

# Maarten Blaauw

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

10,863  
citations

50276

46  
h-index

30922

102  
g-index

119  
all docs

119  
docs citations

119  
times ranked

8767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible paleoclimate age-depth models using an autoregressive gamma process. <i>Bayesian Analysis</i> , 2011, 6, 457-474.	3.0	2,654
2	Methods and code for $\hat{\sigma}$ -classical™ age-modelling of radiocarbon sequences. <i>Quaternary Geochronology</i> , 2010, 5, 512-518.	1.4	1,789
3	Flexible paleoclimate age-depth models using an autoregressive gamma process. <i>Bayesian Analysis</i> , 2011, 6, .	3.0	331
4	Half-precessional dynamics of monsoon rainfall near the East African Equator. <i>Nature</i> , 2009, 462, 637-641.	27.8	280
5	Climate-related changes in peatland carbon accumulation during the last millennium. <i>Biogeosciences</i> , 2013, 10, 929-944.	3.3	257
6	A Complete Terrestrial Radiocarbon Record for 11.2 to 52.8 kyr B.P.. <i>Science</i> , 2012, 338, 370-374.	12.6	228
7	The distribution of late-Quaternary woody taxa in northern Eurasia: evidence from a new macrofossil database. <i>Quaternary Science Reviews</i> , 2009, 28, 2445-2464.	3.0	196
8	Radiocarbon peat chronologies and environmental change. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2005, 54, 805-816.	1.0	176
9	A new European testate amoebae transfer function for palaeohydrological reconstruction on ombrotrophic peatlands. <i>Journal of Quaternary Science</i> , 2007, 22, 209-221.	2.1	171
10	Out of tune: the dangers of aligning proxy archives. <i>Quaternary Science Reviews</i> , 2012, 36, 38-49.	3.0	166
11	Evidence from northwest European bogs shows $\hat{\sigma}$ -Little Ice Age™ climatic changes driven by variations in solar activity. <i>Holocene</i> , 2002, 12, 1-6.	1.7	162
12	A revised age for the Kawakawa/Oruanui tephra, a key marker for the Last Glacial Maximum in New Zealand. <i>Quaternary Science Reviews</i> , 2013, 74, 195-201.	3.0	151
13	Climate drivers for peatland palaeoclimate records. <i>Quaternary Science Reviews</i> , 2009, 28, 1811-1819.	3.0	146
14	Ages of 24 widespread tephras erupted since 30,000 years ago in New Zealand, with re-evaluation of the timing and palaeoclimatic implications of the Lateglacial cool episode recorded at Kaipo bog. <i>Quaternary Science Reviews</i> , 2013, 74, 170-194.	3.0	142
15	Widespread drying of European peatlands in recent centuries. <i>Nature Geoscience</i> , 2019, 12, 922-928.	12.9	130
16	A numerical approach to $^{14}\text{C}$ wiggle-match dating of organic deposits: best fits and confidence intervals. <i>Quaternary Science Reviews</i> , 2003, 22, 1485-1500.	3.0	122
17	Double the dates and go for Bayes $\hat{\sigma}$ ™ Impacts of model choice, dating density and quality on chronologies. <i>Quaternary Science Reviews</i> , 2018, 188, 58-66.	3.0	121
18	Solar forcing of climatic change during the mid-Holocene: indications from raised bogs in The Netherlands. <i>Holocene</i> , 2004, 14, 35-44.	1.7	118

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19	Towards mapping the late Quaternary vegetation change of Europe. <i>Vegetation History and Archaeobotany</i> , 2014, 23, 75-86.	2.1	105
20	Peat multi-proxy data from MÄnnikjÄrve bog as indicators of late Holocene climate changes in Estonia. <i>Boreas</i> , 2007, 36, 20-37.	2.4	104
21	Rapid ecosystem response to abrupt climate changes during the last glacial period in western Europe, 40Ä“16 ka. <i>Geology</i> , 2008, 36, 407.	4.4	98
22	Ecohydrological feedbacks confound peatÄ“based climate reconstructions. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	97
23	Building and testing age models for radiocarbon dates in Lateglacial and Early Holocene sediments. <i>Quaternary Science Reviews</i> , 2007, 26, 1915-1926.	3.0	93
24	Holocene winter climate variability in Central and Eastern Europe. <i>Scientific Reports</i> , 2017, 7, 1196.	3.3	93
25	Late Holocene climatic changes in Tierra del Fuego based on multiproxy analyses of peat deposits.. <i>Quaternary Research</i> , 2004, 61, 148-158.	1.7	92
26	Changes in solar activity and Holocene climatic shifts derived from 14C wiggle-match dated peat deposits. <i>Holocene</i> , 2004, 14, 45-52.	1.7	91
27	Globally synchronous climate change 2800Ä“years ago: Proxy data from peat in South America. <i>Earth and Planetary Science Letters</i> , 2007, 253, 439-444.	4.4	89
28	Bayesian Analysis of $^{210}\text{Pb}$ Dating. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2018, 23, 317-333.	1.4	88
29	The Preboreal climate reversal and a subsequent solar-forced climate shift. <i>Journal of Quaternary Science</i> , 2004, 19, 263-269.	2.1	87
30	Constraining the age of Lateglacial and early Holocene pollen zones and tephra horizons in southern Sweden with Bayesian probability methods. <i>Journal of Quaternary Science</i> , 2006, 21, 321-334.	2.1	87
31	Testing the timing of radiocarbon-dated events between proxy archives. <i>Holocene</i> , 2007, 17, 283-288.	1.7	81
32	Centennial-scale climate change in Ireland during the Holocene. <i>Earth-Science Reviews</i> , 2013, 126, 300-320.	9.1	79
33	Deposition times in the northeastern United States during the Holocene: establishing valid priors for Bayesian age models. <i>Quaternary Science Reviews</i> , 2012, 48, 54-60.	3.0	71
34	Vegetation changes and human settlement of Easter Island during the last millennia: a multiproxy study of the Lake Raraku sediments. <i>Quaternary Science Reviews</i> , 2013, 72, 36-48.	3.0	71
35	High-resolution 14C dating of a 25,000-year lake-sediment record from equatorial East Africa. <i>Quaternary Science Reviews</i> , 2011, 30, 3043-3059.	3.0	68
36	The IntCal20 Approach to Radiocarbon Calibration Curve Construction: A New Methodology Using Bayesian Splines and Errors-in-Variables. <i>Radiocarbon</i> , 2020, 62, 821-863.	1.8	68

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37	Were last glacial climate events simultaneous between Greenland and France? A quantitative comparison using non-tuned chronologies. <i>Journal of Quaternary Science</i> , 2010, 25, 387-394.	2.1	67
38	Radiocarbon dating of bulk peat samples from raised bogs: non-existence of a previously reported "reservoir effect". <i>Quaternary Science Reviews</i> , 2004, 23, 1537-1542.	3.0	63
39	Rapid climate change did not cause population collapse at the end of the European Bronze Age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17045-17049.	7.1	62
40	A Bayesian Framework for Age Modeling of Radiocarbon-Dated Peat Deposits: Case Studies from the Netherlands. <i>Radiocarbon</i> , 2007, 49, 357-367.	1.8	60
41	Nineteenth and twentieth century sea-level changes in Tasmania and New Zealand. <i>Earth and Planetary Science Letters</i> , 2012, 315-316, 94-102.	4.4	59
42	Cooling and changing seasonality in the Southern Alps, New Zealand during the Antarctic Cold Reversal. <i>Quaternary Science Reviews</i> , 2008, 27, 589-601.	3.0	52
43	A novel approach to varve counting using $^{14}\text{C}$ XRF and X-radiography in combination with thin-section microscopy, applied to the Late Glacial chronology from Lake Suigetsu, Japan. <i>Quaternary Geochronology</i> , 2012, 13, 70-80.	1.4	52
44	High precision $^{14}\text{C}$ dating of Holocene peat deposits: A comparison of Bayesian calibration and wiggle-matching approaches. <i>Quaternary Geochronology</i> , 2006, 1, 222-235.	1.4	51
45	Tephra from andesitic Shiveluch volcano, Kamchatka, NW Pacific: chronology of explosive eruptions and geochemical fingerprinting of volcanic glass. <i>International Journal of Earth Sciences</i> , 2015, 104, 1459-1482.	1.8	49
46	High-resolution reconstruction of atmospheric deposition of trace metals and metalloids since AD 1400 recorded by ombrotrophic peat cores in Hautes-Fagnes, Belgium. <i>Environmental Pollution</i> , 2013, 178, 381-394.	7.5	48
47	High-resolution stratigraphy of the northernmost concentric raised bog in Europe: Sellevollmyra, AndÅya, northern Norway. <i>Boreas</i> , 2007, 36, 253-277.	2.4	45
48	Estimation of Age-Depth Relationships. <i>Developments in Paleoenvironmental Research</i> , 2012, , 379-413.	8.0	45
49	An automated method for varve interpolation and its application to the Late Glacial chronology from Lake Suigetsu, Japan. <i>Quaternary Geochronology</i> , 2012, 13, 52-69.	1.4	44
50	Carbon-14 wiggle-match dating of peat deposits: advantages and limitations. <i>Journal of Quaternary Science</i> , 2004, 19, 177-181.	2.1	41
51	Late Holocene linkages between decade-century scale climate variability and productivity at Lake Tanganyika, Africa. <i>Journal of Paleolimnology</i> , 2006, 36, 189-209.	1.6	41
52	Stomatal proxy record of CO <sub>2</sub> concentrations from the last termination suggests an important role for CO <sub>2</sub> at climate change transitions. <i>Quaternary Science Reviews</i> , 2013, 68, 43-58.	3.0	41
53	Decomposing the mid-Holocene <i>Tsuga</i> decline in eastern North America. <i>Ecology</i> , 2012, 93, 1841-1852.	3.2	40
54	Lake Kumphawapi "an archive of Holocene palaeoenvironmental and palaeoclimatic changes in northeast Thailand. <i>Quaternary Science Reviews</i> , 2013, 68, 59-75.	3.0	40

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55	Peat multi-proxy data from MÄnnikjÄrve bog as indicators of late Holocene climate changes in Estonia. <i>Boreas</i> , 2007, 36, 20-37.	2.4	38
56	Interannual and (multi-)decadal variability in the sedimentary BIT index of Lake Challa, East Africa, over the past 2200 years: assessment of the precipitation proxy. <i>Climate of the Past</i> , 2016, 12, 1243-1262.	3.4	37
57	Reanalysis of the Atmospheric Radiocarbon Calibration Record from Lake Suigetsu, Japan. <i>Radiocarbon</i> , 2020, 62, 989-999.	1.8	36
58	Specific Growth Rate Plays a Critical Role in Hydrogen Peroxide Resistance of the Marine Oligotrophic Ultramicrobacterium <i>Sphingomonas alaskensis</i> Strain RB2256. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1292-1299.	3.1	35
59	A 1300Äyear multiÄproxy, highÄresolution record from a rich fen in northern Poland: reconstructing hydrology, land use and climate change. <i>Journal of Quaternary Science</i> , 2013, 28, 582-594.	2.1	35
60	Rapid succession of plant associations on the small ocean island of Mauritius at the onset of the Holocene. <i>Quaternary Science Reviews</i> , 2013, 68, 114-125.	3.0	33
61	Geochemical records of palaeoenvironmental controls on peat forming processes in the Mfabeni peatland, Kwazulu Natal, South Africa since the Late Pleistocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 395, 95-106.	2.3	33
62	The anatomy of Last Glacial Maximum climate variations in south Westland, New Zealand, derived from pollen records. <i>Quaternary Science Reviews</i> , 2013, 74, 215-229.	3.0	32
63	A millennial record of environmental change in peat deposits from the Misten bog (East Belgium). <i>Quaternary International</i> , 2012, 268, 44-57.	1.5	31
64	A geochronologic framework for the Ziegler Reservoir fossil site, Snowmass Village, Colorado. <i>Quaternary Research</i> , 2014, 82, 490-503.	1.7	31
65	Hydroclimatic shifts in northeast Thailand during the last two millennia Äthe record of Lake Pa Kho. <i>Quaternary Science Reviews</i> , 2015, 111, 62-71.	3.0	31
66	Reconstructing the accumulation history of a saltmarsh sediment core: Which age-depth model is best?. <i>Quaternary Geochronology</i> , 2017, 39, 35-67.	1.4	30
67	A multi-proxy palaeoenvironmental investigation of the findspot of an Iron Age bog body from Oldcroghan, Co. Offaly, Ireland. <i>Journal of Archaeological Science</i> , 2009, 36, 265-277.	2.4	28
68	Sediment accumulation rates in subarctic lakes: Insights into age-depth modeling from 22 dated lake records from the Northwest Territories, Canada. <i>Quaternary Geochronology</i> , 2015, 27, 131-144.	1.4	28
69	Onset and termination of the late-glacial climate reversal in the high-resolution diatom and sedimentary records from the annually laminated SG06 core from Lake Suigetsu, Japan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 306, 103-115.	2.3	27
70	Signal and variability within a Holocene peat bog ÄChronological uncertainties of pollen, macrofossil and fungal proxies. <i>Review of Palaeobotany and Palynology</i> , 2012, 186, 5-15.	1.5	27
71	Vegetation responses to rapid climatic changes during the last deglaciation 13,500Ä8,000Äyears ago on southwest AndÄya, arctic Norway. <i>Vegetation History and Archaeobotany</i> , 2012, 21, 17-35.	2.1	27
72	Synchronous records of pCO <sub>2</sub> and Ä14C suggest rapid, ocean-derived pCO <sub>2</sub> fluctuations at the onset of Younger Dryas. <i>Quaternary Science Reviews</i> , 2014, 99, 84-96.	3.0	26

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73	Holocene environmental changes in northeast Thailand as reconstructed from a tropical wetland. <i>Global and Planetary Change</i> , 2012, 92-93, 148-161.	3.5	25
74	Distal tephrochronology in volcanic regions: Challenges and insights from Kamchatkan lake sediments. <i>Global and Planetary Change</i> , 2015, 134, 26-40.	3.5	24
75	An extended and revised Lake Suigetsu varve chronology from $\sim 1450$ to $\sim 10$ ka BP based on detailed sediment micro-facies analyses. <i>Quaternary Science Reviews</i> , 2018, 200, 351-366.	3.0	23
76	Late Holocene climate change in central Sweden inferred from lacustrine stable isotope data. <i>Journal of Quaternary Science</i> , 2010, 25, 1305-1316.	2.1	22
77	Sea-level changes in Iceland and the influence of the North Atlantic Oscillation during the last half millennium. <i>Quaternary Science Reviews</i> , 2015, 108, 23-36.	3.0	22
78	Lake Kumphawapi revisited – The complex climatic and environmental record of a tropical wetland in NE Thailand. <i>Holocene</i> , 2016, 26, 614-626.	1.7	22
79	Holocene lake sediments from the Faiyum Oasis in Egypt: a record of environmental and climate change. <i>Boreas</i> , 2018, 47, 62-79.	2.4	22
80	Linking past cultural developments to palaeoenvironmental changes in Estonia. <i>Vegetation History and Archaeobotany</i> , 2009, 18, 315-327.	2.1	21
81	Vegetation and climate $12 \pm 300$ – $9000$ cal. yr BP at Andfjella, NW Norway. <i>Boreas</i> , 2009, 38, 402-420.		21
82	High-resolution geochemical record of environmental changes during MIS 3 from the northern Alps (Nesseltalgraben, Germany). <i>Quaternary Science Reviews</i> , 2019, 218, 122-136.	3.0	20
83	Comparing classical and Bayesian $^{210}\text{Pb}$ dating models in human-impacted aquatic environments. <i>Quaternary Geochronology</i> , 2020, 60, 101106.	1.4	19
84	Climate and Peatlands. , 2010, , 85-121.		18
85	Radiocarbon wiggle-match dating of proglacial lake sediments – Implications for the 8.2ka event. <i>Quaternary Geochronology</i> , 2009, 4, 267-277.	1.4	17
86	Geochronological database and classification system for age uncertainties in Neotropical pollen records. <i>Climate of the Past</i> , 2016, 12, 387-414.	3.4	17
87	The Problems of Radiocarbon Dating. <i>Science</i> , 2005, 308, 1551-1553.	12.6	16
88	Summary of the Snowmastodon Project Special Volume A high-elevation, multi-proxy biotic and environmental record of MIS 6–4 from the Ziegler Reservoir fossil site, Snowmass Village, Colorado, USA. <i>Quaternary Research</i> , 2014, 82, 618-634.	1.7	16
89	10,000 years of climate control over carbon accumulation in an Iberian bog (southwestern Europe). <i>Geoscience Frontiers</i> , 2019, 10, 1521-1533.	8.4	15
90	Examining the uncertainties in a $\delta^{13}\text{C}$ -tuned and stacked peatland water table reconstruction. <i>Quaternary International</i> , 2012, 268, 58-64.	1.5	14

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91	Age models and the Younger Dryas Impact Hypothesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2240; author reply E2245-7.	7.1	13
92	Hydroclimate variability of central Indo-Pacific region during the Holocene. <i>Quaternary Science Reviews</i> , 2021, 253, 106779.	3.0	13
93	Northward shift of the southern westerlies during the Antarctic Cold Reversal. <i>Quaternary Science Reviews</i> , 2021, 271, 107189.	3.0	9
94	Air pollutant contamination and acidification of surface waters in the North York Moors, UK: Multi-proxy evidence from the sediments of a moorland pool. <i>Holocene</i> , 2015, 25, 226-237.	1.7	8
95	Scientific drilling of sediments at Darwin Crater, Tasmania. <i>Scientific Drilling</i> , 0, 25, 1-14.	0.6	8
96	Holocene establishment of mangrove forests in the western coast of the Gulf of Mexico. <i>Catena</i> , 2019, 180, 212-223.	5.0	7
97	A Review of Statistics in Palaeoenvironmental Research. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2020, 25, 17-31.	1.4	6
98	Late Cretaceous to Palaeogene carbon isotope, calcareous nannofossil and foraminifera stratigraphy of the Chalk Group, Central North Sea. <i>Marine and Petroleum Geology</i> , 2021, 124, 104789.	3.3	6
99	The Importance of Open Access to Chronological Information: The IntChron Initiative. <i>Radiocarbon</i> , 2019, 61, 1121-1131.	1.8	5
100	Comment on "Atmospheric Mercury Accumulation Rates between 5900 and 800 Calibrated Years BP in the High Arctic of Canada Recorded by Peat Hummocks". <i>Environmental Science &amp; Technology</i> , 2005, 39, 908-909.	10.0	4
101	The Varve Interpolation Program 3.0.0 - A unique and easy to use tool for incompletely varved sediments. <i>Quaternary Geochronology</i> , 2018, 48, 17-24.	1.4	4
102	Reconstructing the middle to late Pleistocene explosive eruption histories of Popocatepetl, Iztaccihuatl and Tláloc-Telapán volcanoes in Central Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 421, 107413.	2.1	4
103	High-resolution stratigraphy of the northernmost concentric raised bog in Europe: Sellevollmyra, Andåya, northern Norway. <i>Boreas</i> , 2007, 36, 253-277.	2.4	3
104	Peatlands as a model system for exploring and reconciling Quaternary chronologies. <i>PAGES News</i> , 2010, 18, 9-10.	0.1	3
105	A Multi-Proxy Reconstruction of Environmental Change in the Vicinity of the North Bay Outlet of Pro-Glacial Lake Algonquin. <i>Open Quaternary</i> , 2019, 5, 12.	1.0	3
106	Mid to late Holocene sea-level rise and precipitation variability recorded in the fringe mangroves of the Caribbean coast of Panama. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 592, 110918.	2.3	3
107	Reply: Were last glacial climate events simultaneous between Greenland and France? A quantitative comparison using non-tuned chronologies. <i>Journal of Quaternary Science</i> , 2010, 25, 1047-1047.	2.1	2
108	Environmental variability during the last three millennia in the rain shadows of central Mexico. <i>Boletín De La Sociedad Geológica Mexicana</i> , 2021, 73, A171220.	0.3	2

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109	Paleochronology building workshop. PAGES News, 2011, 19, 34-34.	0.1	1
110	The pitfalls of tuned proxy archives. Quaternary International, 2012, 279-280, 53.	1.5	0
111	Response to: Comment on "Synchronous records of pCO <sub>2</sub> and $\delta^{14}C$ suggest rapid, ocean-derived pCO <sub>2</sub> fluctuations at the onset of Younger Dryas" (Steinthorsdottir et al., 2014, Quaternary Science Reviews) Tj ETQq 13.10.7843d4 rgBT	1.5	0