from Two Boreal Treeline Lakes, Northwest Territories, Canada. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 82.	0.4	67
119	Multi-proxy Holocene palaeoclimatic record from a saline lake in the Canadian Subarctic. <i>Holocene</i> , 2000, 10, 673-686.	0.9	66
120	Accelerated melting of Himalayan snow and ice triggers pronounced changes in a valley peatland from northern India. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	66
121	Reorganization of algal communities in the Lake of the Woods (Ontario, Canada) in response to turn of the century damming and recent warming. <i>Limnology and Oceanography</i> , 2010, 55, 2433-2451.	1.6	66
122	Historical pesticide applications coincided with an altered diet of aerially foraging insectivorous chimney swifts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3114-3120.	1.2	66
123	Application of chrysophytes to problems in paleoecology. , 1995, , 303-330.		65
124	FRESHWATER DIATOMS FROM THE CANADIAN ARCTIC TREELINE AND DEVELOPMENT OF PALEOLIMNOLOGICAL INFERENCE MODELS 1. <i>Journal of Phycology</i> , 2002, 38, 249-264.	1.0	65
125	The jellification of north temperate lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142449.	1.2	65
126	Holocene sedimentation in glacial Tasikutaq Lake, Baffin Island. <i>Canadian Journal of Earth Sciences</i> , 1988, 25, 810-823.	0.6	64

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127	Diatoms as indicators of water level change in freshwater lakes. , 0, , 183-202.		64
128	Physical and Chemical Limnological Characteristics of 38 Lakes and Ponds on Bathurst Island, Nunavut, Canadian High Arctic. <i>International Review of Hydrobiology</i> , 2001, 86, 1-22.	0.5	64
129	Title is missing!. <i>Journal of Paleolimnology</i> , 2002, 27, 79-96.	0.8	64
130	Environmental control of diatom community size structure varies across aquatic ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1627-1634.	1.2	64
131	New methods for using diatoms and chrysophytes to infer past pH of low-alkalinity lakes. <i>Limnology and Oceanography</i> , 1988, 33, 1451-1462.	1.6	64
132	USE OF ALGAE IN ENVIRONMENTAL ASSESSMENTS. , 2003, , 775-804.		63
133	Food web changes in arctic ecosystems related to climate warming. <i>Global Change Biology</i> , 2005, 11, 1381-1386.	4.2	63
134	Impacts of seabird-derived nutrients on water quality and diatom assemblages from Cape Vera, Devon Island, Canadian High Arctic. <i>Hydrobiologia</i> , 2009, 621, 191-205.	1.0	63
135	Problems Associated with the Use of "Species Diversity" in Paleolimnological Studies. <i>Quaternary Research</i> , 1981, 15, 209-212.	1.0	62
136	Development of diatom-based salinity models for paleoclimatic research from lakes in British Columbia (Canada). <i>Hydrobiologia</i> , 1993, 269-270, 179-196.	1.0	62
137	Diatoms as indicators of hydrologic and climatic change in saline lakes. , 0, , 41-72.		62
138	Limnological succession in reservoirs: a paleolimnological comparison of two methods of reservoir formation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 1109-1121.	0.7	62
139	Algal responses to dissolved organic carbon loss and pH decline during whole-lake acidification: Evidence from paleolimnology. <i>Limnology and Oceanography</i> , 1999, 44, 757-773.	1.6	61
140	Limnology of high arctic ponds (Cape Herschel, Ellesmere Island, N. W. T.). <i>Archiv für Hydrobiologie</i> , 1994, 131, 401-434.	1.1	61
141	An illustrated guide to the identification of cladoceran subfossils from lake sediments in northeastern North America: part 1—the Daphniidae, Leptodoridae, Bosminidae, Polyphemidae, Holopedidae, Sididae, and Macrothricidae. <i>Journal of Paleolimnology</i> , 2012, 48, 571-586.	0.8	59
142	Polar lessons learned: long-term management based on shared threats in Arctic and Antarctic environments. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 316-324.	1.9	59
143	Ice-cover is the principal driver of ecological change in High Arctic lakes and ponds. <i>PLoS ONE</i> , 2017, 12, e0172989.	1.1	59
144	Relationship between Chrysophyte Assemblages and Environmental Variables in Seventy-Two Sudbury Lakes as Examined by Canonical Correspondence Analysis (CCA). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 1667-1676.	0.7	58

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145	Title is missing!. Journal of Paleolimnology, 2001, 26, 259-270.	0.8	57
146	Climate Change and Mercury Accumulation in Canadian High and Subarctic Lakes. Environmental Science & Technology, 2011, 45, 964-970.	4.6	57
147	Comparison of diatoms, fossil pigments and historical records as measures of lake eutrophication. Freshwater Biology, 1997, 38, 401-417.	1.2	56
148	Limnological Characteristics of 70 Lakes Spanning Arctic Treeline from Coronation Gulf to Great Slave Lake in the Central Northwest Territories, Canada. International Review of Hydrobiology, 1998, 83, 183-203.	0.5	56
149	Paleolimnological Reconstruction of Holocene Climatic Trends from Two Boreal Treeline Lakes, Northwest Territories, Canada. Arctic, Antarctic, and Alpine Research, 1999, 31, 82-93.	0.4	55
150	Title is missing!. Hydrobiologia, 2002, 482, 1-13.	1.0	55
151	Diatom assemblage response to Iroquoian and Euro-Canadian eutrophication of Crawford Lake, Ontario, Canada. Journal of Paleolimnology, 2007, 37, 233-246.	0.8	55
152	An illustrated guide to the identification of cladoceran subfossils from lake sediments in northeastern North America: part 2—the Chydoridae. Journal of Paleolimnology, 2012, 48, 587-622.	0.8	55
153	Diatom-based Transfer Functions for Inferring past Climatic and Environmental Changes in Alaska, U.S.A.. Arctic, Antarctic, and Alpine Research, 1999, 31, 353-365.	0.4	54
154	Diatoms as indicators of environmental change near arctic and alpine treeline. , 0, , 205-226.		54
155	A review on utilizing Bosmina size structure archived in lake sediments to infer historic shifts in predation regimes. Journal of Plankton Research, 2013, 35, 444-460.	0.8	54
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