William O Hobbs

List of Publications by Year
in descending order

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38 papers	1,486 citations	430874 18 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	2386 citing authors

#	Article	IF	Citations
1	A Coherent Signature of Anthropogenic Nitrogen Deposition to Remote Watersheds of the Northern Hemisphere. Science, 2011, 334, 1545-1548.	12.6	309
2	Rapid landscape transformation in South Island, New Zealand, following initial Polynesian settlement. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21343-21348.	7.1	226
3	Stratigraphic expressions of the Holoceneâ€“Anthropocene transition revealed in sediments from remote lakes. Earth-Science Reviews, 2013, 116, 17-34.	9.1	135
4	Quantifying Recent Ecological Changes in Remote Lakes of North America and Greenland Using Sediment Diatom Assemblages. PLoS ONE, 2010, 5, e10026.	2.5	98
5	Climate Change Forces New Ecological States in Tropical Andean Lakes. PLoS ONE, 2015, 10, e0115338.	2.5	78
6	Are Current Rates of Atmospheric Nitrogen Deposition Influencing Lakes in the Eastern Canadian Arctic?. Arctic, Antarctic, and Alpine Research, 2006, 38, 465-476.	1.1	70
7	A 200â€year perspective on alternative stable state theory and lake management from a biomanipulated shallow lake. Ecological Applications, 2012, 22, 1483-1496.	3.8	60
8	Increased Mercury Loadings to Western Canadian Alpine Lakes over the Past 150 Years. Environmental Science & Technology, 2011, 45, 2042-2047.	10.0	37
9	Lake-sediment geochemistry reveals 1400 years of evolving extractive metallurgy at Cerro de Pasco, Peruvian Andes. Geology, 2009, 37, 1019-1022.	4.4	35
10	Climate-driven changes in lakes from the Peruvian Andes. Journal of Paleolimnology, 2015, 54, 153-160.	1.6	34
11	Nitrogen deposition to lakes in national parks of the western Great Lakes region: Isotopic signatures, watershed retention, and algal shifts. Global Biogeochemical Cycles, 2016, 30, 514-533.	4.9	31
12	Reliance on ²¹⁰Pb Chronology Can Compromise the Inference of Preindustrial Hg Flux to Lake Sediments. Environmental Science & Technology, 2010, 44, 1998-2003.	10.0	27
13	Biogeochemical responses of two alpine lakes to climate change and atmospheric deposition, Jasper and Banff National parks, Canadian Rocky Mountains. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 1480-1494.	1.4	25
14	Algal-silica cycling and pigment diagenesis in recent alpine lake sediments: mechanisms and paleoecological implications. Journal of Paleolimnology, 2010, 44, 613-628.	1.6	22
15	210Pb-dating of a lake sediment core from Lough Carra (Co. Mayo, western Ireland): use of paleolimnological data for chronology validation below the 210Pb dating horizon. Journal of Environmental Radioactivity, 2011, 102, 495-499.	1.7	22
16	The altered ecology of Lake Christina: A record of regime shifts, land-use change, and management from a temperate shallow lake. Science of the Total Environment, 2012, 433, 336-346.	8.0	20
17	Holocene climate change and landscape development from a low-Arctic tundra lake in the western Hudson Bay region of Manitoba, Canada. Journal of Paleolimnology, 2012, 48, 175-192.	1.6	19
18	Estimating modern carbon burial rates in lakes using a single sediment sample. Limnology and Oceanography: Methods, 2013, 11, 316-326.	2.0	19

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19	The legacy of large regime shifts in shallow lakes. Ecological Applications, 2016, 26, 2662-2676.	3.8	19
20	Environmental history of a closed-basin lake in the US Great Plains: Diatom response to variations in groundwater flow regimes over the last 8500 cal. yr BP. Holocene, 2011, 21, 1203-1216.	1.7	18
21	Uniform carbon fluxes in shallow lakes in alternative stable states. Limnology and Oceanography, 2016, 61, 330-340.	3.1	17
22	Prevalence and persistence of microcystin in shoreline lake sediments and porewater, and associated potential for human health risk. Chemosphere, 2021, 272, 129581.	8.2	17
23	Rapid ecosystem recovery from diffuse pollution after the Great Irish Famine. Ecological Applications, 2010, 20, 1733-1743.	3.8	16
24	Watershed vs. withinâ€lake drivers of nitrogen: phosphorus dynamics in shallow lakes. Ecological Applications, 2017, 27, 2155-2169.	3.8	16
25	Toxic Burdens of Freshwater Biofilms and Use as a Source Tracking Tool in Rivers and Streams. Environmental Science & Technology, 2019, 53, 11102-11111.	10.0	16
26	Caveats on the use of paleolimnology to infer Pacific salmon returns. Limnology and Oceanography, 2007, 52, 2053-2061.	3.1	13
27	Using a lake sediment record to infer the long-term history of cyanobacteria and the recent rise of an anatoxin producing Dolichospermum sp.. Harmful Algae, 2021, 101, 101971.	4.8	13
28	Recent paleolimnology of three lakes in the Fraser River Basin (BC, Canada): no response to the collapse of sockeye salmon stocks following the Hells Gate landslides. Journal of Paleolimnology, 2008, 40, 295-308.	1.6	12
29	Persistence of clear-water, shallow-lake ecosystems: the role of protected areas and stable aquatic food webs. Journal of Paleolimnology, 2014, 51, 405-420.	1.6	12
30	Deglacial to postglacial palaeoenvironments of the <scp>C</scp>eltic <scp>S</scp>ea: lacustrine conditions versus a continuous marine sequence. Boreas, 2014, 43, 149-174.	2.4	11
31	Using sediments to assess the resistance of a calcareous lake to diffuse nutrient loading. Archiv FÃ¼r Hydrobiologie, 2005, 164, 109-125.	1.1	10
32	Glacially mediated impacts of climate warming on alpine lakes of the Canadian Rocky Mountains. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2010, 30, 1449-1452.	0.1	9
33	Diatom assemblages reveal regional-scale differences in lake responses to recent climate change at the boreal-tundra ecotone, Manitoba, Canada. Journal of Paleolimnology, 2016, 56, 275-298.	1.6	9
34	Holocene evolution of lakes in the forest-tundra biome of northern Manitoba, Canada. Quaternary Science Reviews, 2017, 159, 116-138.	3.0	5
35	Assessing the effects of climate and volcanism on diatom and chironomid assemblages in an Andean lake near Quito, Ecuador. Journal of Limnology, 2015, , .	1.1	3
36	Exploring watershed effects on nutrient concentrations in shallow lakes through stable isotope analysis. Science of the Total Environment, 2022, 823, 153742.	8.0	1

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37	A baseline of copper associated with antifouling paint in marinas within a large fjord estuary. Marine Pollution Bulletin, 2022, 178, 113547.	5.0	1
38	Physical characteristics of northern forested lakes predict sensitivity to climate change. Hydrobiologia, 2022, 849, 2705-2729.	2.0	1