Malcolm K Hughes

List of Publications by Year
in descending order

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125 papers	15,113 citations	41344 49 h-index	42399 92 g-index
130 all docs	130 docs citations	130 times ranked	11312 citing authors

#	Article	IF	Citations
1	Recognising bias in Common Era temperature reconstructions. Dendrochronologia, 2022, 74, 125982.	2.2	8
2	The influence of decision-making in tree ring-based climate reconstructions. Nature Communications, 2021, 12, 3411.	12.8	59
3	Prominent role of volcanism in Common Era climate variability and human history. Dendrochronologia, 2020, 64, 125757.	2.2	66
4	An interpreted language implementation of the Vaganovâ€“Shashkin tree-ring proxy system model. Dendrochronologia, 2020, 60, 125677.	2.2	33
5	Different climate responses of spruce and pine growth in Northern European Russia. Dendrochronologia, 2019, 56, 125601.	2.2	10
6	Siberian tree-ring and stable isotope proxies as indicators of temperature and moisture changes after major stratospheric volcanic eruptions. Climate of the Past, 2019, 15, 685-700.	3.4	26
7	Harold Clark Fritts 1928â€“2019. Tree-Ring Research, 2019, 75, 167.	0.6	2
8	Keith R. Briffa. Tree-Ring Research, 2018, 74, 132-133.	0.6	0
9	Spatiotemporal Variability in the Climate Growth Response of High Elevation Bristlecone Pine in the White Mountains of California. Geophysical Research Letters, 2018, 45, 13,312.	4.0	28
10	Trends In Elemental Concentrations of Tree Rings From the Siberian Arctic. Tree-Ring Research, 2016, 72, 67-77.	0.6	13
11	Probabilistic reconstructions of local temperature and soil moisture from tree-ring data with potentially time-varying climatic response. Climate Dynamics, 2015, 44, 791-806.	3.8	33
12	Changing climate response in near-treeline bristlecone pine with elevation and aspect. Environmental Research Letters, 2014, 9, 114007.	5.2	76
13	Five millennia of paleotemperature from tree-rings in the Great Basin, USA. Climate Dynamics, 2014, 42, 1517-1526.	3.8	84
14	A cluster of stratospheric volcanic eruptions in the AD 530s recorded in Siberian tree rings. Global and Planetary Change, 2014, 122, 140-150.	3.5	18
15	Comparing forest measurements from tree rings and a space-based index of vegetation activity in Siberia. Environmental Research Letters, 2013, 8, 035034.	5.2	59
16	Long-term functional plasticity in plant hydraulic architecture in response to supplemental moisture. Annals of Botany, 2012, 109, 1091-1100.	2.9	86
17	Tree rings and volcanic cooling. Nature Geoscience, 2012, 5, 836-837.	12.9	137
18	Topographically modified tree-ring chronologies as a potential means to improve paleoclimate inference. Climatic Change, 2011, 105, 627-634.	3.6	52

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19	An efficient forward model of the climate controls on interannual variation in tree-ring width. Climate Dynamics, 2011, 36, 2419-2439.	3.8	145
20	Spatial and Temporal Characteristics of Climate in Medieval Times Revisited. Bulletin of the American Meteorological Society, 2011, 92, 1487-1500.	3.3	129
21	Tree Rings and Climate: Sharpening the Focus. Developments in Paleoenvironmental Research, 2011, , 331-353.	8.0	3
22	Dendroclimatology from Regional to Continental Scales: Understanding Regional Processes to Reconstruct Large-Scale Climatic Variations Across the Western Americas. Developments in Paleoenvironmental Research, 2011, , 175-227.	8.0	20
23	Dendroclimatology in High-Resolution Paleoclimatology. Developments in Paleoenvironmental Research, 2011, , 17-34.	8.0	22
24	Volcanic Eruptions over the Last 5,000 Years from High Elevation Tree-Ring Widths and Frost Rings. Advances in Global Change Research, 2010, , 469-482.	1.6	2
25	Recent unprecedented tree-ring growth in bristlecone pine at the highest elevations and possible causes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20348-20353.	7.1	313
26	Reply to McIntyre and McKitrick: Proxy-based temperature reconstructions are robust. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, .	7.1	4
27	The future of the pastâ€"an earth system framework for high resolution paleoclimatology: editorial essay. Climatic Change, 2009, 94, 247-259.	3.6	40
28	Global Signatures and Dynamical Origins of the Little Ice Age and Medieval Climate Anomaly. Science, 2009, 326, 1256-1260.	12.6	1,894
29	Climate variability and change in the drylands of Western North America. Global and Planetary Change, 2008, 64, 111-118.	3.5	24
30	Proxy-based reconstructions of hemispheric and global surface temperature variations over the past two millennia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13252-13257.	7.1	1,035
31	Reconstructing the Mediaeval low stands of Mono Lake, Sierra Nevada, California, USA. Holocene, 2007, 17, 1197-1210.	1.7	38
32	Medieval drought in the upper Colorado River Basin. Geophysical Research Letters, 2007, 34, .	4.0	297
33	Bristlecone pine tree rings and volcanic eruptions over the last 5000 yr. Quaternary Research, 2007, 67, 57-68.	1.7	194
34	Mayâ€"June precipitation reconstruction of southwestern anatolia, Turkey during the last 900 years from tree rings. Quaternary Research, 2007, 68, 196-202.	1.7	100
35	Regional features of the radial growth of larch in north central Siberia according to millennial tree-ring chronologies. Russian Journal of Ecology, 2007, 38, 90-93.	0.9	10
36	Tropical Pacific â€“ mid-latitude teleconnections in medieval times. Climatic Change, 2007, 83, 241-285.	3.6	195

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37	Holocene paleoclimate records from a large California estuarine system and its watershed region: linking watershed climate and bay conditions. Quaternary Science Reviews, 2006, 25, 1570-1598.	3.0	53
38	Authors were clear about hockey-stick uncertainties. Nature, 2006, 442, 627-627.	27.8	1
39	Separating the climatic signal from tree-ring width and maximum latewood density records. Trees - Structure and Function, 2006, 21, 37-44.	1.9	40
40	A Not-So-Abrupt Departure. Science, 2006, 312, 528-529.	12.6	0
41	Exploratory Temperature and Precipitation Reconstructions from the Qinling Mountains, North-Central China. Tree-Ring Research, 2005, 61, 59-72.	0.6	26
42	Reconstructions of spring/summer precipitation for the Eastern Mediterranean from tree-ring widths and its connection to large-scale atmospheric circulation. Climate Dynamics, 2005, 25, 75-98.	3.8	163
43	Standardized Precipitation Index Reconstructed from Turkish Tree-Ring Widths. Climatic Change, 2005, 72, 339-353.	3.6	96
44	Proxy-Based Northern Hemisphere Surface Temperature Reconstructions: Sensitivity to Method, Predictor Network, Target Season, and Target Domain. Journal of Climate, 2005, 18, 2308-2329.	3.2	198
45	Seasonal precipitation in the south-central Helan Mountain region, China, reconstructed from tree-ring width for the past 224 years. Canadian Journal of Forest Research, 2005, 35, 2403-2412.	1.7	82
46	Article for issuebuilding instruction Joint Workflow 1.7 - 1.8. Biotechnology Letters, 2005, 29, 239-262.	2.2	0
47	Reconstructions of spring/summer precipitation for the Eastern Mediterranean from tree-ring widths and its connection to large-scale atmospheric circulation. Biotechnology Letters, 2005, 29, 333-356.	2.2	0
48	Reconstructions of spring/summer precipitation for the Eastern Mediterranean from tree-ring widths and its connection to large-scale atmospheric circulation. Biotechnology Letters, 2005, 29, 35-58.	2.2	0
49	One more article for issuebuilding in the Joint Workflow 1.7 - 1.8. Biotechnology Letters, 2005, 29, 263-286.	2.2	0
50	The Tunguska Event in 1908: Evidence from Tree-Ring Anatomy. Astrobiology, 2004, 4, 391-399.	3.0	12
51	Tree-ring growth curves as sources of climatic information. Quaternary Research, 2004, 62, 126-133.	1.7	32
52	CLIMATE CHANGE: Climate in Medieval Time. Science, 2003, 302, 404-405.	12.6	350
53	Remote sensing estimates of boreal and temperate forest woody biomass: carbon pools, sources, and sinks. Remote Sensing of Environment, 2003, 84, 393-410.	11.0	307
54	The importance of early summer temperature and date of snow melt for tree growth in the Siberian Subarctic. Trees - Structure and Function, 2003, 17, 61-69.	1.9	210

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55	Preliminary reconstructions of spring precipitation in southwestern Turkey from tree-ring width. International Journal of Climatology, 2003, 23, 157-171.	3.5	119
56	Optimal surface temperature reconstructions using terrestrial borehole data. Journal of Geophysical Research, 2003, 108, .	3.3	58
57	On past temperatures and anomalous late-20th-century warmth. Eos, 2003, 84, 256-256.	0.1	95
58	Response â€œ[to Comment on â€˜On past temperatures and anomalous late-20th-century warmthâ€™â€]. Eos, 2003, 84, 473.	0.1	6
59	Title is missing!. Climatic Change, 2003, 59, 233-244.	3.6	47
60	Summer temperature in northeastern Siberia since 1642 reconstructed from tracheid dimensions and cell numbers of Larix cajanderi. Canadian Journal of Forest Research, 2003, 33, 1905-1914.	1.7	78
61	Tree-Ring Chronologies and Climate Variability. Science, 2002, 296, 848-849.	12.6	26
62	Dendrochronology in climatology â€“ the state of the art. Dendrochronologia, 2002, 20, 95-116.	2.2	220
63	Cool-season precipitation in the southwestern USA since AD 1000: comparison of linear and nonlinear techniques for reconstruction. International Journal of Climatology, 2002, 22, 1645-1662.	3.5	79
64	The climate of the US Southwest. Climate Research, 2002, 21, 219-238.	1.1	486
65	Reconstructing late Holocene climate. Eos, 2001, 82, 553-553.	0.1	4
66	SACRAMENTO RIVER FLOW RECONSTRUCTED TO A.D. 869 FROM TREE RINGS1. Journal of the American Water Resources Association, 2001, 37, 1029-1039.	2.4	222
67	Volcanic Signals in Temperature Reconstructions Based on Tree-Ring Records for North and South America. , 2001, , 141-154.		1
68	A large carbon sink in the woody biomass of Northern forests. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 14784-14789.	7.1	568
69	The Scope of Medieval Warming. Science, 2001, 292, 2011b-2012.	12.6	30
70	A Global Paleoclimate Observing System. Science, 2001, 293, 47c-48.	12.6	18
71	commentary and analysis: Comments on "Detection and Attribution of Recent Climate Change: A Status Report". Bulletin of the American Meteorological Society, 2000, 81, 2987-2992.	3.3	9
72	reply: Constraints to growth of boreal forests. Nature, 2000, 405, 905-905.	27.8	6

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73	Engineering design of an image acquisition and analysis system for dendrochronology. Optical Engineering, 2000, 39, 453.	1.0	12
74	Global Temperature Patterns in Past Centuries: An Interactive Presentation. Earth Interactions, 2000, 4, 1-1.	1.5	604
75	Influence of snowfall and melt timing on tree growth in subarctic Eurasia. Nature, 1999, 400, 149-151.	27.8	536
76	A 396-YEAR RECONSTRUCTION OF PRECIPITATION IN SOUTHERN JORDAN. Journal of the American Water Resources Association, 1999, 35, 49-59.	2.4	111
77	Twentieth-century summer warmth in northern Yakutia in a 600-year context. Holocene, 1999, 9, 629-634.	1.7	118
78	July temperature during the second millennium reconstructed from Idaho tree rings. Geophysical Research Letters, 1999, 26, 1445-1448.	4.0	42
79	Northern hemisphere temperatures during the past millennium: Inferences, uncertainties, and limitations. Geophysical Research Letters, 1999, 26, 759-762.	4.0	1,511
80	Dendrochronology in Jordan. Journal of Arid Environments, 1999, 42, 291-303.	2.4	69
81	Assessing Climate Variability in the Southwest: State of the Science. , 1999, , 1.		0
82	Global-scale temperature patterns and climate forcing over the past six centuries. Nature, 1998, 392, 779-787.	27.8	1,607
83	Extremes of moisture availability reconstructed from tree rings for recent millennia in the great basin of western north America. , 1998, , 99-107.		38
84	Global Temperature Patterns. Science, 1998, 280, 2027e-2027.	12.6	13
85	Inter-decadal signals during the last millennium (AD 1117-1992) in the Varve record of Santa Barbara Basin, California. Geophysical Research Letters, 1997, 24, 193-196.	4.0	65
86	Multimillennial dendroclimatic studies from the western United States. , 1996, , 109-124.		67
87	A Single-Year Î´13C Chronology from Pinus Tabulaeformis (Chinese Pine) Tree Rings at Huangling, China. Radiocarbon, 1995, 37, 605-610.	1.8	12
88	Was there a ?medieval warm period?, and if so, where and when?. Climatic Change, 1994, 26, 109-142.	3.6	494
89	A Preliminary Reconstruction of Rainfall in North-Central China since A.D. 1600 from Tree-Ring Density and Width. Quaternary Research, 1994, 42, 88-99.	1.7	122
90	Was There a â€˜Medieval Warm Periodâ€™, and if so, Where and When?. , 1994, , 109-142.		37

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91	Spatial Patterns of Tree-Growth Anomalies in the United States and Southeastern Canada. Journal of Climate, 1993, 6, 1773-1786.	3.2	123
92	Report of the Workshop, â€œProspects for Temporal Extension of the Radiocarbon Calibrationâ€, 19 May 1991. Radiocarbon, 1992, 34, 941-941.	1.8	1
93	Drought frequency in central California since 101 B.C. recorded in giant sequoia tree rings. Climate Dynamics, 1992, 6, 161-167.	3.8	93
94	Climate and signature years in west European oaks. Nature, 1989, 340, 57-60.	27.8	46
95	Ice-layer dating of eruption at Santorini. Nature, 1988, 335, 211-212.	27.8	28
96	Reconstructing Summer Temperatures in Northern Fennoscandinavia Back to A.D. 1700 Using Tree-Ring Data from Scots Pine. Arctic and Alpine Research, 1988, 20, 385.	1.3	162
97	Julyâ€“August temperature at Edinburgh between 1721 and 1975 from tree-ring density and width data. Nature, 1984, 308, 341-344.	27.8	93
98	Sapwood estimates in the interpretation of tree-ring dates. Journal of Archaeological Science, 1981, 8, 381-390.	2.4	51
99	Climatic signals in British Isles tree-ring chronologies. Nature, 1978, 272, 605-606.	27.8	31
100	Ground vegetation net production in a Danish beech wood. Oecologia, 1975, 18, 251-258.	2.0	19
101	Seasonal Calorific Values from a Deciduous Woodland in England. Ecology, 1971, 52, 923-926.	3.2	22
102	Long-Term Variability in the El NiÃ±o/Southern Oscillation and Associated Teleconnections. , 0, , 357-410.		25
103	Test deadline calculation for Joint Workflow 1.7 - 1.8. Biotechnology Letters, 0, , 1-24.	2.2	0
104	Reconstructions of spring/summer precipitation for the Eastern Mediterranean from tree-ring widths and its connection to large-scale atmospheric circulation. Biotechnology Letters, 0, , 1-24.	2.2	0
105	Reconstructions of spring/summer precipitation for the Eastern Mediterranean from tree-ring widths and its connection to large-scale atmospheric circulation. Biotechnology Letters, 0, , 1-24.	2.2	0
106	Issue building article for Joint Workflow 1.7 - 1.8. Biotechnology Letters, 0, , 1-24.	2.2	0
107	Mechanisms associated with Acanthamoeba castellanii (T4) phagocytosis. Biotechnology Letters, 0, , 1-24.	2.2	0
108	Test Contains Color Images. Biotechnology Letters, 0, , 1-24.	2.2	0

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109	Demo, demo, demo, demo. Biotechnology Letters, 0, , 1-24.	2.2	0
110	Lister and Rimmer are going out for a SpACE walk. Biotechnology Letters, 0, , 1-24.	2.2	0
111	Testing the erratum workflow once more, third time!. Biotechnology Letters, 0, , 1-24.	2.2	0
112	Test Contains Color Images. Biotechnology Letters, 0, , 1-24.	2.2	1
113	Testing the erratum workflow once more, fourth time!. Biotechnology Letters, 0, , 1-24.	2.2	0
114	test cross linking erratum and original article. Biotechnology Letters, 0, , 1-24.	2.2	0
115	Test Contains Color Images. Biotechnology Letters, 0, , 1-24.	2.2	0
116	Testcases for new erratum workflow functionality. Biotechnology Letters, 0, , 1-24.	2.2	0
117	Demo Reinhold Michels in Dordrecht!. Biotechnology Letters, 0, , 1-24.	2.2	0
118	Update Content zip file at stage 200 / 300. Biotechnology Letters, 0, , 1-24.	2.2	0
119	Test address export from SpACE to JEM. Biotechnology Letters, 0, , 1-24.	2.2	0
120	Last testcase for new erratum workflow functionality. Biotechnology Letters, 0, , 1-24.	2.2	0
121	Testcase 2 for erratum workflow functionality in 1.9. Biotechnology Letters, 0, , 1-24.	2.2	0
122	Test color images on page for Joint Workflow 1.09.04a. Biotechnology Letters, 0, , 1-24.	2.2	0
123	Mechanisms associated with Acanthamoeba castellanii (T4) phagocytosis. Biotechnology Letters, 0, , 1-24.	2.2	0
124	Testcases for new erratum workflow functionality. Biotechnology Letters, 0, , 1-24.	2.2	0
125	Testcases for new erratum workflow functionality. Biotechnology Letters, 0, , 1-24.	2.2	0