

Konrad Gajewski

List of Publications by Year in descending order

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120
papers

8,004
citations

66343

42
h-index

51608

86
g-index

129
all docs

129
docs citations

129
times ranked

6313
citing authors

#	ARTICLE	IF	CITATIONS
1	Arctic Environmental Change of the Last Four Centuries. <i>Science</i> , 1997, 278, 1251-1256.	12.6	938
2	Holocene thermal maximum in the western Arctic (0°–180°W). <i>Quaternary Science Reviews</i> , 2004, 23, 529-560.	3.0	720
3	Recent Warming Reverses Long-Term Arctic Cooling. <i>Science</i> , 2009, 325, 1236-1239.	12.6	585
4	Pollen-based continental climate reconstructions at 6 and 21 Åka: a global synthesis. <i>Climate Dynamics</i> , 2011, 37, 775-802.	3.8	536
5	Climate change and Arctic ecosystems: 1. Vegetation changes north of 55 Å°N between the last glacial maximum, mid-Holocene, and present. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	261
6	Modern pollen data from North America and Greenland for multi-scale paleoenvironmental applications. <i>Quaternary Science Reviews</i> , 2005, 24, 1828-1848.	3.0	225
7	Millennial-scale temperature variations in North America during the Holocene. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	176
8	A northwest North American training set: distribution of freshwater midges in relation to air temperature and lake depth. <i>Journal of Paleolimnology</i> , 2006, 36, 295-314.	1.6	173
9	Holocene climate change in Arctic Canada and Greenland. <i>Quaternary Science Reviews</i> , 2016, 147, 340-364.	3.0	173
10	Reconstructing Millennial-Scale, Regional Paleoclimates of Boreal Canada during the Holocene. <i>Journal of Climate</i> , 2009, 22, 316-330.	3.2	139
11	Prehistoric demography of North America inferred from radiocarbon data. <i>Journal of Archaeological Science</i> , 2010, 37, 656-664.	2.4	138
12	Modern Analogues of Late-Quaternary Pollen Spectra from the Western Interior of North America. <i>Journal of Biogeography</i> , 1989, 16, 573.	3.0	126
13	Holocene climate changes in eastern Beringia (NW North America) – A systematic review of multi-proxy evidence. <i>Quaternary Science Reviews</i> , 2016, 147, 312-339.	3.0	123
14	Pollen-based climate reconstruction techniques for late Quaternary studies. <i>Earth-Science Reviews</i> , 2020, 210, 103384.	9.1	123
15	Synchronous environmental and cultural change in the prehistory of the northeastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22008-22013.	7.1	117
16	A global database of Holocene paleotemperature records. <i>Scientific Data</i> , 2020, 7, 115.	5.3	112
17	Vegetation-Pollen-Climate Relationships for the Arcto-Boreal Region of North America and Greenland. <i>Journal of Biogeography</i> , 1991, 18, 565.	3.0	104
18	Physical and chemical limnology of 204 lakes from the Canadian Arctic Archipelago. <i>Hydrobiologia</i> , 2001, 457, 133-148.	2.0	104

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19	Sphagnumpeatland distribution in North America and Eurasia during the past 21,000 years. <i>Global Biogeochemical Cycles</i> , 2001, 15, 297-310.	4.9	101
20	Widespread evidence of 1500 yr climate variability in North America during the past 14 000 yr. <i>Geology</i> , 2002, 30, 455.	4.4	94
21	Holocene Vegetation History at the Boreal-Forest–Shrub-Tundra Transition in North-Western Quebec. <i>Journal of Ecology</i> , 1993, 81, 433.	4.0	85
22	Title is missing!. <i>Journal of Paleolimnology</i> , 1997, 17, 215-225.	1.6	83
23	What we learned from the Dust Bowl: lessons in science, policy, and adaptation. <i>Population and Environment</i> , 2014, 35, 417-440.	3.0	83
24	Climatic impacts on the vegetation of eastern North America during the past 2000 years. <i>Plant Ecology</i> , 1987, 68, 179-190.	1.2	80
25	Freshwater diatom biogeography in the Canadian Arctic Archipelago. <i>Journal of Biogeography</i> , 2004, 31, 1955-1973.	3.0	77
26	Quantitative reconstruction of Holocene temperatures across the Canadian Arctic and Greenland. <i>Global and Planetary Change</i> , 2015, 128, 14-23.	3.5	75
27	Modern and Holocene Pollen Assemblages from Some Small Arctic Lakes on Somerset Island, NWT, Canada. <i>Quaternary Research</i> , 1995, 44, 228-236.	1.7	74
28	Low- and high-frequency climate variability in eastern Beringia during the past 25 000 yearsThis article is one of a series of papers published in this Special Issue on the theme <i>Polar Climate Stability Network</i>.. <i>Canadian Journal of Earth Sciences</i> , 2008, 45, 1435-1453.	1.3	69
29	Paleoenvironments of the Canadian high arctic derived from pollen and plant macrofossils: Problems and potentials. <i>Quaternary Science Reviews</i> , 1995, 14, 609-629.	3.0	65
30	Comparison of North-American pollen-based temperature and global lake-status with CCCma AGCM2 output at 6ka. <i>Quaternary Science Reviews</i> , 2004, 23, 225-244.	3.0	62
31	Modern pollen spectra from lakes in arctic western Canada. <i>Canadian Journal of Botany</i> , 1987, 65, 1605-1613.	1.1	61
32	Modern climate–vegetation–pollen relations in Africa and adjacent areas. <i>Quaternary Science Reviews</i> , 2002, 21, 1611-1631.	3.0	61
33	The climate of North America during the past 2000years reconstructed from pollen data. <i>Global and Planetary Change</i> , 2012, 84-85, 75-83.	3.5	58
34	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
35	The climate of North America and adjacent ocean waters ca. 6 ka. <i>Canadian Journal of Earth Sciences</i> , 2000, 37, 661-681.	1.3	53
36	Distribution of Chironomidae (Insecta: Diptera) Head Capsules in Recent Sediments of Canadian Arctic Lakes. <i>Hydrobiologia</i> , 2005, 549, 131-143.	2.0	52

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37	Responses of Fragilarioid-dominated diatom assemblages in a small Arctic lake to Holocene climatic changes, Russell Island, Nunavut, Canada. <i>Journal of Paleolimnology</i> , 2008, 40, 1079-1095.	1.6	51
38	Post-Glacial climatic change on Boothia Peninsula, Nunavut, Canada. <i>Quaternary Research</i> , 2007, 68, 261-270.	1.7	50
39	Holocene climate and vegetation change on Victoria Island, western Canadian Arctic. <i>Quaternary Science Reviews</i> , 2008, 27, 235-249.	3.0	49
40	A Holocene Ice-Core Pollen Record from Ellesmere Island, Nunavut, Canada. <i>Quaternary Research</i> , 2000, 54, 275-283.	1.7	46
41	Climatic change in northern Canada. <i>Environmental Reviews</i> , 2003, 11, 69-102.	4.5	46
42	Spatiotemporal distribution of Holocene populations in North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12127-12132.	7.1	46
43	Postglacial climates inferred from a lake at treeline, southwest Yukon Territory, Canada. <i>Quaternary Science Reviews</i> , 2009, 28, 354-369.	3.0	44
44	Diatom community response to multiple scales of Holocene climate variability in a small lake on Victoria Island, NWT, Canada. <i>Quaternary Science Reviews</i> , 2007, 26, 3179-3196.	3.0	43
45	Dendrochronological Potential of <i>Salix alaxensis</i> from the Kuujuua River Area, Western Canadian Arctic. <i>Tree-Ring Research</i> , 2006, 62, 75-82.	0.6	41
46	Title is missing!. <i>Journal of Paleolimnology</i> , 2002, 27, 353-366.	1.6	40
47	Testing the reliability of pollen-based diversity estimates. <i>Journal of Paleolimnology</i> , 2008, 40, 357-368.	1.6	40
48	The Global Pollen Database in biogeographical and palaeoclimatic studies. <i>Progress in Physical Geography</i> , 2008, 32, 379-402.	3.2	40
49	The Canadian Archaeological Radiocarbon Database (Card): Archaeological ¹⁴ C Dates in North America and Their Palaeoenvironmental Context. <i>Radiocarbon</i> , 2011, 53, 371-394.	1.8	40
50	Chironomid-environment relations in northern North America. <i>Journal of Paleolimnology</i> , 2015, 54, 223-237.	1.6	40
51	A diatom-based Holocene palaeoenvironmental record from a mid-arctic lake on Boothia Peninsula, Nunavut, Canada. <i>Holocene</i> , 2004, 14, 417-425.	1.7	39
52	Comparison of marine and terrestrial Holocene climatic reconstructions from northeastern North America. <i>Holocene</i> , 1999, 9, 267-277.	1.7	38
53	Radiocarbon dates as estimates of ancient human population size. <i>Anthropocene</i> , 2016, 15, 3-12.	3.3	38
54	The biogeography of aquatic macrophytes in North America since the Last Glacial Maximum. <i>Journal of Biogeography</i> , 2003, 30, 999-1017.	3.0	36

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55	Pollen-based reconstructions of late Holocene climate from the central and western Canadian Arctic. <i>Journal of Paleolimnology</i> , 2009, 41, 161-175.	1.6	32
56	A palaeolimnological record of diatom-community dynamics and late-Holocene climatic changes from Prescott Island, Nunavut, central Canadian Arctic. <i>Holocene</i> , 2007, 17, 803-812.	1.7	31
57	The role of paleoecology in the study of global climatic change. <i>Review of Palaeobotany and Palynology</i> , 1993, 79, 141-151.	1.5	30
58	Continental-scale tree population response to rapid climate change, competition and disturbance. <i>Global Ecology and Biogeography</i> , 2008, 17, 658-669.	5.8	30
59	Quantitative analysis of freshwater ostracode assemblages in southwestern Yukon Territory, Canada. <i>Hydrobiologia</i> , 2005, 545, 117-128.	2.0	29
60	High-Resolution Estimation of Summer Surface Air Temperature in the Canadian Arctic Archipelago. <i>Journal of Climate</i> , 2002, 15, 3601-3614.	3.2	29
61	Holocene vegetation history of the boreal forest near Chibougamau, central Quebec. <i>Canadian Journal of Botany</i> , 1992, 70, 1364-1368.	1.1	28
62	Synchronicity in Climate and Vegetation Transitions Between Europe and North America During the Holocene. <i>Climatic Change</i> , 2006, 78, 341-361.	3.6	28
63	Impact of Holocene climate variability on Arctic vegetation. <i>Global and Planetary Change</i> , 2015, 133, 272-287.	3.5	28
64	Holocene vegetation history of Banks Island, Northwest Territories, Canada. <i>Canadian Journal of Botany</i> , 2000, 78, 430-436.	1.1	28
65	Représentation pollinique actuelle à la limite des arbres au Nouveau-Québec. <i>Canadian Journal of Earth Sciences</i> , 1991, 28, 643-648.	1.3	26
66	Multi-proxy record of postglacial environmental change, south-central Melville Island, Northwest Territories, Canada. <i>Quaternary Research</i> , 2010, 73, 247-258.	1.7	26
67	Climatic change causes abrupt changes in forest composition, inferred from a high-resolution pollen record, southwestern Quebec, Canada. <i>Quaternary Science Reviews</i> , 2013, 75, 169-180.	3.0	25
68	Does a one point sample adequately characterize the lake environment for paleoenvironmental calibration studies?. <i>Journal of Paleolimnology</i> , 2008, 39, 511-531.	1.6	24
69	Holocene Vegetation Histories from Three Sites in the Tundra of Northwestern Quebec, Canada. <i>Arctic and Alpine Research</i> , 1992, 24, 329.	1.3	23
70	Detecting the influence of secondary environmental gradients on chironomid-inferred paleotemperature reconstructions in northern North America. <i>Quaternary Science Reviews</i> , 2015, 124, 265-274.	3.0	23
71	Modern Chironomid Assemblages and Their Relationship to Physical and Chemical Variables in Southwest Yukon and Northern British Columbia Lakes. <i>Arctic, Antarctic, and Alpine Research</i> , 2004, 36, 446-455.	1.1	22
72	Evaluating diatom-derived Holocene pH reconstructions for Arctic lakes using an expanded 171-lake training set. <i>Journal of Quaternary Science</i> , 2014, 29, 249-260.	2.1	22

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73	Current practices in building and reporting age-depth models. <i>Quaternary Research</i> , 2020, 96, 28-38.	1.7	21
74	Improved resolution of pollen taxonomy allows better biogeographical interpretation of post-glacial forest development: analyses from the North American Pollen Database. <i>Journal of Ecology</i> , 2006, 94, 415-430.	4.0	19
75	Holocene climate change and its effect on lake ecosystem production on Northern Victoria Island, Canadian Arctic. <i>Journal of Paleolimnology</i> , 2010, 43, 219-234.	1.6	19
76	Vegetation dynamics in relation to late Holocene climate variability and disturbance, Outaouais, Qu�bec, Canada. <i>Holocene</i> , 2014, 24, 1515-1526.	1.7	19
77	Human�vegetation interactions during the Holocene in North America. <i>Vegetation History and Archaeobotany</i> , 2019, 28, 635-647.	2.1	19
78	Regional environmental change versus local signal preservation in Holocene thermokarst lake sediments: A case study from Herschel Island, Yukon (Canada). <i>Journal of Paleolimnology</i> , 2018, 60, 77-96.	1.6	18
79	Holocene vegetation history of Banks Island, Northwest Territories, Canada. <i>Canadian Journal of Botany</i> , 2000, 78, 430-436.	1.1	17
80	Assessing the use of sediment organic, carbonate and biogenic silica content as indicators of environmental conditions in Arctic lakes. <i>Polar Biology</i> , 2009, 32, 985-998.	1.2	17
81	Modern Pollen Assemblages in Lake Sediments from the Canadian Arctic. <i>Arctic, Antarctic, and Alpine Research</i> , 2002, 34, 26-32.	1.1	16
82	A Holocene lacustrine record of environmental change in northeastern Prince of Wales Island, Nunavut, Canada. <i>Boreas</i> , 2001, 30, 285-289.	2.4	16
83	Modern and Holocene stomate records of tree-line variations in northwestern Quebec. <i>Canadian Journal of Botany</i> , 2004, 82, 726-734.	1.1	15
84	Postglacial environmental history of western Victoria Island, Canadian Arctic. <i>Quaternary Science Reviews</i> , 2010, 29, 2099-2110.	3.0	15
85	Holocene climate change influences on trace metal and organic matter geochemistry in the sediments of an Arctic lake over 7,000 years. <i>Applied Geochemistry</i> , 2017, 78, 35-48.	3.0	15
86	Synthesis of limnological data from lakes and ponds across Arctic and Boreal Canada. <i>Arctic Science</i> , 2018, 4, 167-185.	2.3	15
87	Postglacial Vegetation at the Northern Limit of Lichen Woodland in Northwestern Qu�bec. <i>G�ographie Physique Et Quaternaire</i> , 0, 50, 341-350.	0.2	15
88	Modern Pollen Assemblages in Lake Sediments from the Canadian Arctic. <i>Arctic, Antarctic, and Alpine Research</i> , 2002, 34, 26.	1.1	14
89	Human-ecosystem interactions in relation to Holocene environmental change in Port Joli Harbour, southwestern Nova Scotia, Canada. <i>Quaternary Research</i> , 2014, 81, 203-212.	1.7	13
90	Interactions between climate and landscape drive Holocene ecological change in a High Arctic lake on Somerset Island, Nunavut, Canada. <i>Arctic Science</i> , 2017, 3, 17-38.	2.3	13

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91	Variations in precipitation in North America during the past 2000 years. <i>Holocene</i> , 2018, 28, 667-675.	1.7	12
92	Surface-sediment diatom assemblages and water chemistry from 42 subarctic lakes in the southwestern Yukon and northern British Columbia, Canada. <i>Ecoscience</i> , 2002, 9, 256-270.	1.4	10
93	Holocene sediments from a coastal lake on northern Devon Island, Nunavut, Canada. <i>Canadian Journal of Earth Sciences</i> , 2013, 50, 564-575.	1.3	10
94	Comments on: "The magnitudes of millennial- and orbital-scale climatic change in eastern North America during the Late Quaternary" by Shuman et al. [<i>Quaternary Science Reviews</i> 24 (2005) 2194-2206]. <i>Quaternary Science Reviews</i> , 2007, 26, 264-267.	3.0	9
95	Potential problems with the use of gridded climate data in regional quantitative paleoenvironmental studies from data-poor regions. <i>Journal of Paleolimnology</i> , 2012, 48, 641-650.	1.6	9
96	Relative pollen productivity estimates and changes in Holocene vegetation cover in the deciduous forest of southeastern Quebec, Canada. <i>Botany</i> , 2018, 96, 299-317.	1.0	9
97	The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. <i>Earth System Science Data</i> , 2022, 14, 1109-1124.	9.9	9
98	A late Holocene pollen record from proglacial Oblong Tarn, Mount Kenya. <i>PLoS ONE</i> , 2017, 12, e0184925.	2.5	8
99	Human population dynamics in relation to Holocene climate variability in the North American Arctic and Subarctic. <i>Quaternary Science Reviews</i> , 2020, 240, 106370.	3.0	8
100	The North American summer Arctic front during 1948-2007. <i>International Journal of Climatology</i> , 2010, 30, 874-883.	3.5	7
101	Palynology of North American arctic lakes. , 2004, , 89-116.		7
102	Essai: Is Arctic Palynology a "Blunt Instrument"? <i>Géographie Physique Et Quaternaire</i> , 2006, 60, 95-102.	0.2	6
103	Impacts of daily weather variability on simulations of the Canadian boreal forest. <i>Ecological Modelling</i> , 2011, 222, 3250-3260.	2.5	6
104	Impacts of late-Holocene climate variability and watershed-lake interactions on diatom communities in Lac Brabant, Québec. <i>Ecosphere</i> , 2017, 8, e01886.	2.2	6
105	An 11,000-yr record of diatom assemblage responses to climate and terrestrial vegetation changes, southwestern Québec. <i>Ecosphere</i> , 2018, 9, e02505.	2.2	6
106	Forest dynamics in relation to multi-decadal late-Holocene climatic variability, eastern Ontario, Canada. <i>Review of Palaeobotany and Palynology</i> , 2015, 219, 106-115.	1.5	5
107	Multiproxy paleoecological evidence of Holocene climatic changes on the Boothia Peninsula, Canadian Arctic. <i>Quaternary Research</i> , 2016, 85, 347-357.	1.7	5
108	Climate, fire and vegetation history at treeline east of Hudson Bay, northern Québec. <i>Quaternary Science Reviews</i> , 2021, 254, 106794.	3.0	5

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109	A New Database of High Arctic Climate Data from the Polar Continental Shelf Project Archives. <i>Bulletin of the American Meteorological Society</i> , 2000, 81, 2621-2629.	3.3	4
110	Abrupt Climate Changes During the Holocene Across North America From Pollen and Paleolimnological Records. <i>Geophysical Monograph Series</i> , 2011, , 161-171.	0.1	4
111	Environmental history of the northwestern QuÃ©bec Treeline. <i>Quaternary Science Reviews</i> , 2019, 206, 29-43.	3.0	4
112	Comment on "Abrupt environmental change in Canada's northernmost lake inferred from fossil diatom and pigment stratigraphy" by Dermot Antoniades et al.. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	3
113	Spatial and temporal cladoceran community responses to environmental change and anthropogenic impacts in southwestern QuÃ©bec. <i>Ecoscience</i> , 2016, 23, 97-112.	1.4	3
114	Environmental changes of the last 1000 years on Prince of Wales Island, Nunavut, Canada. <i>Arctic, Antarctic, and Alpine Research</i> , 2019, 51, 348-365.	1.1	2
115	On the glacial and postglacial history of the western Canadian Arctic Islands. <i>Quaternary Research</i> , 2011, 75, 307-308.	1.7	1
116	A high-resolution paleolimnological study of climate and human impacts on Lac Noir, QuÃ©bec, over the past 1000 yr. <i>Quaternary Research</i> , 2019, 91, 665-678.	1.7	1
117	Estimation of Spatio-Temporal Correlations of Prehistoric Population and Vegetation in North America. <i>Geographical Analysis</i> , 2020, 52, 371-393.	3.5	1
118	Quantifying the vulnerability of Arctic water supply lakes through paleolimnological assessment: The case of Igloodik, Nunavut, Canada. <i>Holocene</i> , 2021, 31, 1175-1185.	1.7	1
119	Paleopalynology, 2nd edition <i>Topics in Geobiology Series, Volume 28</i> . <i>Eos</i> , 2008, 89, 111.	0.1	0
120	Multiple drivers of ecological change in Arctic lakes and ponds. <i>PLoS ONE</i> , 2021, 16, e0254257.	2.5	0