Christian Bigler

List of Publications by Year
in descending order

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53	2,401	236925 25	214800 47
papers	citations	h-index	g-index

53	53	53	2652
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lake Sedimentary DNA Research on Past Terrestrial and Aquatic Biodiversity: Overview and Recommendations. Quaternary, 2021, 4, 6.	2.0	121
2	Landscape Setting Drives the Microbial Eukaryotic Community Structure in Four Swedish Mountain Lakes over the Holocene. Microorganisms, 2021, 9, 355.	3.6	8
3	How Does Environmental Inter-annual Variability Shape Aquatic Microbial Communities? A 40-Year Annual Record of Sedimentary DNA From a Boreal Lake (NylandssjÃ¶n, Sweden). Frontiers in Ecology and Evolution, 2019, 7, .	2.2	16
4	Interannual variation in seasonal diatom sedimentation reveals the importance of late winter processes and their timing for sediment signal formation. Limnology and Oceanography, 2019, 64, 1186-1199.	3.1	13
5	Environmental footprint of small-scale, historical mining and metallurgy in the Swedish boreal forest landscape: The Moshyttan blast furnace as microcosm. Holocene, 2019, 29, 578-591.	1.7	4
6	Using a decadal diatom sediment trap record to unravel seasonal processes important for the formation of the sedimentary diatom signal. Journal of Paleolimnology, 2018, 60, 133-152.	1.6	14
7	The sedimentary and remoteâ€sensing reflection of biomass burning in Europe. Global Ecology and Biogeography, 2018, 27, 199-212.	5.8	73
8	To what extent is the DNA of microbial eukaryotes modified during burying into lake sediments? A repeat-coring approach on annually laminated sediments. Journal of Paleolimnology, 2017, 58, 479-495.	1.6	20
9	Regional Holocene climate and landscape changes recorded in the large subarctic lake TornetrÃsk, N Fennoscandia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 487, 1-14.	2.3	9
10	Effects of long term nutrient and climate variability on subfossil Cladocera in a deep, subalpine lake (Lake Garda, northern Italy). Journal of Paleolimnology, 2017, 58, 335-351.	1.6	12
11	Functional clustering of varved lake sediment to reconstruct past seasonal climate. Environmental and Ecological Statistics, 2016, 23, 513-529.	3.5	2
12	Early land use and centennial scale changes in lake-water organic carbon prior to contemporary monitoring. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6579-6584.	7.1	74
13	Multiproxy reconstruction of a large and deep subalpine lake's ecological history since the Middle Ages. Journal of Great Lakes Research, 2015, 41, 982-994.	1.9	18
14	Seasonal changes in molecular composition of organic matter in lake sediment trap material from NylandssjÃ¶n, Sweden. Organic Geochemistry, 2015, 83-84, 253-262.	1.8	12
15	Late-Holocene climate variability and ecosystem responses in Alaska inferred from high-resolution multiproxy sediment analyses at Grizzly Lake. Quaternary Science Reviews, 2015, 126, 41-56.	3.0	9
16	Shifts in precipitation during the last millennium in northern Scandinavia from lacustrine isotope records. Quaternary Science Reviews, 2013, 66, 22-34.	3.0	19
17	Compaction of recent varved lake sediments. Gff, 2013, 135, 231-236.	1.2	20
18	Development and application of sedimentary pigments for assessing effects of climatic and environmental changes on subarctic lakes in northern Sweden. Journal of Paleolimnology, 2010, 43, 149-169.	1.6	39

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19	The Holoceneâ€“Anthropocene transition in lakes of western Spitsbergen, Svalbard (Norwegian High) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	37
20	Comparing pre-industrial and post-limed diatom communities in Swedish lakes, with implications for defining realistic management targets. Journal of Paleolimnology, 2010, 44, 233-242.	1.6	9
21	Numerical simulations suggest that counting sums and taxonomic resolution of diatom analyses to determine IPS pollution and ACID acidity indices can be reduced. Journal of Applied Phycology, 2010, 22, 541-548.	2.8	22
22	Highâ€resolution diatom Î´¹⁸O records, from the last 150 years, reflecting changes in amount of winter precipitation in two subâ€Arctic highâ€altitude lakes in the Swedish Scandes. Journal of Quaternary Science, 2010, 25, 918-930.	2.1	9
23	Modest summer temperature variability during DO cycles in western Europe. Quaternary Science Reviews, 2010, 29, 1322-1327.	3.0	23
24	Lead Contamination of Subarctic Lakes and Its Response to Reduced Atmospheric Fallout: Can the Recovery Process Be Counteracted by the Ongoing Climate Change?. Environmental Science & Technology, 2010, 44, 2335-2340.	10.0	29
25	Harmonization is more important than experienceâ€”results of the first Nordicâ€“Baltic diatom intercalibration exercise 2007 (stream monitoring). Journal of Applied Phycology, 2009, 21, 471-482.	2.8	75
26	Comparison between chironomid-inferred July temperatures and meteorological data AD 1850â€“2001 from varved Lake Silvaplana, Switzerland. Journal of Paleolimnology, 2009, 41, 329-342.	1.6	61
27	Environmental history: A piece in the puzzle for establishing plans for environmental management. Journal of Environmental Management, 2009, 90, 2794-2800.	7.8	37
28	Decadal diagenetic effects on Î´¹³C and Î´¹⁵N studied in varved lake sediment. Limnology and Oceanography, 2009, 54, 917-924.	3.1	68
29	Seasonal temperatures for the past â¼400Âyears reconstructed from diatom and chironomid assemblages in a high-altitude lake (Lej da la Tscheppa, Switzerland). Journal of Paleolimnology, 2008, 39, 283-299.	1.6	23
30	Monitoring compared with paleolimnology: implications for the definition of reference condition in limed lakes in Sweden. Environmental Monitoring and Assessment, 2008, 146, 295-308.	2.7	21
31	Composition and dispersal of riverine and lake phytoplankton communities in connected systems with different water retention times. Freshwater Biology, 2008, 53, 2520-2529.	2.4	8
32	A 700-YEAR PALEOECOLOGICAL RECORD OF BOREAL ECOSYSTEM RESPONSES TO CLIMATIC VARIATION FROM ALASKA. Ecology, 2008, 89, 729-743.	3.2	58
33	Mercury Pollution Trends in Subarctic Lakes in the Northern Swedish Mountains. Ambio, 2007, 36, 401-405.	5.5	27
34	Quantifying human-induced eutrophication in Swiss mountain lakes since AD 1800 using diatoms. Holocene, 2007, 17, 1141-1154.	1.7	42
35	Near-Infrared Spectroscopy (NIRS) of Epilithic Material in Streams has a Potential for Monitoring Impact from Mining. Environmental Science & Technology, 2007, 41, 2874-2880.	10.0	10
36	Decadal-scale autumn temperature reconstruction back to AD 1580 inferred from the varved sediments of Lake Silvaplana (Southeastern Swiss Alps). Quaternary Research, 2007, 68, 184-195.	1.7	72

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37	Liming placed in a long-term perspective: a paleolimnological study of 12 lakes in the Swedish liming program. Journal of Paleolimnology, 2007, 37, 247-258.	1.6	27
38	Human impacts and eutrophication patterns during the past ~200 years at Lago Grande di Avigliana (N.) Tj ETQq0 0 0 rgBT /Overlock 10	1.6	24
39	Holocene environmental history of Lake Vuolep Njakajaure (Abisko National Park, northern Sweden) reconstructed using biological proxy indicators. Vegetation History and Archaeobotany, 2006, 15, 309-320.	2.1	47
40	Distribution of diatoms, chironomids and cladocera in surface sediments of thirty mountain lakes in south-eastern Switzerland. Aquatic Sciences, 2006, 68, 154-171.	1.5	117
41	Quantitative Calibration of Remote Mountain-Lake Sediments as Climatic Recorders of Air Temperature and Ice-Cover Duration. Arctic, Antarctic, and Alpine Research, 2005, 37, 626-635.	1.1	43
42	A multi-proxy palaeoecological study of Alanen LaanijÃrvi, a boreal-forest lake in Swedish Lapland. Boreas, 2005, 34, 192-206.	2.4	14
43	Early-Holocene afforestation processes in the lower subalpine belt of the Central Swiss Alps as inferred from macrofossil and pollen records. Holocene, 2005, 15, 672-686.	1.7	43
44	A multi-proxy palaeoecological study of Alanen LaanijÃrvi, a boreal-forest lake in Swedish Lapland. Boreas, 2005, 34, 192-206.	2.4	5
45	Similarities and discrepancies between chironomid- and diatom-inferred temperature reconstructions through the Holocene at Lake 850, northern Sweden. Quaternary International, 2004, 122, 109-121.	1.5	50
46	Title is missing!. Journal of Paleolimnology, 2003, 29, 13-29.	1.6	92
47	Diatoms as quantitative indicators of July temperature: a validation attempt at century-scale with meteorological data from northern Sweden. Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 189, 147-160.	2.3	70
48	Quantitative multiproxy assessment of long-term patterns of Holocene environmental change from a small lake near Abisko, northern Sweden. Holocene, 2002, 12, 481-496.	1.7	200
49	Title is missing!. Journal of Paleolimnology, 2002, 27, 97-115.	1.6	113
50	Holocene climatic change in Swedish Lapland inferred from an oxygen-isotope record of lacustrine biogenic silica. Holocene, 2001, 11, 447-454.	1.7	119
51	Do diatoms in the Swiss Alps reflect the length of ice-cover?. Aquatic Sciences, 2000, 62, 125.	1.5	277
52	A diatom-training set for palaeoclimatic inferences from lakes in northern Sweden. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 1174-1182.	0.1	12
53	Diatoms as indicators of surface-water acidity. , 0, , 98-121.		34