

John P Smol

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.

627
papers

24,057
citations

71
h-index

125
g-index

657
ext. papers

26,639
ext. citations

4.5
avg, IF

7.13
L-index

#	Paper	IF	Citations
627	Stability of midge assemblages in productive shallow lakes exposed to point and diffuse nutrient inputs. <i>Journal of Paleolimnology</i> , 2022 , 67, 259	2.1	1
626	Late Holocene tephrostratigraphic sequence of the Changbaishan volcanic field, China/North Korea. <i>Gondwana Research</i> , 2022 , 106, 34-50	5.1	1
625	Historical impacts of mink fur farming on chironomid assemblages from shallow lakes in Nova Scotia, Canada. <i>Lake and Reservoir Management</i> , 2022 , 38, 80-94	1.3	1
624	Anthropogenic warming reduces the carbon accumulation of Tibetan Plateau peatlands. <i>Quaternary Science Reviews</i> , 2022 , 281, 107449	3.9	1
623	Assessing the Effect of Salinization (NaCl) on the Survival and Reproduction of Two Ubiquitous Cladocera Species (<i>Bosmina longirostris</i> and <i>Chydorus brevilabris</i>). <i>Water, Air, and Soil Pollution</i> , 2022 , 233, 1	2.6	0
622	Are fur farms a potential source of persistent organic pollutants or mercury to nearby freshwater ecosystems?. <i>Science of the Total Environment</i> , 2022 , 155100	10.2	0
621	The influences of volcanic eruptions on the development of peatland: A case study from the Changbai Mountains, Northeast Asia. <i>Catena</i> , 2022 , 213, 106209	5.8	0
620	Developing a national level evidence-based toolbox for addressing freshwater biodiversity threats. <i>Biological Conservation</i> , 2022 , 269, 109533	6.2	0
619	Pervasive changes in algal indicators since pre-industrial times: A paleolimnological study of changes in primary production and diatom assemblages from ~200 Canadian lakes.. <i>Science of the Total Environment</i> , 2022 , 155938	10.2	0
618	Paleolimnological Indicators of Global Change 2022 , 279-291		
617	An ~1100 yr record of human and seabird occupation in the High Arctic inferred from pond sediments. <i>Geology</i> , 2021 , 49, 510-514	5	0
616	Emerging issues for protected and conserved areas in Canada. <i>Facets</i> , 2021 , 6, 1892-1921	2.3	0
615	Metal contamination in alkaline Phantom Lake (Flin Flon, Manitoba, Canada) generates strong responses in multiple paleolimnological proxies.. <i>Science of the Total Environment</i> , 2021 , 811, 152299	10.2	0
614	Aquatic ecosystem responses to environmental and climatic changes in NE China since the last deglaciation (~17, 500 cal yr BP) tracked by diatom assemblages from Lake Moon. <i>Quaternary Science Reviews</i> , 2021 , 272, 107218	3.9	0
613	Arctic Ecology I A Paleoenvironmental Perspective 2021 , 23-55		1
612	Seaduck engineers in the Arctic Archipelago: nesting eiders deliver marine nutrients and transform the chemistry of island soils, plants, and ponds. <i>Oecologia</i> , 2021 , 195, 1041-1052	2.9	1
611	Environmental drivers of cladoceran assemblages at a continental scale: A synthesis of Alaskan and Canadian datasets. <i>Freshwater Biology</i> , 2021 , 66, 949-967	3.1	1

610	A 4,300-year History of Dietary Changes in a Bat Roost Determined From a Tropical Guano Deposit. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006026	3.7	0
609	Eutrophication and climatic changes lead to unprecedented cyanobacterial blooms in a Canadian sub-Arctic landscape. <i>Harmful Algae</i> , 2021 , 105, 102036	5.3	4
608	The response of diatom assemblages in a Jamaican coastal lagoon to hurricane and drought activity over the past millennium. <i>Holocene</i> , 2021 , 31, 1359-1365	2.6	0
607	Impacts on aquatic biota from salinization and metalloid contamination by gold mine tailings in sub-Arctic lakes. <i>Environmental Pollution</i> , 2021 , 278, 116815	9.3	3
606	Traces of sunlight in the organic matter biogeochemistry of two shallow subarctic lakes. <i>Biogeochemistry</i> , 2021 , 155, 169-188	3.8	0
605	Mobilizing practitioners to support the Emergency Recovery Plan for freshwater biodiversity. <i>Conservation Science and Practice</i> , 2021 , 3, e467	2.2	3
604	Land-use and climate controls on aquatic carbon cycling and phototrophs in karst lakes of southwest China. <i>Science of the Total Environment</i> , 2021 , 751, 141738	10.2	7
603	Categorizing the influences of two large seabird colonies on island freshwater ecosystems in the Northwest Atlantic Ocean. <i>Hydrobiologia</i> , 2021 , 848, 885-900	2.4	4
602	Regional changes in Cladocera (Branchiopoda, Crustacea) assemblages in subarctic (Yellowknife, Northwest Territories, Canada) lakes impacted by historic gold mining activities. <i>Hydrobiologia</i> , 2021 , 848, 1367-1389	2.4	3
601	Chironomid assemblage changes and chitin degradation in response to ~ 1700-years of seabird population fluctuations at the world's largest colony of Leach's Storm-Petrels (Atlantic Canada). <i>Journal of Paleolimnology</i> , 2021 , 65, 429-443	2.1	2
600	Multi-trophic level responses to environmental stressors over the past ~150 years: Insights from a lake-rich region of the world. <i>Ecological Indicators</i> , 2021 , 127, 107700	5.8	1
599	Early presence of (Cladocera: Cercopagidae) in lake sediments in North America: evidence or artifact?. <i>Journal of Paleolimnology</i> , 2021 , 66, 389-405	2.1	2
598	Diatoms and other siliceous indicators track the ontogeny of a bog-federal (wetland) ecosystem in the Peruvian Andes. <i>Botany</i> , 2021 , 99, 491-505	1.3	
597	Reply to formal comment on Griffiths et al. (2017) submitted by Gajewski (2020). <i>PLoS ONE</i> , 2021 , 16, e0254481	3.7	
596	Human impacts and Anthropocene environmental change at Lake Kutubu, a Ramsar wetland in Papua New Guinea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
595	Arsenic and mercury contamination and complex aquatic bioindicator responses to historical gold mining and modern watershed stressors in urban Nova Scotia, Canada. <i>Science of the Total Environment</i> , 2021 , 787, 147374	10.2	3
594	Tracking deepwater oxygen recovery using sedimentary chironomid assemblages: Peninsula Lake revisited. <i>Journal of Paleolimnology</i> , 2021 , 66, 371	2.1	
593	High-resolution sedimentological and geochemical records of three marshes in San Francisco Bay, California. <i>Quaternary International</i> , 2021 , 602, 49-65	2	0

592 Paleolimnology: Long-Term Reconstructions of Environmental Change **2021**,

591	Long-term primary production trends in the Laurentian Great Lakes: a comparison of geochemical methods. <i>Journal of Paleolimnology</i> , 2021 , 65, 299-314	2.1	2
590	Spatial and temporal variation in Arctic freshwater chemistry reflecting climate-induced landscape alterations and a changing template for biodiversity. <i>Freshwater Biology</i> , 2020 ,	3.1	5
589	Tracking ~200 years of water quality in Muskrat Lake, a eutrophic lake trout lake in Ontario (Canada) with cyanobacterial blooms. <i>Lake and Reservoir Management</i> , 2020 , 36, 260-277	1.3	5
588	Differing limnological responses to late Holocene climate variability in the Cordillera Vilcanota, Peruvian Andes. <i>Journal of Paleolimnology</i> , 2020 , 64, 121-135	2.1	1
587	Diatom assemblage changes in shallow lakes of the Athabasca Oil Sands Region are not tracking aerially deposited contaminants. <i>Journal of Paleolimnology</i> , 2020 , 64, 257-272	2.1	4
586	Regional gold mining activities and recent climate warming alter diatom assemblages in deep sub-Arctic lakes. <i>Polar Biology</i> , 2020 , 43, 305-317	2	8
585	Road Salt Impacts Freshwater Zooplankton at Concentrations below Current Water Quality Guidelines. <i>Environmental Science & Technology</i> , 2020 , 54, 9398-9407	10.3	27
584	Asian dust-storm activity dominated by Chinese dynasty changes since 2000 BP. <i>Nature Communications</i> , 2020 , 11, 992	17.4	42
583	Long-Term Changes in Terrestrial Vegetation Linked to Shifts in a Colonial Seabird Population. <i>Ecosystems</i> , 2020 , 23, 1643-1656	3.9	7
582	Striking centennial-scale changes in the population size of a threatened seabird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20192234	4.4	6
581	Post-glacial lake development and paleoclimate in the central Hudson Bay Lowlands inferred from sediment records. <i>Journal of Paleolimnology</i> , 2020 , 64, 25-46	2.1	6
580	Abruptly and irreversibly changing Arctic freshwaters urgently require standardized monitoring. <i>Journal of Applied Ecology</i> , 2020 , 57, 1192-1198	5.8	26
579	Pollen assemblage and environmental DNA changes: A 4300-year-old bat guano deposit from Jamaica. <i>Quaternary International</i> , 2020 , 558, 47-58	2	0
578	Linking 19th century European settlement to the disruption of a seabird's natural population dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32484-32492	11.5	1
577	Contrasting the ecological effects of decreasing ice cover versus accelerated glacial melt on the High Arctic's largest lake. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201185	4.4	1
576	A multibasin comparison of historical water quality trends in Lake Manitou, Ontario, a provincially significant lake trout lake. <i>Lake and Reservoir Management</i> , 2020 , 36, 243-259	1.3	2
575	The impacts of century-old, arsenic-rich mine tailings on multi-trophic level biological assemblages in lakes from Cobalt (Ontario, Canada). <i>Science of the Total Environment</i> , 2020 , 709, 136212	10.2	6

574	A bat guano deposit in Jamaica recorded agricultural changes and metal exposure over the last >4300 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020 , 538, 109470	2.9	5
573	On Success In applied environmental research What is it, how can it be achieved, and how does one know when it has been achieved?. <i>Environmental Reviews</i> , 2020 , 28, 357-372	4.5	19
572	Heavy metal pollution in a reforested mangrove ecosystem (Can Gio Biosphere Reserve, Southern Vietnam): Effects of natural and anthropogenic stressors over a thirty-year history. <i>Science of the Total Environment</i> , 2020 , 716, 137035	10.2	13
571	Subfossil Simuliidae track past river flow into an industrially contaminated lake. <i>Journal of Paleolimnology</i> , 2020 , 64, 179-192	2.1	1
570	Ecological consequences of shoreline armoring on littoral fish and benthic macroinvertebrate communities in an Eastern Ontario lake. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	1
569	Using visible near-infrared reflectance spectroscopy (VNIRS) of lake sediments to estimate historical changes in cyanobacterial production: potential and challenges. <i>Journal of Paleolimnology</i> , 2020 , 64, 335-345	2.1	2
568	Long-Term Changes in Chironomid Assemblages Linked to Lake Liming and Fertilization in Previously Acidified Middle Lake (Sudbury, Canada). <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	1
567	A Holocene record of aquatic bio-optics in subarctic fennoscandia. <i>Quaternary Science Reviews</i> , 2020 , 243, 106491	3.9	1
566	Effects of road-salt application on Cladocera assemblages in shallow Precambrian Shield lakes in south-central Ontario, Canada. <i>Freshwater Science</i> , 2020 , 39, 824-836	2	8
565	A morphological trait-based approach to environmental assessment models using diatoms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020 , 77, 108-112	2.4	1
564	Re-browning of Sudbury (Ontario, Canada) lakes now approaches pre-acid deposition lake-water dissolved organic carbon levels. <i>Science of the Total Environment</i> , 2020 , 725, 138347	10.2	13
563	Long-term ecological changes in Mediterranean mountain lakes linked to recent climate change and Saharan dust deposition revealed by diatom analyses. <i>Science of the Total Environment</i> , 2020 , 727, 138519	10.2	9
562	Biodiversity patterns of Arctic diatom assemblages in lakes and streams: Current reference conditions and historical context for biomonitoring. <i>Freshwater Biology</i> , 2020 ,	3.1	7
561	Long-term trends in hypolimnetic volumes and dissolved oxygen concentrations in Boreal Shield lakes of south-central Ontario, Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019 , 76, 2315-2325	2.4	7
560	Biological and geochemical changes in shallow lakes of the Hudson Bay Lowlands: a response to recent warming. <i>Journal of Paleolimnology</i> , 2019 , 61, 313-328	2.1	4
559	Assessing long-term changes in aquatic ecosystems near a small conventional oil and gas operation in the Cameron Hills, southern Northwest Territories, Canada. <i>Fundamental and Applied Limnology</i> , 2019 , 192, 181-197	1.9	1
558	Contemporary limnology of the rapidly changing glacierized watershed of the world's largest High Arctic lake. <i>Scientific Reports</i> , 2019 , 9, 4447	4.9	22
557	Climate variability promotes unprecedented cyanobacterial blooms in a remote, oligotrophic Ontario lake: evidence from paleolimnology. <i>Journal of Paleolimnology</i> , 2019 , 62, 31-52	2.1	14

556	Mountain lakes: Eyes on global environmental change. <i>Global and Planetary Change</i> , 2019 , 178, 77-95	4.2	93
555	Multicentury perspective assessing the sustainability of the historical harvest of seaducks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8425-8430	11.5	9
554	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	10.2	29
553	A limnological assessment of the diverse waterscape in the Cordillera Vilcanota, Peruvian Andes. <i>Inland Waters</i> , 2019 , 9, 395-407	2.4	6
552	Under the radar: long-term perspectives on ecological changes in lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20190834	4.4	34
551	Freshwater diatom assemblages from seabird-inhabited ponds in Hudson Strait, sub-Arctic Canada. <i>Polar Biology</i> , 2019 , 42, 1549-1560	2	1
550	Multiple environmental variables influence diatom assemblages across an arsenic gradient in 33 subarctic lakes near abandoned gold mines. <i>Hydrobiologia</i> , 2019 , 841, 133-151	2.4	13
549	Pond sediments on nesting islands in eastern Lake Ontario provide insights into the population dynamics and impacts of waterbird colonies. <i>Journal of Great Lakes Research</i> , 2019 , 45, 350-359	3	0
548	A pre-Inca pot from underwater ruins discovered in an Andean lake provides a sedimentary record of marked hydrological change. <i>Scientific Reports</i> , 2019 , 9, 19193	4.9	4
547	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	4.9	40
546	Assessing the impact of long-term changes in climate and atmospheric deposition on a shallow alpine lake from southeast Tibet. <i>Science of the Total Environment</i> , 2019 , 650, 713-724	10.2	15
545	A diatom-based paleolimnological survey of environmental changes since ~ 1850 in 18 shallow lakes of the Athabasca Oil Sands Region, Canada. <i>Journal of Paleolimnology</i> , 2019 , 61, 147-163	2.1	4
544	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019 , 94, 849-873	13.5	807
543	U.S. Pacific coastal wetland resilience and vulnerability to sea-level rise. <i>Science Advances</i> , 2018 , 4, eaao3270	14.9	132
542	The impact of calcium-rich diamond mining effluent on downstream cladoceran communities in softwater lakes of the Northwest Territories, Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018 , 75, 2221-2232	2.4	2
541	Sterols and stanols as novel tracers of waterbird population dynamics in freshwater ponds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	9
540	A 15,400-year record of environmental magnetic variations in sub-alpine lake sediments from the western Nanling Mountains in South China: Implications for palaeoenvironmental changes. <i>Journal of Asian Earth Sciences</i> , 2018 , 154, 82-92	2.8	8
539	Do rural impoundments in coastal Bay of Fundy, Canada sustain adequate habitat for wildlife?. <i>Wetlands Ecology and Management</i> , 2018 , 26, 213-230	2.1	5

538	Living in an oasis: Rapid transformations, resilience, and resistance in the North Water Area societies and ecosystems. <i>Ambio</i> , 2018 , 47, 296-309	6.5	9
537	The world's largest High Arctic lake responds rapidly to climate warming. <i>Nature Communications</i> , 2018 , 9, 1290	17.4	66
536	Climate change and Saharan dust drive recent cladoceran and primary production changes in remote alpine lakes of Sierra Nevada, Spain. <i>Global Change Biology</i> , 2018 , 24, e139-e158	11.4	30
535	The post-glacial history of northern Lake of the Woods: A multi-proxy perspective on climate variability and lake ontogeny. <i>Journal of Great Lakes Research</i> , 2018 , 44, 367-376	3	3
534	Cladocera in shallow lakes from the Ecuadorian Andes show little response to recent climate change. <i>Hydrobiologia</i> , 2018 , 822, 203-216	2.4	6
533	Breeding eider ducks strongly influence subarctic coastal pond chemistry. <i>Aquatic Sciences</i> , 2018 , 80, 1	2.5	8
532	Lacustrine mineral magnetic record of postglacial environmental changes from Dahu Swamp, southern China. <i>Global and Planetary Change</i> , 2018 , 170, 62-75	4.2	6
531	A crisis in science literacy and communication: Does reluctance to engage the public make academic scientists complicit?. <i>Facets</i> , 2018 , 3, 952-957	2.3	4
530	A Paleoenvironmental Study Tracking Eutrophication, Mining Pollution, and Climate Change in Niven Lake, the First Sewage Lagoon of Yellowknife (Northwest Territories) + Supplementary Appendix 1 (See Article Tools). <i>Arctic</i> , 2018 , 71,	2.1	10
529	Holocene history of Lake of the Woods: Ontario, Manitoba, and Minnesota. <i>Bulletin of the Geological Society of America</i> , 2018 , 130, 3-23	3.9	6
528	Long-term reconstruction of deep-water oxygen conditions in Osoyoos Lake (British Columbia, Canada): implications for Okanagan River sockeye salmon. <i>Lake and Reservoir Management</i> , 2018 , 34, 392-400	1.3	1
527	Lake Deposits 2018 , 1-4		
526	Annual stratification patterns in tropical mountain lakes reflect altered thermal regimes in response to climate change. <i>Fundamental and Applied Limnology</i> , 2018 , 191, 267-275	1.9	6
525	Diatom responses to 20th century shoreline development and climate warming in three embayments of Georgian Bay, Lake Huron. <i>Journal of Great Lakes Research</i> , 2018 , 44, 1339-1350	3	2
524	Biogeochemical responses to climate change and anthropogenic nitrogen deposition from a ~200-year record from Tianchi Lake, Chinese Loess Plateau. <i>Quaternary International</i> , 2018 , 493, 22-30	2	6
523	Trends in historical mercury deposition inferred from lake sediment cores across a climate gradient in the Canadian High Arctic. <i>Environmental Pollution</i> , 2018 , 241, 459-467	9.3	12
522	Long-term limnological changes in the Ecuadorian páramo: Comparing the ecological responses to climate warming of shallow waterbodies versus deep lakes. <i>Freshwater Biology</i> , 2018 , 63, 1316-1325	3.1	15
521	The ecological impacts of lakewater calcium decline on softwater boreal ecosystems. <i>Environmental Reviews</i> , 2017 , 25, 245-253	4.5	28

520	Aerosol-weakened summer monsoons decrease lake fertilization on the Chinese Loess Plateau. <i>Nature Climate Change</i> , 2017 , 7, 190-194	21.4	77
519	Broad-scale lake expansion and flooding inundates essential wood bison habitat. <i>Nature Communications</i> , 2017 , 8, 14510	17.4	12
518	Assessment of multi-trophic changes in a shallow boreal lake simultaneously exposed to climate change and aerial deposition of contaminants from the Athabasca Oil Sands Region, Canada. <i>Science of the Total Environment</i> , 2017 , 592, 573-583	10.2	18
517	Inferring Past Trends in Lake Water Organic Carbon Concentrations in Northern Lakes Using Sediment Spectroscopy. <i>Environmental Science & Technology</i> , 2017 , 51, 13248-13255	10.3	19
516	Paleolimnology ? 2017 ,		
515	Paleolimnology can provide the missing long-term perspective in ecotoxicology research. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 957-959	2.5	7
514	Paleo-ecotoxicology: What Can Lake Sediments Tell Us about Ecosystem Responses to Environmental Pollutants?. <i>Environmental Science & Technology</i> , 2017 , 51, 9446-9457	10.3	21
513	Comparative histories of polycyclic aromatic compound accumulation in lake sediments near petroleum operations in western Canada. <i>Environmental Pollution</i> , 2017 , 231, 13-21	9.3	16
512	Climate as a driver of increasing algal production in Lake of the Woods, Ontario, Canada. <i>Lake and Reservoir Management</i> , 2017 , 33, 403-414	1.3	22
511	Cliff-nesting seabirds influence production and sediment chemistry of lakes situated above their colony. <i>Science of the Total Environment</i> , 2017 , 576, 85-98	10.2	17
510	No magic number: determining cost-effective sample size and enumeration effort for diatom-based environmental assessment analyses. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017 , 74, 208-215	3.4	4
509	Are diatoms recovering to pre-acidification assemblages in a warming world? Revisiting Killarney Provincial Park lakes (Ontario, Canada). <i>Fundamental and Applied Limnology</i> , 2017 , 190, 13-28	1.9	9
508	Ice-cover is the principal driver of ecological change in High Arctic lakes and ponds. <i>PLoS ONE</i> , 2017 , 12, e0172989	3.7	39
507	Assessing environmental stressors on a commercial walleye fishery from a large northern ecosystem (Tathlina Lake) using water chemistry and paleolimnology. <i>Journal of Great Lakes Research</i> , 2016 , 42, 217-222	3	4
506	Tracking pesticide use in the Saint Lawrence River and its ecological impacts during the World Exposition of 1967 in Montreal, Canada. <i>Science of the Total Environment</i> , 2016 , 572, 498-507	10.2	5
505	Multi-trophic level response to extreme metal contamination from gold mining in a subarctic lake. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	42
504	Managing lake trout lakes in a warming world: a paleolimnological assessment of nutrients and lake production at three Ontario sites. <i>Lake and Reservoir Management</i> , 2016 , 32, 315-328	1.3	12
503	Sterols and Stanols Preserved in Pond Sediments Track Seabird Biovectors in a High Arctic Environment. <i>Environmental Science & Technology</i> , 2016 , 50, 9351-60	10.3	16

502	Visible spectroscopy reliably tracks trends in paleo-production. <i>Journal of Paleolimnology</i> , 2016 , 56, 253-265	64
501	Time-transgressive onset of the Holocene Optimum in the East Asian monsoon region. <i>Earth and Planetary Science Letters</i> , 2016 , 456, 39-46	53 70
500	Corrigendum to: Why is the relative abundance of <i>Asterionella formosa</i> increasing in a Boreal Shield lake as nutrient levels decline?. <i>Journal of Paleolimnology</i> , 2016 , 56, 93-93	2.1
499	Interactions of polychlorinated biphenyls and organochlorine pesticides with sedimentary organic matter of retrogressive thaw slump-affected lakes in the tundra uplands adjacent to the Mackenzie Delta, NT, Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 411-421	3.7 12
498	Temporal changes in cladoceran assemblages subjected to a low calcium environment: combining the sediment record with long-term monitoring data. <i>Hydrobiologia</i> , 2016 , 776, 85-97	2.4 4
497	Why is the relative abundance of <i>Asterionella formosa</i> increasing in a Boreal Shield lake as nutrient levels decline?. <i>Journal of Paleolimnology</i> , 2016 , 55, 357-367	2.1 25
496	Arctic and Sub-Arctic shallow lakes in a multiple-stressor world: a paleoecological perspective. <i>Hydrobiologia</i> , 2016 , 778, 253-272	2.4 24
495	Response of <i>Bosmina</i> size structure to the acidification and recovery of lakes near Sudbury, Canada. <i>Journal of Limnology</i> , 2016 , 75,	1.5 7
494	Equatorial mountain lakes show extended periods of thermal stratification with climate warming. <i>Journal of Limnology</i> , 2016 ,	1.5 5
493	The impacts of permafrost thaw slump events on limnological variables in upland tundra lakes, Mackenzie Delta region. <i>Fundamental and Applied Limnology</i> , 2016 , 189, 11-35	1.9 15
492	Recent Warming, Rather than Industrial Emissions of Bioavailable Nutrients, Is the Dominant Driver of Lake Primary Production Shifts across the Athabasca Oil Sands Region. <i>PLoS ONE</i> , 2016 , 11, e0153987 ^{3.7}	3 ¹
491	Changes in cladoceran assemblages from tropical high mountain lakes during periods of recent climate change. <i>Journal of Plankton Research</i> , 2016 ,	2.2 2
490	A push corer developed for retrieving high-resolution sediment cores from shallow waters. <i>Journal of Paleolimnology</i> , 2016 , 56, 67-71	2.1 19
489	Tracking the long-term responses of diatoms and cladocerans to climate warming and human influences across lakes of the Ring of Fire in the Far North of Ontario, Canada. <i>Journal of Paleolimnology</i> , 2016 , 56, 153-172	2.1 5
488	Effects of <i>Didymosphenia geminata</i> blooms on benthic diatom assemblages in the Restigouche River Watershed, eastern Canada. <i>Botany</i> , 2015 , 93, 317-323	1.3 5
487	Use of Algae in Ecological Assessments 2015 , 921-962	9
486	Recent climate warming favours more specialized cladoceran taxa in western Canadian Arctic lakes. <i>Journal of Biogeography</i> , 2015 , 42, 1553-1565	4.1 22
485	Synchronous changes in chironomid assemblages in two Arctic delta lake ecosystems after a major saltwater intrusion event. <i>Journal of Paleolimnology</i> , 2015 , 53, 177-189	2.1 6

484	Lake diatom responses to warming: reviewing the evidence. <i>Journal of Paleolimnology</i> , 2015 , 54, 1-35	2.1	243
483	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	5.5	43
482	Long-term stability of cladoceran assemblages in small, shallow, Canadian Shield lakes experiencing marked calcium declines. <i>Aquatic Sciences</i> , 2015 , 77, 547-561	2.5	7
481	Elevated metal concentrations inhibit biological recovery of Cladocera in previously acidified boreal lakes. <i>Freshwater Biology</i> , 2015 , 60, 347-359	3.1	30
480	Long-term successional changes in peatlands of the Hudson Bay Lowlands, Canada inferred from the ecological dynamics of multiple proxies. <i>Holocene</i> , 2015 , 25, 92-107	2.6	8
479	The influence of water-table depth and pH on the spatial distribution of diatom species in peatlands of the Boreal Shield and Hudson Plains, Canada. <i>Botany</i> , 2015 , 93, 57-74	1.3	23
478	The jellification of north temperate lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142449	4.4	48
477	Altered pH and reduced calcium levels drive near extirpation of native crayfish, <i>Cambarus bartonii</i> , in Algonquin Park, Ontario, Canada. <i>Freshwater Science</i> , 2015 , 34, 918-932	2	16
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