

Polychronis C Tzedakis

List of Publications by Year in descending order

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105
papers

10,225
citations

25034

57
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123
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123
docs citations

123
times ranked

7857
citing authors

#	ARTICLE	IF	CITATIONS
1	Quaternary Refugia of North European Trees. <i>Journal of Biogeography</i> , 1991, 18, 103.	3.0	701
2	Buffered Tree Population Changes in a Quaternary Refugium: Evolutionary Implications. <i>Science</i> , 2002, 297, 2044-2047.	12.6	522
3	Interglacials of the last 800,000 years. <i>Reviews of Geophysics</i> , 2016, 54, 162-219.	23.0	359
4	The last 1.35 million years at Tenaghi Philippon: revised chronostratigraphy and long-term vegetation trends. <i>Quaternary Science Reviews</i> , 2006, 25, 3416-3430.	3.0	353
5	Last Interglacial Climates. <i>Quaternary Research</i> , 2002, 58, 2-13.	1.7	333
6	Millennial-scale variability during the last glacial in vegetation records from Europe. <i>Quaternary Science Reviews</i> , 2010, 29, 2839-2864.	3.0	315
7	The spread of deciduous <i>Quercus</i> throughout Europe since the last glacial period. <i>Forest Ecology and Management</i> , 2002, 156, 27-48.	3.2	308
8	Palaeolithic landscapes of Europe and environs, 150,000-25,000 years ago: An overview. <i>Quaternary Science Reviews</i> , 1996, 15, 481-500.	3.0	304
9	Seven ambiguities in the Mediterranean palaeoenvironmental narrative. <i>Quaternary Science Reviews</i> , 2007, 26, 2042-2066.	3.0	285
10	Cryptic or mystic? Glacial tree refugia in northern Europe. <i>Trends in Ecology and Evolution</i> , 2013, 28, 696-704.	8.7	273
11	Comparison of terrestrial and marine records of changing climate of the last 500,000 years. <i>Earth and Planetary Science Letters</i> , 1997, 150, 171-176.	4.4	264
12	The role of climate in the spread of modern humans into Europe. <i>Quaternary Science Reviews</i> , 2011, 30, 273-279.	3.0	254
13	Long-term tree populations in northwest Greece through multiple Quaternary climatic cycles. <i>Nature</i> , 1993, 364, 437-440.	27.8	251
14	Volcanic ash layers illuminate the resilience of Neanderthals and early modern humans to natural hazards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13532-13537.	7.1	180
15	The response of NW Iberian vegetation to North Atlantic climate oscillations during the last 65kyr. <i>Quaternary Science Reviews</i> , 2005, 24, 1637-1653.	3.0	172
16	The nature of millennial-scale climate variability during the past two glacial periods. <i>Nature Geoscience</i> , 2010, 3, 127-131.	12.9	169
17	Interglacial diversity. <i>Nature Geoscience</i> , 2009, 2, 751-755.	12.9	160
18	The Duration of Forest Stages in Southern Europe and Interglacial Climate Variability. <i>Science</i> , 2004, 306, 2231-2235.	12.6	156

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19	Late Holocene climate: Natural or anthropogenic?. <i>Reviews of Geophysics</i> , 2016, 54, 93-118.	23.0	150
20	An attempt at correlation between the Velay pollen sequence and the Middle Pleistocene stratigraphy from central Europe. <i>Quaternary Science Reviews</i> , 2001, 20, 1593-1602.	3.0	145
21	Establishing a terrestrial chronological framework as a basis for biostratigraphical comparisons. <i>Quaternary Science Reviews</i> , 2001, 20, 1583-1592.	3.0	143
22	Comparison of changes in vegetation in northeast Greece with records of climate variability on orbital and suborbital frequencies over the last 450,000 years. <i>Earth and Planetary Science Letters</i> , 2003, 212, 197-212.	4.4	143
23	Ecological thresholds and patterns of millennial-scale climate variability: The response of vegetation in Greece during the last glacial period. <i>Geology</i> , 2004, 32, 109.	4.4	140
24	The Lateglacial and Holocene environmental history of the Ioannina basin, north-west Greece. <i>Quaternary Science Reviews</i> , 2004, 23, 1599-1625.	3.0	132
25	Response of Iberian Margin sediments to orbital and suborbital forcing over the past 420,000 years. <i>Paleoceanography</i> , 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. <i>Quaternary Research</i> , 2001, 56, 128-132.	1.7	126
27	Sequence of events from the onset to the demise of the Last Interglacial: Evaluating strengths and limitations of chronologies used in climatic archives. <i>Quaternary Science Reviews</i> , 2015, 129, 1-36.	3.0	126
28	A 600,000-year long continental pollen record from Lake Van, eastern Anatolia (Turkey). <i>Quaternary Science Reviews</i> , 2014, 104, 30-41.	3.0	125
29	The last climatic cycle at Kopais, central Greece. <i>Journal of the Geological Society</i> , 1999, 156, 425-434.	2.1	117
30	A simple rule to determine which insolation cycles lead to interglacials. <i>Nature</i> , 2017, 542, 427-432.	27.8	108
31	Climate Variability in Northwest Greece During the Last Interglacial. <i>Science</i> , 1999, 285, 1886-1889.	12.6	106
32	Last Interglacial conditions in southern Europe: evidence from Ioannina, northwest Greece. <i>Global and Planetary Change</i> , 2003, 36, 157-170.	3.5	105
33	Climate and vegetation changes 180,000 to 345,000 years ago recorded in a deep-sea core off Portugal. <i>Earth and Planetary Science Letters</i> , 2006, 249, 307-325.	4.4	104
34	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , 2015, 133, 49-64.	3.5	99
35	Towards an understanding of the response of southern European vegetation to orbital and suborbital climate variability. <i>Quaternary Science Reviews</i> , 2005, 24, 1585-1599.	3.0	98
36	Timing and duration of Last Interglacial conditions in Europe: a chronicle of a changing chronology. <i>Quaternary Science Reviews</i> , 2003, 22, 763-768.	3.0	97

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37	Determining the natural length of the current interglacial. <i>Nature Geoscience</i> , 2012, 5, 138-141.	12.9	94
38	Enhanced climate instability in the North Atlantic and southern Europe during the Last Interglacial. <i>Nature Communications</i> , 2018, 9, 4235.	12.8	94
39	Placing late Neanderthals in a climatic context. <i>Nature</i> , 2007, 449, 206-208.	27.8	93
40	Atmospheric methane, southern European vegetation and low-mid latitude links on orbital and millennial timescales. <i>Earth and Planetary Science Letters</i> , 2009, 277, 307-317.	4.4	89
41	Ocean climate variability in the eastern North Atlantic during interglacial marine isotope stage 11: A partial analogue to the Holocene?. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	85
42	Interglacial vegetation succession: A view from southern Europe. <i>Quaternary Science Reviews</i> , 1995, 14, 967-982.	3.0	81
43	European vegetation during Marine Oxygen Isotope Stage-3. <i>Quaternary Research</i> , 2003, 59, 195-212.	1.7	77
44	Large-scale features of Last Interglacial climate: results from evaluating the <i>CCSM</i> simulations for the Coupled Model Intercomparison Project (CMIP6)â€“Paleoclimate Modeling Intercomparison Project (PMIP4). <i>Climate of the Past</i> , 2021, 17, 63-94.	3.4	76
45	Evolution of vegetation and climate variability on the Tibetan Plateau over the past 1.74 million years. <i>Science Advances</i> , 2020, 6, eaay6193.	10.3	74
46	The MIS 11 â€“ MIS 1 analogy, southern European vegetation, atmospheric methane and the "early anthropogenic hypothesis". <i>Climate of the Past</i> , 2010, 6, 131-144.	3.4	73
47	Can we predict the duration of an interglacial?. <i>Climate of the Past</i> , 2012, 8, 1473-1485.	3.4	72
48	The new chronology of the Ceprano calvarium (Italy). <i>Journal of Human Evolution</i> , 2010, 59, 580-585.	2.6	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. <i>Quaternary Science Reviews</i> , 2013, 63, 59-72.	3.0	69
50	Duration and dynamics of the best orbital analogue to the present interglacial. <i>Geology</i> , 2015, 43, 603-606.	4.4	66
51	Land-ocean changes on orbital and millennial time scales and the penultimate glaciation. <i>Geology</i> , 2014, 42, 183-186.	4.4	65
52	The 1.35-Ma-long terrestrial climate archive of Tenaghi Philippon, northeastern Greece: Evolution, exploration, and perspectives for future research. <i>Newsletters on Stratigraphy</i> , 2015, 48, 253-276.	1.2	65
53	Vegetation history of the marine isotope stage 7 interglacial complex at Ioannina, NW Greece. <i>Quaternary Science Reviews</i> , 2008, 27, 1378-1395.	3.0	64
54	Orbital signatures and long-term vegetation patterns in the Mediterranean. <i>Quaternary International</i> , 2000, 73-74, 69-78.	1.5	63

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55	Duration of Last Interglacial Conditions in Northwestern Greece. <i>Quaternary Research</i> , 2002, 58, 53-55.	1.7	61
56	Lateglacial and Holocene vegetation history at Nisi Fen and the Boras mountains, northern Greece. <i>Holocene</i> , 2005, 15, 873-887.	1.7	60
57	Vegetation history of the penultimate glacial period (Marine isotope stage 6) at Ioannina, north-west Greece. <i>Journal of Quaternary Science</i> , 2011, 26, 616-626.	2.1	60
58	The marine isotope stage 1-5 cryptotephra record of Tenaghi Philippon, Greece: Towards a detailed tephrostratigraphic framework for the Eastern Mediterranean region. <i>Quaternary Science Reviews</i> , 2018, 186, 236-262.	3.0	60
59	Enhanced seasonality of precipitation in the Mediterranean during the early part of the Last Interglacial. <i>Geology</i> , 2012, 40, 919-922.	4.4	59
60	Character of vegetational and environmental changes in southern Europe during the last glacial period; evidence from Lesvos Island, Greece. <i>Quaternary Science Reviews</i> , 2009, 28, 1317-1339.	3.0	55
61	The Balkans as Prime Glacial Refugial Territory of European Temperate Trees. , 2004, , 49-68.		47
62	Comment on "Glacial Survival of Boreal Trees in Northern Scandinavia". <i>Science</i> , 2012, 338, 742-742.	12.6	47
63	Terrestrial biosphere changes over the last 120 kyr. <i>Climate of the Past</i> , 2016, 12, 51-73.	3.4	43
64	The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. <i>Scientific Drilling</i> , 0, 16, 13-19.	0.6	41
65	Environmental variability during the Last Interglacial: a new high-resolution pollen record from Tenaghi Philippon, Greece. <i>Journal of Quaternary Science</i> , 2013, 28, 113-117.	2.1	41
66	Biogenic magnetite, detrital hematite, and relative paleointensity in Quaternary sediments from the Southwest Iberian Margin. <i>Earth and Planetary Science Letters</i> , 2013, 376, 99-109.	4.4	40
67	Diatom response to the Last Glacial-Interglacial Transition in the Ioannina basin, northwest Greece: implications for Mediterranean palaeoclimate reconstruction. <i>Quaternary Science Reviews</i> , 2008, 27, 428-440.	3.0	38
68	An ice-climate oscillatory framework for Dansgaard-Oeschger cycles. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 677-693.	29.7	38
69	The ACER pollen and charcoal database: a global resource to document vegetation and fire response to abrupt climate changes during the last glacial period. <i>Earth System Science Data</i> , 2017, 9, 679-695.	9.9	38
70	A revised chronological and palaeoenvironmental framework for the Kastritsa rockshelter, northwest Greece. <i>Antiquity</i> , 2000, 74, 349-355.	1.0	36
71	Extending the tephra and palaeoenvironmental record of the Central Mediterranean back to 430 ka: A new core from Fucino Basin, central Italy. <i>Quaternary Science Reviews</i> , 2019, 225, 106003.	3.0	32
72	Vegetation responses to abrupt climatic changes during the Last Interglacial Complex (Marine Isotope) Tj ETQq0 0 0 rgBT /Overlock 10	3.0	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. <i>Sedimentary Geology</i> , 2002, 148, 79-103.	2.1	28
74	Climate and the pollen record. <i>Nature</i> , 1994, 370, 513-513.	27.8	26
75	The penultimate deglaciation: protocol for Paleoclimate Modelling Intercomparison Project (PMIP) phase 4 transient numerical simulations between 140 and 127 ka, version 1.0. <i>Geoscientific Model Development</i> , 2019, 12, 3649-3685.	3.6	26
76	Museums and cradles of Mediterranean biodiversity. <i>Journal of Biogeography</i> , 2009, 36, 1033-1034.	3.0	24
77	Similar millennial climate variability on the Iberian margin during two early Pleistocene glacials and MIS 3. <i>Paleoceanography</i> , 2016, 31, 203-217.	3.0	24
78	Response to Comment on "Glacial Survival of Boreal Trees in Northern Scandinavia". <i>Science</i> , 2012, 338, 742-742.	12.6	23
79	Hierarchical biostratigraphical classification of long pollen sequences. <i>Journal of Quaternary Science</i> , 1994, 9, 257-259.	2.1	22
80	Diatom-inferred late Pleistocene and Holocene palaeolimnological changes in the Ioannina basin, northwest Greece. <i>Journal of Paleolimnology</i> , 2013, 49, 185-204.	1.6	21
81	Compositional turnover and variation in Eemian pollen sequences in Europe. <i>Vegetation History and Archaeobotany</i> , 2020, 29, 101-109.	2.1	20
82	Frequency and dynamics of millennial-scale variability during Marine Isotope Stage 19: Insights from the Sulmona Basin (central Italy). <i>Quaternary Science Reviews</i> , 2019, 214, 28-43.	3.0	17
83	Magnesium in subaqueous speleothems as a potential palaeotemperature proxy. <i>Nature Communications</i> , 2020, 11, 5027.	12.8	16
84	Drivers of the evolution and amplitude of African Humid Periods. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	15
85	Intra-interglacial cold events: an Eemian-Holocene comparison. <i>Geological Society Special Publication</i> , 1998, 131, 91-99.	1.3	14
86	Response to Comment on "Buffered Tree Population Changes in a Quaternary Refugium: Evolutionary Implications". <i>Science</i> , 2003, 299, 825b-825.	12.6	14
87	Coupled ocean-land millennial-scale changes 1.26 million years ago, recorded at Site U1385 off Portugal. <i>Global and Planetary Change</i> , 2015, 135, 83-88.	3.5	13
88	Reconciling diverse lacustrine and terrestrial system response to penultimate deglacial warming in southern Europe. <i>Geology</i> , 2015, 43, 819-822.	4.4	13
89	New AMS dates from Upper Palaeolithic Kastritsa. <i>Proceedings of the Prehistoric Society, London</i> , 2001, 67, 271-278.	0.7	12
90	The anthropogenic influence on wildfire regimes: charcoal records from the Holocene and Last Interglacial at Ioannina, Greece. <i>Journal of Biogeography</i> , 2013, 40, 2324-2334.	3.0	12

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91	Glacial Inception in Marine Isotope Stage 19: An Orbital Analog for a Natural Holocene Climate. <i>Scientific Reports</i> , 2018, 8, 10213.	3.3	12
92	Challenges and research priorities to understand interactions between climate, ice sheets and global mean sea level during past interglacials. <i>Quaternary Science Reviews</i> , 2019, 219, 308-311.	3.0	12
93	Vegetation variability in Greece during the last interglacial. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2000, 79, 355-367.	0.9	11
94	The upland holocene transitional mires of Elatia forest, northern Greece. <i>Wetlands</i> , 2002, 22, 355-365.	1.5	11
95	The MIS 13 interglacial at Ceprano, Italy, in the context of Middle Pleistocene vegetation changes in southern Europe. <i>Quaternary Science Reviews</i> , 2018, 199, 144-158.	3.0	11
96	Effects of Soils on the Holocene History of Forest Communities, Cape Cod, Massachusetts, U.S.A.. <i>Géographie Physique Et Quaternaire</i> , 1992, 46, 113-124.	0.2	10
97	Fast and slow components of interstadial warming in the North Atlantic during the last glacial. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	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. <i>Quaternary Science Reviews</i> , 2021, 270, 107148.	3.0	9
99	Marine Isotope Stage 11c: An unusual interglacial. <i>Quaternary Science Reviews</i> , 2022, 284, 107493.	3.0	9
100	Interpreting the Tyrrhenocythere (Ostracoda) signal from Palaeolake Kopais, central Greece. <i>Boreas</i> , 2002, 31, 250-259.	2.4	7
101	Persistent millennial-scale climate variability in Southern Europe during Marine Isotope Stage 6. <i>Quaternary Science Advances</i> , 2021, 3, 100016.	1.9	7
102	Abrupt intrinsic and extrinsic responses of southwestern Iberian vegetation to millennial-scale variability over the past 28 ka. <i>Journal of Quaternary Science</i> , 2022, 37, 420-440.	2.1	5
103	24. Fine-tuning the land-ocean correlation for the late middle pleistocene of Southern Europe. <i>Developments in Quaternary Sciences</i> , 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. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 0, , 1-12.	0.3	2