Polychronis C Tzedakis

List of Publications by Year
in descending order

105 papers	10,225 citations	25014 57 h-index	34964 98 g-index
123 all docs	123 docs citations	123 times ranked	7857 citing authors

#	Article	IF	Citations
1	Quaternary Refugia of North European Trees. Journal of Biogeography, 1991, 18, 103.	1.4	701
2	Buffered Tree Population Changes in a Quaternary Refugium: Evolutionary Implications. Science, 2002, 297, 2044-2047.	6.0	522
3	Interglacials of the last 800,000â€‰years. Reviews of Geophysics, 2016, 54, 162-219.	9.0	359
4	The last 1.35 million years at Tenaghi Philippon: revised chronostratigraphy and long-term vegetation trends. Quaternary Science Reviews, 2006, 25, 3416-3430.	1.4	353
5	Last Interglacial Climates. Quaternary Research, 2002, 58, 2-13.	1.0	333
6	Millennial-scale variability during the last glacial in vegetation records from Europe. Quaternary Science Reviews, 2010, 29, 2839-2864.	1.4	315
7	The spread of deciduous Quercus throughout Europe since the last glacial period. Forest Ecology and Management, 2002, 156, 27-48.	1.4	308
8	Palaeolithic landscapes of Europe and environs, 150,000-25,000 years ago: An overview. Quaternary Science Reviews, 1996, 15, 481-500.	1.4	304
9	Seven ambiguities in the Mediterranean palaeoenvironmental narrative. Quaternary Science Reviews, 2007, 26, 2042-2066.	1.4	285
10	Cryptic or mystic? Glacial tree refugia in northern Europe. Trends in Ecology and Evolution, 2013, 28, 696-704.	4.2	273
11	Comparison of terrestrial and marine records of changing climate of the last 500,000 years. Earth and Planetary Science Letters, 1997, 150, 171-176.	1.8	264
12	The role of climate in the spread of modern humans into Europe. Quaternary Science Reviews, 2011, 30, 273-279.	1.4	254
13	Long-term tree populations in northwest Greece through multiple Quaternary climatic cycles. Nature, 1993, 364, 437-440.	13.7	251
14	Volcanic ash layers illuminate the resilience of Neanderthals and early modern humans to natural hazards. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13532-13537.	3.3	180
15	The response of NW Iberian vegetation to North Atlantic climate oscillations during the last 65kyr. Quaternary Science Reviews, 2005, 24, 1637-1653.	1.4	172
16	The nature of millennial-scale climate variability during the past two glacial periods. Nature Geoscience, 2010, 3, 127-131.	5.4	169
17	Interglacial diversity. Nature Geoscience, 2009, 2, 751-755.	5.4	160
18	The Duration of Forest Stages in Southern Europe and Interglacial Climate Variability. Science, 2004, 306, 2231-2235.	6.0	156

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19	Late Holocene climate: Natural or anthropogenic?. Reviews of Geophysics, 2016, 54, 93-118.	9.0	150
20	An attempt at correlation between the Velay pollen sequence and the Middle Pleistocene stratigraphy from central Europe. Quaternary Science Reviews, 2001, 20, 1593-1602.	1.4	145
21	Establishing a terrestrial chronological framework as a basis for biostratigraphical comparisons. Quaternary Science Reviews, 2001, 20, 1583-1592.	1.4	143
22	Comparison of changes in vegetation in northeast Greece with records of climate variability on orbital and suborbital frequencies over the last 450â€ˆ000 years. Earth and Planetary Science Letters, 2003, 212, 197-212.	1.8	143
23	Ecological thresholds and patterns of millennial-scale climate variability: The response of vegetation in Greece during the last glacial period. Geology, 2004, 32, 109.	2.0	140
24	The Lateglacial and Holocene environmental history of the Ioannina basin, north-west Greece. Quaternary Science Reviews, 2004, 23, 1599-1625.	1.4	132
25	Response of Iberian Margin sediments to orbital and suborbital forcing over the past 420â€‰ka. Paleoceanography, 2013, 28, 185-199.	3.0	127
26	Combined Marine Proxy and Pollen Analyses Reveal Rapid Iberian Vegetation Response to North Atlantic Millennial-Scale Climate Oscillations. Quaternary Research, 2001, 56, 128-132.	1.0	126
27	Sequence of events from the onset to the demise of the Last Interglacial: Evaluating strengths and limitations of chronologies usedÂin climatic archives. Quaternary Science Reviews, 2015, 129, 1-36.	1.4	126
28	A 600,000Âyear long continental pollen record from Lake Van, eastern Anatolia (Turkey). Quaternary Science Reviews, 2014, 104, 30-41.	1.4	125
29	The last climatic cycle at Kopais, central Greece. Journal of the Geological Society, 1999, 156, 425-434.	0.9	117
30	A simple rule to determine which insolation cycles lead to interglacials. Nature, 2017, 542, 427-432.	13.7	108
31	Climate Variability in Northwest Greece During the Last Interglacial. Science, 1999, 285, 1886-1889.	6.0	106
32	Last Interglacial conditions in southern Europe: evidence from Ioannina, northwest Greece. Global and Planetary Change, 2003, 36, 157-170.	1.6	105
33	Climate and vegetation changes 180,000 to 345,000Âyears ago recorded in a deep-sea core off Portugal. Earth and Planetary Science Letters, 2006, 249, 307-325.	1.8	104
34	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. Global and Planetary Change, 2015, 133, 49-64.	1.6	99
35	Towards an understanding of the response of southern European vegetation to orbital and suborbital climate variability. Quaternary Science Reviews, 2005, 24, 1585-1599.	1.4	98
36	Timing and duration of Last Interglacial conditions in Europe: a chronicle of a changing chronology. Quaternary Science Reviews, 2003, 22, 763-768.	1.4	97

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37	Determining the natural length of the currentÂinterglacial. Nature Geoscience, 2012, 5, 138-141.	5.4	94
38	Enhanced climate instability in the North Atlantic and southern Europe during the Last Interglacial. Nature Communications, 2018, 9, 4235.	5.8	94
39	Placing late Neanderthals in a climatic context. Nature, 2007, 449, 206-208.	13.7	93
40	Atmospheric methane, southern European vegetation and low-mid latitude links on orbital and millennial timescales. Earth and Planetary Science Letters, 2009, 277, 307-317.	1.8	89
41	Ocean climate variability in the eastern North Atlantic during interglacial marine isotope stage 11: A partial analogue to the Holocene?. Paleoceanography, 2005, 20, n/a-n/a.	3.0	85
42	Interglacial vegetation succession: A view from southern Europe. Quaternary Science Reviews, 1995, 14, 967-982.	1.4	81
43	European vegetation during Marine Oxygen Isotope Stage-3. Quaternary Research, 2003, 59, 195-212.	1.0	77
44	Large-scale features of Last Interglacial climate: results from evaluating the <i>lig127k</i> simulations for the Coupled Model Intercomparison Project (CMIP6)â€“Paleoclimate Modeling Intercomparison Project (PMIP4). Climate of the Past, 2021, 17, 63-94.	1.3	76
45	Evolution of vegetation and climate variability on the Tibetan Plateau over the past 1.74 million years. Science Advances, 2020, 6, eaay6193.	4.7	74
46	The MIS 11 â€“ MIS 1 analogy, southern European vegetation, atmospheric methane and the "early anthropogenic hypothesis". Climate of the Past, 2010, 6, 131-144.	1.3	73
47	Can we predict the duration of an interglacial?. Climate of the Past, 2012, 8, 1473-1485.	1.3	72
48	The new chronology of the Ceprano calvarium (Italy). Journal of Human Evolution, 2010, 59, 580-585.	1.3	70
49	Astronomical tuning of long pollen records reveals the dynamic history of montane biomes and lake levels in the tropical high Andes during the Quaternary. Quaternary Science Reviews, 2013, 63, 59-72.	1.4	69
50	Duration and dynamics of the best orbital analogue to the present interglacial. Geology, 2015, 43, 603-606.	2.0	66
51	Land-ocean changes on orbital and millennial time scales and the penultimate glaciation. Geology, 2014, 42, 183-186.	2.0	65
52	The 1.35-Ma-long terrestrial climate archive of Tenaghi Philippon, northeastern Greece: Evolution, exploration, and perspectives for future research. Newsletters on Stratigraphy, 2015, 48, 253-276.	0.5	65
53	Vegetation history of the marine isotope stage 7 interglacial complex at Ioannina, NW Greece. Quaternary Science Reviews, 2008, 27, 1378-1395.	1.4	64
54	Orbital signatures and long-term vegetation patterns in the Mediterranean. Quaternary International, 2000, 73-74, 69-78.	0.7	63

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55	Duration of Last Interglacial Conditions in Northwestern Greece. Quaternary Research, 2002, 58, 53-55.	1.0	61
56	Lateglacial and Holocene vegetation history at Nisi Fen and the Boras mountains, northern Greece. Holocene, 2005, 15, 873-887.	0.9	60
57	Vegetation history of the penultimate glacial period (Marine isotope stage 6) at Ioannina, northâ€west Greece. Journal of Quaternary Science, 2011, 26, 616-626.	1.1	60
58	The marine isotope stage 1â€“5 cryptotephra record of Tenaghi Philippon, Greece: Towards a detailed tephrostratigraphic framework for the Eastern Mediterranean region. Quaternary Science Reviews, 2018, 186, 236-262.	1.4	60
59	Enhanced seasonality of precipitation in the Mediterranean during the early part of the Last Interglacial. Geology, 2012, 40, 919-922.	2.0	59
60	Character of vegetational and environmental changes in southern Europe during the last glacial period; evidence from Lesvos Island, Greece. Quaternary Science Reviews, 2009, 28, 1317-1339.	1.4	55
61	The Balkans as Prime Glacial Refugial Territory of European Temperate Trees. , 2004, , 49-68.		47
62	Comment on â€œGlacial Survival of Boreal Trees in Northern Scandinaviaâ€• Science, 2012, 338, 742-742.	6.0	47
63	Terrestrial biosphere changes over the last 120â€¯kyr. Climate of the Past, 2016, 12, 51-73.	1.3	43
64	The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. Scientific Drilling, 0, 16, 13-19.	1.0	41
65	Environmental variability during the Last Interglacial: a new highâ€resolution pollen record from Tenaghi Philippon, Greece. Journal of Quaternary Science, 2013, 28, 113-117.	1.1	41
66	Biogenic magnetite, detrital hematite, and relative paleointensity in Quaternary sediments from the Southwest Iberian Margin. Earth and Planetary Science Letters, 2013, 376, 99-109.	1.8	40
67	Diatom response to the Last Glacialâ€“Interglacial Transition in the Ioannina basin, northwest Greece: implications for Mediterranean palaeoclimate reconstruction. Quaternary Science Reviews, 2008, 27, 428-440.	1.4	38
68	An iceâ€“climate oscillatory framework for Dansgaardâ€“Oeschger cycles. Nature Reviews Earth & Environment, 2020, 1, 677-693.	12.2	38
69	The ACER pollen and charcoal database: aÂglobal resource to document vegetation and fire response to abrupt climate changes during the last glacial period. Earth System Science Data, 2017, 9, 679-695.	3.7	38
70	A revised chronological and palaeoenvironmental framework for the Kastritsa rockshelter, northwest Greece. Antiquity, 2000, 74, 349-355.	0.5	36
71	Extending the tephra and palaeoenvironmental record of the Central Mediterranean back to 430 ka: A new core from Fucino Basin, central Italy. Quaternary Science Reviews, 2019, 225, 106003.	1.4	32
72	Vegetation responses to abrupt climatic changes during the Last Interglacial Complex (Marine Isotope) Tj ETQq0 0 0 rgBT /Overlock 10	1.4	31

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73	Chemical and isotopic composition of modern water bodies in the Lake Kopais Basin, central Greece: analogues for the interpretation of the lacustrine sedimentary sequence. Sedimentary Geology, 2002, 148, 79-103.	1.0	28
74	Climate and the pollen record. Nature, 1994, 370, 513-513.	13.7	26
75	The penultimate deglaciation: protocol for Paleoclimate Modelling Intercomparison Project (PMIP) phase 4 transient numerical simulations between 140 and 127â€‰ka, version 1.0. Geoscientific Model Development, 2019, 12, 3649-3685.	1.3	26
76	Museums and cradles of Mediterranean biodiversity. Journal of Biogeography, 2009, 36, 1033-1034.	1.4	24
77	Similar millennial climate variability on the Iberian margin during two early Pleistocene glacials and MIS 3. Paleoceanography, 2016, 31, 203-217.	3.0	24
78	Response to Comment on â€œGlacial Survival of Boreal Trees in Northern Scandinaviaâ€• Science, 2012, 338, 742-742.	6.0	23
79	Hierarchical biostratigraphical classification of long pollen sequences. Journal of Quaternary Science, 1994, 9, 257-259.	1.1	22
80	Diatom-inferred late Pleistocene and Holocene palaeolimnological changes in the Ioannina basin, northwest Greece. Journal of Paleolimnology, 2013, 49, 185-204.	0.8	21
81	Compositional turnover and variation in Eemian pollen sequences in Europe. Vegetation History and Archaeobotany, 2020, 29, 101-109.	1.0	20
82	Frequency and dynamics of millennial-scale variability during Marine Isotope Stage 19: Insights from the Sulmona Basin (central Italy). Quaternary Science Reviews, 2019, 214, 28-43.	1.4	17
83	Magnesium in subaqueous speleothems as a potential palaeotemperature proxy. Nature Communications, 2020, 11, 5027.	5.8	16
84	Drivers of the evolution and amplitude of African Humid Periods. Communications Earth & Environment, 2021, 2, .	2.6	15
85	Intra-interglacial cold events: an Eemian-Holocene comparison. Geological Society Special Publication, 1998, 131, 91-99.	0.8	14
86	Response to Comment on "Buffered Tree Population Changes in a Quaternary Refugium: Evolutionary Implications". Science, 2003, 299, 825b-825.	6.0	14
87	Coupled oceanâ€“land millennial-scale changes 1.26millionyears ago, recorded at Site U1385 off Portugal. Global and Planetary Change, 2015, 135, 83-88.	1.6	13
88	Reconciling diverse lacustrine and terrestrial system response to penultimate deglacial warming in southern Europe. Geology, 2015, 43, 819-822.	2.0	13
89	New AMS dates from Upper Palaeolithic Kastritsa. Proceedings of the Prehistoric Society, London, 2001, 67, 271-278.	0.2	12
90	The anthropogenic influence on wildfire regimes: charcoal records from the Holocene and Last Interglacial at Ioannina, Greece. Journal of Biogeography, 2013, 40, 2324-2334.	1.4	12

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91	Glacial Inception in Marine Isotope Stage 19: An Orbital Analog for a Natural Holocene Climate. Scientific Reports, 2018, 8, 10213.	1.6	12
92	Challenges and research priorities to understand interactions between climate, ice sheets and global mean sea level during past interglacials. Quaternary Science Reviews, 2019, 219, 308-311.	1.4	12
93	Vegetation variability in Greece during the last interglacial. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2000, 79, 355-367.	0.6	11
94	The upland holocene transitional mires of Elatia forest, northern Greece. Wetlands, 2002, 22, 355-365.	0.7	11
95	The MIS 13 interglacial at Ceprano, Italy, in the context of Middle Pleistocene vegetation changes in southern Europe. Quaternary Science Reviews, 2018, 199, 144-158.	1.4	11
96	Effects of Soils on the Holocene History of Forest Communities, Cape Cod, Massachusetts, U.S.A.. GÃ©ographie Physique Et Quaternaire, 1992, 46, 113-124.	0.2	10
97	Fast and slow components of interstadial warming in the North Atlantic during the last glacial. Communications Earth & Environment, 2020, 1, .	2.6	10
98	Modern relationships between microscopic charcoal in marine sediments and fire regimes on adjacent landmasses to refine the interpretation of marine paleofire records: An Iberian case study. Quaternary Science Reviews, 2021, 270, 107148.	1.4	9
99	Marine Isotope Stage 11c: An unusual interglacial. Quaternary Science Reviews, 2022, 284, 107493.	1.4	9
100	Interpreting the Tyrrhenocythere (Ostracoda) signal from Palaeolake Kopais, central Greece. Boreas, 2002, 31, 250-259.	1.2	7
101	Persistent millennial-scale climate variability in Southern Europe during Marine Isotope Stage 6. Quaternary Science Advances, 2021, 3, 100016.	1.1	7
102	Abrupt intrinsic and extrinsic responses of southwestern Iberian vegetation to millennialâ€scale variability over the past 28 ka. Journal of Quaternary Science, 2022, 37, 420-440.	1.1	5
103	24. Fine-tuning the land-ocean correlation for the late middle pleistocene of Southern Europe. Developments in Quaternary Sciences, 2007, 7, 359-373.	0.1	2
104	POLLEN RECORDS, LATE PLEISTOCENE | Middle and Late Pleistocene in Southern Europe. , 2013, , 63-71.		2
105	James Croll and geological archives: testing astronomical theories of ice ages. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 0, , 1-12.	0.3	2