Patricio I Moreno

List of Publications by Year in descending order

92 papers	6,219 citations	71102 41 h-index	69250 77 g-index
94 all docs	94 docs citations	94 times ranked	5355 citing authors

#	Article	IF	Citations
1	Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. Climate Dynamics, 2008, 30, 887-907.	3.8	590
2	Global climate evolution during the last deglaciation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1134-42.	7.1	422
3	Interhemispheric Correlation of Late Pleistocene Glacial Events. Science, 1995, 269, 1541-1549.	12.6	357
4	Past and future global transformation of terrestrial ecosystems under climate change. Science, 2018, 361, 920-923.	12.6	307
5	Interhemispheric Linkage of Paleoclimate During the Last Glaciation. Geografiska Annaler, Series A: Physical Geography, 1999, 81, 107-153.	1.5	233
6	Predictability of biomass burning in response to climate changes. Global Biogeochemical Cycles, 2012, 26, .	4.9	201
7	The Southern Westerlies during the last glacial maximum in PMIP2 simulations. Climate Dynamics, 2009, 32, 525-548.	3.8	169
8	Climatic controls of Holocene fire patterns in southern South America. Quaternary Research, 2007, 68, 28-36.	1.7	160
9	Precise radiocarbon dating of Late-Glacial cooling in mid-latitude South America. Quaternary Research, 2003, 59, 70-78.	1.7	144
10	Geomorphology, Stratigraphy, and Radiocarbon Chronology of LlanquihueDrift in the Area of the Southern Lake District, Seno Reloncavi, and Isla Grande de Chiloe, Chile. Geografiska Annaler, Series A: Physical Geography, 1999, 81, 167-229.	1.5	144
11	Interhemispheric climate links revealed by a late-glacial cooling episode in southern Chile. Nature, 2001, 409, 804-808.	27.8	143
12	Covariability of the Southern Westerlies and atmospheric CO2 during the Holocene. Geology, 2010, 38, 727-730.	4.4	136
13	Have the Southern Westerlies changed in a zonally symmetric manner over the last 14,000 years? A hemisphere-wide take on a controversial problem. Quaternary International, 2012, 253, 32-46.	1.5	136
14	Millennial-scale climate variability in northwest Patagonia over the last 15â€‰000â€‰yr. Journal of Quaternary Science, 2004, 19, 35-47.	2.1	135
15	Millennial-scale variability in Southern Hemisphere westerly wind activity over the last 5000 years in SW Patagonia. Quaternary Science Reviews, 2009, 28, 25-38.	3.0	123
16	Pollen evidence for variations in the southern margin of the westerly winds in SW patagonia over the last 12,600 years. Quaternary Research, 2007, 68, 400-409.	1.7	117
17	Isotopic evidence for hydrologic change related to the westerlies in SW Patagonia, Chile, during the last millennium. Quaternary Science Reviews, 2008, 27, 1335-1349.	3.0	108
18	Abrupt vegetation changes during the last glacial to Holocene transition in mid-latitude South America. Journal of Quaternary Science, 2003, 18, 787-800.	2.1	104

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19	Southern Annular Mode-like changes in southwestern Patagonia at centennial timescales over the last three millennia. Nature Communications, 2014, 5, 4375.	12.8	99
20	Renewed glacial activity during the Antarctic cold reversal and persistence of cold conditions until 11.5 ka in southwestern Patagonia. Geology, 2009, 37, 375-378.	4.4	93
21	Radiocarbon chronology of the last glacial maximum and its termination in northwestern Patagonia. Quaternary Science Reviews, 2015, 122, 233-249.	3.0	90
22	Pollen-based biome reconstructions for Latin America at 0, 6000 and 18 000 radiocarbon years ago. Climate of the Past, 2009, 5, 725-767.	3.4	87
23	Zonally symmetric changes in the strength and position of the Southern Westerlies drove atmospheric CO2 variations over the past 14 k.y.. Geology, 2011, 39, 419-422.	4.4	87
24	Onset and Evolution of Southern Annular Mode-Like Changes at Centennial Timescale. Scientific Reports, 2018, 8, 3458.	3.3	87
25	Combination of humans, climate, and vegetation change triggered Late Quaternary megafauna extinction in the Ãšltima Esperanza region, southern Patagonia, Chile. Ecography, 2016, 39, 125-140.	4.5	84
26	Deglacial changes of the southern margin of the southern westerly winds revealed by terrestrial records from SW Patagonia (52Â°S). Quaternary Science Reviews, 2012, 41, 1-21.	3.0	83
27	Climatic control of the biomass-burning decline in the Americas after <scp>ad</scp> 1500. Holocene, 2013, 23, 3-13.	1.7	83
28	Vegetation and climate near Lago Llanquihue in the Chilean Lake District between 20200 and 950014C yr BP. Journal of Quaternary Science, 1997, 12, 485-500.	2.1	75
29	Fluctuations of the Ãšltima Esperanza ice lobe (52Â°S), Chilean Patagonia, during the last glacial maximum and termination 1. Geomorphology, 2011, 125, 92-108.	2.6	73
30	Deglacial and postglacial climate history in east-central Isla Grande De ChiloÃ©, Southern Chile (43Â°S). Quaternary Research, 2004, 62, 49-59.	1.7	71
31	Deglacial and postglacial vegetation changes on the eastern slopes of the central Patagonian Andes (47Â°S). Quaternary Science Reviews, 2012, 32, 86-99.	3.0	70
32	The deglaciation of the Americas during the Last Glacial Termination. Earth-Science Reviews, 2020, 203, 103113.	9.1	60
33	Changing fire regimes in the temperate rainforest region of southern Chile over the last 16,000 yr. Quaternary Research, 2008, 69, 62-71.	1.7	59
34	Chironomid and pollen evidence for climate fluctuations during the Last Glacial Termination in NW Patagonia. Quaternary Science Reviews, 2009, 28, 517-525.	3.0	53
35	Holocene glacier fluctuations in Patagonia are modulated by summer insolation intensity and paced by Southern Annular Mode-like variability. Quaternary Science Reviews, 2019, 220, 178-187.	3.0	51
36	Climate, Fire, and Vegetation between about 13,000 and 9200 14C yr B.P. in the Chilean Lake District. Quaternary Research, 2000, 54, 81-89.	1.7	50

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37	High particulate iron(II) content in glacially sourced dusts enhances productivity of a model diatom. Science Advances, 2017, 3, e1700314.	10.3	50
38	Vegetation, fire and climate change in central-east Isla Grande de ChiloÃ© (43Â°S) since the Last Glacial Maximum, northwestern Patagonia. Quaternary Science Reviews, 2014, 90, 143-157.	3.0	46
39	A continuous record of vegetation, fire-regime and climatic changes in northwestern Patagonia spanning the last 25,000 years. Quaternary Science Reviews, 2018, 198, 15-36.	3.0	46
40	Trans-pacific glacial response to the Antarctic Cold Reversal in the southern mid-latitudes. Quaternary Science Reviews, 2018, 188, 160-166.	3.0	45
41	Multiple melt bodies fed the AD 2011 eruption of Puyehue-CordÃ³n Caulle, Chile. Scientific Reports, 2015, 5, 17589.	3.3	43
42	Centennial and millennial-scale hydroclimate changes in northwestern Patagonia since 16,000Âyr BP. Quaternary Science Reviews, 2016, 149, 326-337.	3.0	42
43	Glacial dynamics in southernmost South America during Marine Isotope Stage 5e to the Younger Dryas chron: a brief review with a focus on cosmogenic nuclide measurements. Journal of Quaternary Science, 2008, 23, 649-658.	2.1	41
44	Interhemispheric Linkage of Paleoclimate During the Last Glaciation. Geografiska Annaler, Series A: Physical Geography, 1999, 81, 107-153.	1.5	40
45	Climate Change in Southern South America During the Last Two Millennia. Developments in Paleoenvironmental Research, 2009, , 353-393.	8.0	39
46	The large late-glacial Ho eruption of the Hudson volcano, southern Chile. Bulletin of Volcanology, 2014, 76, 1.	3.0	39
47	Quantifying climate change in Huelmo mire (Chile, Northwestern Patagonia) during the Last Glacial Termination using a newly developed chironomid-based temperature model. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 399, 214-224.	2.3	34
48	Vegetation, climate and fire regime changes in the Andean region of southern Chile (38Â°S) covaried with centennial-scale climate anomalies in the tropical Pacific over the last 1500 years. Quaternary Science Reviews, 2012, 46, 46-56.	3.0	32
49	Abrupt Vegetation and Climate Changes During the Last Glacial Maximumand Last Termination in The Chilean Lake District: A Case Study from Canal De La Puntilla (41oS). Geografiska Annaler, Series A: Physical Geography, 1999, 81, 285-311.	1.5	31
50	Atmospheric circulation changes and neoglacial conditions in the Southern Hemisphere mid-latitudes: insights from PMIP2 simulations at 6Âkyr. Climate Dynamics, 2011, 37, 357-375.	3.8	30
51	The last glacial termination on the eastern flank of the central Patagonian Andes (47 Â°â€¯S). Climate of the Past, 2017, 13, 879-895.	3.4	30
52	Tephrochronology of the southernmost Andean Southern Volcanic Zone, Chile. Bulletin of Volcanology, 2015, 77, 1.	3.0	29
53	An 18,000 year-long eruptive record from VolcÃ¡n ChaitÃ©n, northwestern Patagonia: Paleoenvironmental and hazard-assessment implications. Quaternary Science Reviews, 2017, 168, 151-181.	3.0	29
54	The large MIS 4 and long MIS 2 glacier maxima on the southern tip of South America. Quaternary Science Reviews, 2021, 262, 106858.	3.0	27

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55	Climatic and disturbance influences on the temperate rainforests of northwestern Patagonia (40ÂÂ°S) since â¼14,500ÂcalÂyrÂBP. Quaternary Science Reviews, 2014, 90, 217-228.	3.0	26
56	A past-millennium maximum in postglacial activity from VolcÃ¡n ChaitÃ©n, southern Chile. Geology, 2015, 43, 47-50.	4.4	26
57	Geomorphology, Stratigraphy, and Radiocarbon Chronology of LlanquihueDrift in the Area of the Southern Lake District, Seno Reloncavi, and Isla Grande de Chiloe, Chile. Geografiska Annaler, Series A: Physical Geography, 1999, 81, 167-229.	1.5	25
58	Vegetation and climate change, fire-regime shifts and volcanic disturbance in ChiloÃ© Continental (43Â°S) during the last 10,000 years. Quaternary Science Reviews, 2015, 123, 158-167.	3.0	23
59	An early Holocene westerly minimum in the southern mid-latitudes. Quaternary Science Reviews, 2021, 251, 106730.	3.0	23
60	Temperate rainforest response to climate change and disturbance agents in northwestern Patagonia (41Â°S) over the last 2600 years. Quaternary Research, 2012, 77, 235-244.	1.7	22
61	Stratigraphy, age and correlation of LepuÃ© Tephra: a widespread c. 11 000 cal a BP marker horizon sourced from the ChaitÃ©n Sector of southern Chile. Journal of Quaternary Science, 2017, 32, 795-829.	2.1	22
62	Early arboreal colonization, postglacial resilience of deciduous Nothofagus forests, and the Southern Westerly Wind influence in central-east Andean Patagonia. Quaternary Science Reviews, 2019, 218, 61-74.	3.0	21
63	Geohistorical records of the Anthropocene in Chile. Elementa, 2019, 7, .	3.2	21
64	Timing and structure of vegetation, fire, and climate changes on the Pacific slope of northwestern Patagonia since the last glacial termination. Quaternary Science Reviews, 2020, 238, 106328.	3.0	21
65	The last glacial termination in the Coyhaique sector of central Patagonia. Quaternary Science Reviews, 2019, 224, 105976.	3.0	20
66	Pollenâ€“climate reconstruction from northern South Island, New Zealand (41Â°S), reveals varying highâ€• and lowâ€•latitude teleconnections over the last 16 000 years. Journal of Quaternary Science, 2015, 30, 817-829.	2.1	18
67	Holocene tephrochronology around Cochrane (~47Â° S), southern Chile. Andean Geology, 2016, 43, 1.	0.5	17
68	Mid-latitude trans-Pacific reconstructions and comparisons of coupled glacial/interglacial climate cycles based on soil stratigraphy of cover-beds. Quaternary Science Reviews, 2018, 189, 57-75.	3.0	16
69	Genetic diversity and insular colonization of Liolaemus pictus (Squamata, Liolaeminae) in northâ€•western Patagonia. Austral Ecology, 2012, 37, 67-77.	1.5	14
70	Climate change and resilience of deciduous Nothofagus forests in centralâ€“east Chilean Patagonia over the last 3200 years. Journal of Quaternary Science, 2017, 32, 845-856.	2.1	14
71	Modulation of Fire Regimes by Vegetation and Site Type in Southwestern Patagonia Since 13 ka. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	14
72	A 15,400-year long record of vegetation, fire-regime, and climate changes from the northern Patagonian Andes. Quaternary Science Reviews, 2019, 226, 106005.	3.0	12

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73	A widespread compositionally bimodal tephra sourced from VolcÃ¡n Melimoyu (44Â°S, Northern) Tj ETQq1 1 0.784314 rgBT /Overloc correlation. Quaternary Science Reviews, 2018, 200, 141-159.	3.0	11
74	The role of climate and disturbance regimes upon temperate rainforests during the Holocene: A stratigraphic perspective from Lago FonkÂ(â¯40Â°S), northwestern Patagonia. Quaternary Science Reviews, 2021, 258, 106890.	3.0	10
75	Vegetation, disturbance, and climate history since the onset of ice-free conditions in the Lago Rosselot sector of ChiloÃ© continental (44Â°S), northwestern Patagonia. Quaternary Science Reviews, 2021, 260, 106924.	3.0	9
76	Development and resilience of deciduous Nothofagus forests since the Last Glacial Termination and deglaciation of the central Patagonian Andes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 574, 110459.	2.3	9
77	Glacier fluctuations in the northern Patagonian Andes (44Â°S) imply wind-modulated interhemispheric in-phase climate shifts during Termination 1. Scientific Reports, 2022, 12, .	3.3	9
78	Modelled glacier equilibrium line altitudes during the mid-Holocene in the southern mid-latitudes. Climate of the Past, 2015, 11, 1575-1586.	3.4	8
79	Comparative phylogeography of two co-distributed species of lizards of the genus Liolaemus (Squamata: Tropiduridae) from SouthernÂChile. Amphibia - Reptilia, 2012, 33, 55-67.	0.5	7
80	The last glacial termination in northwestern Patagonia viewed from the Lago Fonk (â¯40Â°S) record. Quaternary Science Reviews, 2021, 271, 107197.	3.0	7
81	Centennial and millennialâ€scale dynamics in Araucariaâ€“Nothofagus forests in the southern Andes. Journal of Biogeography, 2021, 48, 537-547.	3.0	6
82	Climate, vegetation and glacier fluctuations in Chile, between 40Â°30â€² and 42Â°30â€²s latitude â€” A short review of preliminary results. Quaternary International, 1995, 28, 199-201.	1.5	5
83	Phylogeography of a Patagonian lizard and frog: Congruent signature of southern glacial refuges. Austral Ecology, 2016, 41, 399-408.	1.5	5
84	Refinement of the tephrostratigraphy straddling the northern Patagonian Andes (40â€“41Â°S): new tephra markers, reconciling different archives and ascertaining the timing of piedmont deglaciation. Journal of Quaternary Science, 2022, 37, 441-477.	2.1	5
85	Western Patagonia: A Key Area for Understanding Quaternary Paleoclimate at Southern Mid-Latitudes. Series of the Centro De Estudios CientÃficos De Santiago, 2002, , 43-54.	0.2	3
86	New araphid species of the genusPseudostaurosira(Bacillariophyceae) from southern Patagonia. European Journal of Phycology, 2021, 56, 255-272.	2.0	3
87	EvoluciÃ³n de lagos proglaciales embalsados por hielo en Ãšltima Esperanza, Chile: Implicancias de la explosiÃ³n volcÃ¡nica tardiglacial R1 del volcÃ¡n ReclÃºs, Zona VolcÃ¡nica Austral Andina.. Andean Geology, 2011, 38, .	0.5	3
88	Evolution of Glacial Lake Cochrane During the Last Glacial Termination, Central Chilean Patagonia (â¯47Â°S). Frontiers in Earth Science, 2022, 10, .	1.8	2
89	Effects of Feedback and Reinforcement in Tachistoscopic Training on a Fault-Detection Task. Perceptual and Motor Skills, 1980, 51, 987-993.	1.3	1
90	Corrigendum to â€œHave the Southern Westerlies changed in a zonally symmetric manner over the last 14,000 years? A hemisphere-wide take on a controversial problemâ€•[Quat. Int. 253 (2012) 32â€“46]. Quaternary International, 2012, 276-277, 299.	1.5	1

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91	Vegetation and climate near Lago Llanquihue in the Chilean Lake District between 20200 and 9500 14C yr BP. Journal of Quaternary Science, 1997, 12, 485-500.	2.1	1
92	Glacial geomorphology of the central and southern Chilotan Archipelago (42.2Â°Sâ€“43.5Â°S), northwestern Patagonia. Journal of Maps, 0, , 1-17.	2.0	1