

Atte Korhola

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

6,048
citations

76326

40
h-index

71685

76
g-index

84
all docs

84
docs citations

84
times ranked

5339
citing authors

#	ARTICLE	IF	CITATIONS
1	A first continuous three-year temperature record from the dimictic arctic alpine Lake Tarfala, northern Sweden. <i>Arctic, Antarctic, and Alpine Research</i> , 2021, 53, 69-79.	1.1	3
2	Warming climate forcing impact from a sub-arctic peatland as a result of late Holocene permafrost aggradation and initiation of bare peat surfaces. <i>Quaternary Science Reviews</i> , 2021, 264, 107022.	3.0	3
3	Biogeography and ecology of freshwater chrysophyte cysts in Finland. <i>Hydrobiologia</i> , 2020, 847, 487-499.	2.0	6
4	Spatially varying peatland initiation, Holocene development, carbon accumulation patterns and radiative forcing within a subarctic fen. <i>Quaternary Science Reviews</i> , 2020, 248, 106596.	3.0	21
5	Interactions between the atmosphere, cryosphere, and ecosystems at northern high latitudes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2015-2061.	4.9	42
6	Widespread drying of European peatlands in recent centuries. <i>Nature Geoscience</i> , 2019, 12, 922-928.	12.9	130
7	Arctic hydroclimate variability during the last 2000 years: current understanding and research challenges. <i>Climate of the Past</i> , 2018, 14, 473-514.	3.4	54
8	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. <i>Nature Climate Change</i> , 2018, 8, 907-913.	18.8	188
9	Climate variability in the subarctic area for the last 2 millennia. <i>Climate of the Past</i> , 2018, 14, 101-116.	3.4	17
10	Mining pollution triggered a regime shift in the cladoceran community of Lake Kirkkojärvi, southern Finland. <i>Journal of Paleolimnology</i> , 2018, 60, 413-425.	1.6	8
11	Paleolimnological Fingerprinting of the Impact of Acid Mine Drainage After 50 Years of Chronic Pollution in a Southern Finnish Lake. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	2
12	Multiple mining impacts induce widespread changes in ecosystem dynamics in a boreal lake. <i>Scientific Reports</i> , 2017, 7, 10581.	3.3	45
13	Holocene fen bog transitions, current status in Finland and future perspectives. <i>Holocene</i> , 2017, 27, 752-764.	1.7	42
14	Do contemporary (1980–2015) emissions determine the elemental carbon deposition trend at Holtedahlfonna glacier, Svalbard?. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12779-12795.	4.9	17
15	Reliability of temperature signal in various climate indicators from northern Europe. <i>PLoS ONE</i> , 2017, 12, e0180042.	2.5	5
16	Spatial and Temporal Patterns in Black Carbon Deposition to Dated Fennoscandian Arctic Lake Sediments from 1830 to 2010. <i>Environmental Science & Technology</i> , 2015, 49, 13954-13963.	10.0	30
17	Dissolved organic matter concentration, optical parameters and attenuation of solar radiation in high-latitude lakes across three vegetation zones. <i>Ecoscience</i> , 2015, 22, 17-31.	1.4	21
18	Re-evaluation of late Holocene fire histories of three boreal bogs suggest a link between bog fire and climate. <i>Boreas</i> , 2015, 44, 60-67.	2.4	9

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19	A database and synthesis of northern peatland soil properties and Holocene carbon and nitrogen accumulation. <i>Holocene</i> , 2014, 24, 1028-1042.	1.7	404
20	Reconstructing lake ice cover in subarctic lakes using a diatom-based inference model. <i>Geophysical Research Letters</i> , 2014, 41, 2026-2032.	4.0	15
21	New evidence of warm early-Holocene summers in subarctic Finland based on an enhanced regional chironomid-based temperature calibration model. <i>Quaternary Research</i> , 2014, 81, 50-62.	1.7	48
22	Identifying recent sources of organic matter enrichment and eutrophication trends at coastal sites using stable nitrogen and carbon isotope ratios in sediment cores. <i>Journal of Paleolimnology</i> , 2013, 50, 191-206.	1.6	19
23	Global change revealed by palaeolimnological records from remote lakes: a review. <i>Journal of Paleolimnology</i> , 2013, 49, 513-535.	1.6	173
24	Actinobacteria community structure in the peat profile of boreal bogs follows a variation in the microtopographical gradient similar to vegetation. <i>Plant and Soil</i> , 2013, 369, 103-114.	3.7	22
25	Seasonal formation of clastic-biogenic varves: the potential for palaeoenvironmental interpretations. <i>Gff</i> , 2013, 135, 237-247.	1.2	32
26	Pairwise comparisons to reconstruct mean temperature in the Arctic Atlantic Region over the last 2,000 years. <i>Climate Dynamics</i> , 2013, 41, 2039-2060.	3.8	49
27	Comparison of Spheroidal Carbonaceous Particle Data with Modelled Atmospheric Black Carbon Concentration and Deposition and Air Mass Sources in Northern Europe, 1850–2010. <i>Advances in Meteorology</i> , 2013, 2013, 1-15.	1.6	14
28	Postglacial spatiotemporal peatland initiation and lateral expansion dynamics in North America and northern Europe. <i>Holocene</i> , 2013, 23, 1596-1606.	1.7	76
29	Finding a consensus on credible features among several paleoclimate reconstructions. <i>Annals of Applied Statistics</i> , 2012, 6, .	1.1	6
30	Comparison of Cladocera-based water-depth reconstruction against other types of proxy data in Finnish Lapland. <i>Hydrobiologia</i> , 2011, 676, 155-172.	2.0	21
31	Arctic Freshwater Ice and Its Climatic Role. <i>Ambio</i> , 2011, 40, 46-52.	5.5	40
32	Past and Future Changes in Arctic Lake and River Ice. <i>Ambio</i> , 2011, 40, 53-62.	5.5	105
33	Effects of Changes in Arctic Lake and River Ice. <i>Ambio</i> , 2011, 40, 63-74.	5.5	123
34	The ecology of <i>Pediastrum</i> (Chlorophyceae) in subarctic lakes and their potential as paleobioindicators. <i>Journal of Paleolimnology</i> , 2010, 43, 61-73.	1.6	66
35	Climatic influence on peatland formation and lateral expansion in subarctic Fennoscandia. <i>Boreas</i> , 2010, 39, 761-769.	2.4	48
36	The importance of northern peatland expansion to the late-Holocene rise of atmospheric methane. <i>Quaternary Science Reviews</i> , 2010, 29, 611-617.	3.0	109

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37	Chironomid response to environmental drivers during the Holocene in a shallow treeline lake in northwestern Fennoscandia. <i>Holocene</i> , 2008, 18, 215-227.	1.7	23
38	Neutral monosaccharides as biomarker proxies for bog-forming plants for application to palaeovegetation reconstruction in ombrotrophic peat deposits. <i>Organic Geochemistry</i> , 2008, 39, 1790-1799.	1.8	56
39	High-resolution reconstruction of wetness dynamics in a southern boreal raised bog, Finland, during the late Holocene: a quantitative approach. <i>Holocene</i> , 2007, 17, 1093-1107.	1.7	136
40	Impacts of Eutrophication on Diatom Life Forms and Species Richness in Coastal Waters of the Baltic Sea. <i>Ambio</i> , 2007, 36, 155-160.	5.5	26
41	Changes in Physical and Chemical Limnology and Plankton during the Spring Melt Period in a Subarctic Lake. <i>International Review of Hydrobiology</i> , 2007, 92, 301-325.	0.9	17
42	Temperature patterns over the past eight centuries in Northern Fennoscandia inferred from sedimentary diatoms. <i>Quaternary Research</i> , 2006, 66, 78-86.	1.7	70
43	Seasonality of phytoplankton in subarctic Lake Saanajärvi in NW Finnish Lapland. <i>Polar Biology</i> , 2005, 28, 846-861.	1.2	52
44	Quantification of Holocene lake-level changes in Finnish Lapland using a cladocera lake depth transfer model. <i>Journal of Paleolimnology</i> , 2005, 34, 175-190.	1.6	111
45	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.	7.1	828
46	Holocene climate dynamics in Fennoscandia and the North Atlantic. , 2004, , 465-494.		46
47	Quantifying Background Nutrient Concentrations in Coastal Waters: A Case Study from an Urban Embayment of the Baltic Sea. <i>Ambio</i> , 2004, 33, 324-327.	5.5	38
48	Paleolimnological studies in arctic Fennoscandia and the Kola Peninsula (Russia). , 2004, , 381-418.		26
49	Diatom Inferred Acidity History Of 32 Lakes On The Kola Peninsula, Russia. <i>Water, Air, and Soil Pollution</i> , 2003, 149, 339-361.	2.4	18
50	Vertical distribution of <i>Daphnia longispina</i> in a shallow subarctic pond: Does the interaction of ultraviolet radiation and <i>Chaoborus</i> predation explain the pattern?. <i>Polar Biology</i> , 2003, 26, 659-665.	1.2	28
51	Ebridians. , 2002, , 225-234.		0
52	UV-induced pigmentation in subarctic <i>Daphnia</i> . <i>Limnology and Oceanography</i> , 2002, 47, 295-299.	3.1	65
53	Holocene temperature changes in northern Fennoscandia reconstructed from chironomids using Bayesian modelling. <i>Quaternary Science Reviews</i> , 2002, 21, 1841-1860.	3.0	161
54	Changes of treelines and alpine vegetation in relation to post-glacial climate dynamics in northern Fennoscandia based on pollen and chironomid records. <i>Journal of Quaternary Science</i> , 2002, 17, 287-301.	2.1	144

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55	Effects of ultraviolet radiation and dissolved organic carbon on the survival of subarctic zooplankton. <i>Polar Biology</i> , 2002, 25, 460-468.	1.2	58
56	Lake diatom response to recent Arctic warming in Finnish Lapland. <i>Global Change Biology</i> , 2002, 8, 171-181.	9.5	253
57	Title is missing!. <i>Journal of Paleolimnology</i> , 2002, 28, 161-179.	1.6	169
58	Physical and chemical characteristics of shallow embayments on the southern coast of Finland. <i>Hydrobiologia</i> , 2002, 477, 115-127.	2.0	15
59	APPLYING BAYESIAN STATISTICS TO ORGANISM-BASED ENVIRONMENTAL RECONSTRUCTION. , 2001, 11, 618-630.		47
60	Cladocera and Other Branchiopod Crustaceans. <i>Developments in Paleoenvironmental Research</i> , 2001, , 5-41.	8.0	200
61	Title is missing!. <i>Journal of Paleolimnology</i> , 2000, 24, 43-54.	1.6	197
62	A Bayesian multinomial Gaussian response model for organism-based environmental reconstruction. <i>Journal of Paleolimnology</i> , 2000, 24, 243-250.	1.6	61
63	A Quantitative Holocene Climatic Record from Diatoms in Northern Fennoscandia. <i>Quaternary Research</i> , 2000, 54, 284-294.	1.7	177
64	Diatom and crustacean zooplankton communities, their seasonal variability and representation in the sediments of subarctic Lake Saanajärvi. <i>Journal of Limnology</i> , 2000, 59, 81.	1.1	102
65	Predicting the long-term acidification trends in small subarctic lakes using diatoms. <i>Journal of Applied Ecology</i> , 1999, 36, 1021-1034.	4.0	40
66	Distribution patterns of Cladocera in subarctic Fennoscandian lakes and their potential in environmental reconstruction. <i>Ecography</i> , 1999, 22, 357-373.	4.5	115
67	Observations of <i>Ebria tripartita</i> (Schumann) Lemmermann in Baltic sediments. <i>Journal of Paleolimnology</i> , 1999, 21, 1-8.	1.6	15
68	Title is missing!. <i>Journal of Paleolimnology</i> , 1998, 20, 205-215.	1.6	68
69	Reply to Janna Turkia's comment of Virkanen et al. (1997). <i>Journal of Paleolimnology</i> , 1998, 20, 104-104.	1.6	0
70	Learning, Mining, or Modeling? A Case Study from Paleoecology. <i>Lecture Notes in Computer Science</i> , 1998, , 12-24.	1.3	7
71	A long-term record of human impacts on an urban ecosystem in the sediments of TÄŕÄŕlÄŕnlahti Bay in Helsinki, Finland. <i>Environmental Conservation</i> , 1997, 24, 326-337.	1.3	17
72	The Relationship between Diatoms and Water Temperature in Thirty Subarctic Fennoscandian Lakes. <i>Arctic and Alpine Research</i> , 1997, 29, 75.	1.3	133

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73	Title is missing!. Journal of Paleolimnology, 1997, 18, 45-59.	1.6	100
74	Title is missing!. Journal of Paleolimnology, 1997, 17, 191-213.	1.6	25
75	Diatoms as quantitative indicators of pH and water temperature in subarctic Fennoscandian lakes. Hydrobiologia, 1997, 347, 171-184.	2.0	124
76	Initiation of a sloping mire complex in southwestern Finland: Autogenic <i>versus</i> allogenic controls. Ecoscience, 1996, 3, 216-222.	1.4	40
77	The Early Postglacial History of Lake Sirkkajärvi, Southern Finland, with Implications to the "G Stage" of the Baltic. Geografiska Annaler, Series A: Physical Geography, 1996, 78, 235-245.	1.5	1
78	Three-dimensional reconstruction of carbon accumulation and CH ₄ emission during nine millennia in a raised mire. Journal of Quaternary Science, 1996, 11, 161-165.	2.1	61
79	Marked early 20th century pollution and the subsequent recovery of Tivö Bay, central Helsinki, as indicated by subfossil diatom assemblage changes. Hydrobiologia, 1996, 341, 169-179.	2.0	23
80	Estimating Long-Term Carbon Accumulation Rates in Boreal Peatlands by Radiocarbon Dating. Radiocarbon, 1995, 37, 575-584.	1.8	47
81	Holocene climatic variations in southern Finland reconstructed from peat-initiation data. Holocene, 1995, 5, 43-57.	1.7	83
82	The Litorina transgression in the Helsinki region, southern Finland: new evidence from coastal mire deposits. Boreas, 1995, 24, 173-182.	2.4	10