Ricardo Villalba

List of Publications by Citations

217 papers	9,373 citations	49 h-index	89 g-index
233 ext. papers	10,747 ext. citations	4 avg, IF	6.43 L-index

#	Paper	IF	Citations
217	Continental-scale temperature variability during the past two millennia. *Nature Geoscience*, **2013**, 6, 339-346	12.9	787
216	High-resolution palaeoclimatology of the last millennium: a review of current status and future prospects. *Holocene*, **2009**, 19, 3-49	2.6	499
215	A synthesis of radial growth patterns preceding tree mortality. *Global Change Biology*, **2017**, 23, 1675-1690	9.4	277
214	Disturbance Regime and Disturbance Interactions in a Rocky Mountain Subalpine Forest. *Journal of Ecology*, **1994**, 82, 125	6	269
213	Tree-ring estimates of Pacific decadal climate variability. *Climate Dynamics*, **2001**, 18, 219-224	4.2	223
212	A 3620-Year Temperature Record from Fitzroya cupressoides Tree Rings in Southern South America. *Science*, **1993**, 260, 1104-6	33.3	218
211	FIRE HISTORY IN NORTHERN PATAGONIA: THE ROLES OF HUMANS AND CLIMATIC VARIATION. *Ecological Monographs*, **1999**, 69, 47-67	9	196
210	Inter-hemispheric temperature variability over the past millennium. *Nature Climate Change*, **2014**, 4, 362-367	13.4	181
209	Large-Scale Temperature Changes across the Southern Andes: 20th-Century Variations in the Context of the Past 400 Years. *Climatic Change*, **2003**, 59, 177-232	4.5	176
208	Unusual Southern Hemisphere tree growth patterns induced by changes in the Southern Annular Mode. *Nature Geoscience*, **2012**, 5, 793-798	18.3	172
207	Snowpack Variations in the Central Andes of Argentina and Chile, 1951–2005: Large-Scale Atmospheric Influences and Implications for Water Resources in the Region. *Journal of Climate*, **2006**, 19, 6334-6352	4.4	172
206	Climatic Fluctuations in Northern Patagonia during the Last 1000 Years as Inferred from Tree-Ring Records. *Quaternary Research*, **1990**, 34, 346-360	1.9	163
205	Glacier fluctuations in extratropical South America during the past 1000 years. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2009**, 281, 242-268	2.9	158
204	Tree-ring and glacial evidence for the medieval warm epoch and the little ice age in southern South America. *Climatic Change*, **1994**, 26, 183-197	4.5	151
203	Climatic influences on fire regimes along a rain forest-to-xeric woodland gradient in northern Patagonia, Argentina. *Journal of Biogeography*, **1997**, 24, 35-47	4.1	149
202	20th-century glacier recession and regional hydroclimatic changes in northwestern Patagonia. *Global and Planetary Change*, **2008**, 60, 85-100	4.2	129
201	INFLUENCES OF LARGE-SCALE CLIMATIC VARIABILITY ON EPISODIC TREE MORTALITY IN NORTHERN PATAGONIA. *Ecology*, **1998**, 79, 2624-2640	4.6	121

200	Regional Patterns of Tree Population Age Structures in Northern Patagonia: Climatic and Disturbance Influences. *Journal of Ecology*, **1997**, 85, 113	6	111
199	RECENT TRENDS IN TREE-RING RECORDS FROM HIGH ELEVATION SITES IN THE ANDES OF NORTHERN PATAGONIA. *Climatic Change*, **1997**, 36, 425-454	4.5	109
198	Multiproxy summer and winter surface air temperature field reconstructions for southern South America covering the past centuries. *Climate Dynamics*, **2011**, 37, 35-51	4.2	108
197	Climatic Influences on the Growth of Subalpine Trees in the Colorado Front Range. *Ecology*, **1994**, 75, 1450-1462	4.6	104
196	Low growth resilience to drought is related to future mortality risk in trees. *Nature Communications* , **2020**, 11, 545	17.4	103
195	Dendroclimatological reconstructions in South America: A review. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2009**, 281, 210-228	2.9	101
194	A 400-year tree-ring record of the Puelo River summer–fall streamflow in the Valdivian Rainforest eco-region, Chile. *Climatic Change*, **2008**, 86, 331-356	4.5	101
193	Climate in the Monte Desert: Past trends, present conditions, and future projections. *Journal of Arid Environments*, **2009**, 73, 154-163	2.5	97
192	Spatial and temporal variation in Nothofagus pumilio growth at tree line along its latitudinal range (35°40?–55° S) in the Chilean Andes. *Journal of Biogeography*, **2005**, 32, 879-893	4.1	88
191	Improving estimates of total tree ages based on increment core samples. *Ecoscience*, **1997**, 4, 534-542	1.1	87
190	Century-scale solar variability and Alaskan temperature change over the past millennium. *Geophysical Research Letters*, **2004**, 31,	4.9	87
189	Precipitation changes in the South American Altiplano since 1300 AD reconstructed by tree-rings. *Climate of the Past*, **2012**, 8, 653-666	3.9	86
188	RAINFALL-CONTROLLED TREE GROWTH IN HIGH-ELEVATION SUBTROPICAL TREELINES. *Ecology*, **2004**, 85, 3080-3089	4.6	86
187	Multi-centennial summer and winter precipitation variability in southern South America. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	85
186	Support for tropically-driven pacific decadal variability based on paleoproxy evidence. *Geophysical Research Letters*, **2001**, 28, 3689-3692	4.9	82
185	Climate, Tree-Ring, and Glacial Fluctuations in the Rio Frias Valley, Rio Negro, Argentina. *Arctic and Alpine Research*, **1990**, 22, 215		78
184	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. *Frontiers in Plant Science*, **2018**, 9, 1964	6.2	77
183	Sea-level pressure variability around Antarctica since A.D. 1750 inferred from subantarctic tree-ring records. *Climate Dynamics*, **1997**, 13, 375-390	4.2	74

182	Tree-ring based reconstructions of northern Patagonia precipitation since AD 1600. *Holocene*, **1998**, 8, 659-674	2.6	72
181	Aridity changes in the Temperate-Mediterranean transition of the Andes since ad 1346 reconstructed from tree-rings. *Climate Dynamics*, **2011**, 36, 1505-1521	4.2	71
180	Tropical North Pacific Climate Linkages over the Past Four Centuries*. *Journal of Climate*, **2005**, 18, 5253-5265	4.4	71
179	Ranking of tree-ring based temperature reconstructions of the past millennium. *Quaternary Science Reviews*, **2016**, 145, 134-151	3.9	66
178	Paleoclimate reconstruction along the Pole-Equator-Pole transect of the Americas (PEP 1). *Quaternary Science Reviews*, **2000**, 19, 125-140	3.9	65
177	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. *Nature Communications*, **2018**, 9, 3605	17.4	64
176	Tree-ring evidence for long-term precipitation changes in subtropical South America. *International Journal of Climatology*, **1998**, 18, 1463-1478	3.5	62
175	Intra- to Multidecadal Variations of Snowpack and Streamflow Records in the Andes of Chile and Argentina between 30° and 37°S. *Journal of Hydrometeorology*, **2010**, 11, 822-831	3.7	56
174	Climatic significance of intra-annual bands in the wood of Nothofagus pumilio in southern Patagonia. *Trees - Structure and Function*, **2004**, 18, 696-704	2.6	53
173	Six hundred years of South American tree rings reveal an increase in severe hydroclimatic events since mid-20th century. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 16816-16823	11.5	51
172	Scientific Merits and Analytical Challenges of Tree-Ring Densitometry. *Reviews of Geophysics*, **2019**, 57, 1224-1264	23.1	50
171	Spatiotemporal analysis of channel wall erosion in ephemeral torrents using tree roots: An example from the Patagonian Andes. *Geology*, **2012**, 40, 247-250	5	49
170	Dendroclimatology of high-elevation Nothofagus pumilio forests at their northern distribution limit in the central Andes of Chile. *Canadian Journal of Forest Research*, **2001**, 31, 925-936	1.9	49
169	Tectonic influences on tree growth in northern Patagonia, Argentina: the roles of substrate stability and climatic variation. *Canadian Journal of Forest Research*, **1995**, 25, 1684-1696	1.9	48
168	Multicentury tree ring reconstruction of annual streamflow for the Maule River watershed in south central Chile. *Water Resources Research*, **2011**, 47,	5.4	47
167	Little Ice Age fluctuations of small glaciers in the Monte Fitz Roy and Lago del Desierto areas, south Patagonian Andes, Argentina. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2009**, 281, 351-362	2.9	45
166	El Niño-Southern Oscillation signal in the world's highest-elevation tree-ring chronologies from the Altiplano, Central Andes. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2009**, 281, 309-319	2.9	45
165	Assessing the Synchroneity of Glacier Fluctuations in the Western Cordillera of the Americas During the Last Millennium **2001**, 119-140		44

164	An Evaluation of Dendroecological Indicators of Snow Avalanches in the Swiss Alps. *Arctic, Antarctic, and Alpine Research*, **2007**, 39, 218-228	1.8	43
163	Forest carbon sink neutralized by pervasive growth-lifespan trade-offs. *Nature Communications*, **2020**, 11, 4241	17.4	43
162	Spatiotemporal Pattern of Primary Succession in Relation to Meso-topographic Gradients on Recently Deglaciated Terrains in the Patagonian Andes. *Arctic, Antarctic, and Alpine Research*, **2011**, 43, 555-567	1.8	41
161	Dendroclimatology of high-elevation Nothofagus pumilio forests at their northern distribution limit in the central Andes of Chile. *Canadian Journal of Forest Research*, **2001**, 31, 925-936	1.9	41
160	Streamflow variability in the Chilean Temperate-Mediterranean climate transition (35°S–42°S) during the last 400 years inferred from tree-ring records. *Climate Dynamics*, **2016**, 47, 4051-4066	4.2	41
159	Validating numerical simulations of snow avalanches using dendrochronology: the Cerro Ventana event in Northern Patagonia, Argentina. *Natural Hazards and Earth System Sciences*, **2008**, 8, 433-443	3.9	40
158	Tree-ring growth patterns and temperature reconstruction from Nothofagus pumilio (Fagaceae) forests at the upper tree line of southern Chilean Patagonia. *Revista Chilena De Historia Natural*, **2002**, 75, 361	1.8	40
157	Spatio-temporal variations in Polylepis tarapacana radial growth across the Bolivian Altiplano during the 20th century. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2009**, 281, 296-308	2.9	39
156	Reconstructing the annual mass balance of the Echaurren Norte glacier (Central Andes, 33.5° S) using local and regional hydroclimatic data. *Cryosphere*, **2016**, 10, 927-940	5.5	39
155	Fire history in the Araucaria araucana forests of Argentina: human and climate influences. *International Journal of Wildland Fire*, **2013**, 22, 194	3.2	38
154	Climate Influences on the Radial Growth of Centrolobium microchaete, a Valuable Timber Species from the Tropical Dry Forests in Bolivia. *Biotropica*, **2011**, 43, 41-49	2.3	38
153	Regional Differences in South American Monsoon Precipitation Inferred from the Growth and Isotopic Composition of Tropical Trees*. *Earth Interactions*, **2011**, 15, 1-35	1.5	38
152	Teleconnection stationarity, variability and trends of the Southern Annular Mode (SAM) during the last millennium. *Climate Dynamics*, **2018**, 51, 2321-2339	4.2	38
151	Patterns and drivers of Araucaria araucana forest growth along a biophysical gradient in the northern Patagonian Andes: Linking tree rings with satellite observations of soil moisture. *Austral Ecology*, **2014**, 39, 158-169	1.5	37
150	Tree-ring records from New Zealand: long-term context for recent warming trend. *Climate Dynamics*, **1998**, 14, 191-199	4.2	37
149	Precipitation variability and landslide occurrence in a subtropical mountain ecosystem of NW Argentina. *Dendrochronologia*, **2005**, 22, 175-180	2.8	37
148	Spatio-Temporal Patterns of the 2010–2015 Extreme Hydrological Drought across the Central Andes, Argentina. *Water (Switzerland)*, **2017**, 9, 652	3	36
147	Austrocedrus chilensis growth decline in relation to drought events in northern Patagonia, Argentina. *Trees - Structure and Function*, **2010**, 24, 561-570	2.6	36

146	Contrasting Climates at Both Sides of the Andes in Argentina and Chile. *Frontiers in Environmental Science*, **2019**, 7,	4.8	35
145	Araucaria araucana tree-ring chronologies in Argentina: spatial growth variations and climate influences. *Trees - Structure and Function*, **2012**, 26, 443-458	2.6	35
144	Spatial and temporal variation in Austrocedrus growth along the forest?steppe ecotone in northern Patagonia. *Canadian Journal of Forest Research*, **1997**, 27, 580-597	1.9	35
143	Reconstructing temporal patterns of snow avalanches at Lago del Desierto,southern Patagonian Andes. *Cold Regions Science and Technology*, **2011**, 67, 68-78	3.8	34
142	Spatial and temporal variation in Austrocedrus growth along the forest□steppe ecotone in northern Patagonia. *Canadian Journal of Forest Research*, **1997**, 27, 580-597	1.9	34
141	Temporal changes in climatic limitation of tree-growth at upper treeline forests: Contrasted responses along the west-to-east humidity gradient in Northern Patagonia. *Dendrochronologia*, **2015**, 36, 49-59	2.8	33
140	Vegetation Development on Deglaciated Rock Outcrops from Glaciar Fr□s, Argentina. *Arctic, Antarctic, and Alpine Research*, **2011**, 43, 35-45	1.8	33
139	Multi-century tree-ring based reconstruction of the Neuqu□ River streamflow, northern Patagonia, Argentina. *Climate of the Past*, **2012**, 8, 815-829	3.9	32
138	Little Ice Age fluctuations of Glaciar R□ Manso in the North Patagonian Andes of Argentina. *Quaternary Research*, **2010**, 73, 96-106	1.9	32
137	Spatial Patterns of Climate and Tree Growth Variations in Subtropical Northwestern Argentina. *Journal of Biogeography*, **1992**, 19, 631	4.1	32
136	Tree-ring based reconstruction of R□ Bermejo streamflow in subtropical South America. *Journal of Hydrology*, **2015**, 525, 572-584	6	30
135	Climate Change in Southern South America During the Last Two Millennia. *Developments in Paleoenvironmental Research*, **2009**, 353-393		30
134	Studies on Tree Rings, Growth Rates and Age-Size Relationships of Tropical Tree Species in Misiones, Argentina. *IAWA Journal*, **1989**, 10, 161-169	2.3	30
133	Influence of droughts on Nothofagus pumilio forest decline across northern Patagonia, Argentina. *Ecosphere*, **2016**, 7, e01390	3.1	29
132	First Glacier Inventory and Recent Changes in Glacier Area in the Monte San Lorenzo Region (47°S), Southern Patagonian Andes, South America. *Arctic, Antarctic, and Alpine Research*, **2013**, 45, 19-28	1.8	29
131	Snowpack variations since AD 1150 in the Andes of Chile and Argentina (30°□37°S) inferred from rainfall, tree-ring and documentary records. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		29
130	Decadal-Scale Climatic Variability Along the Extratropical Western Coast of the Americas **2001**, 155-172		29
129	North Pacific sea surface temperatures: Past variations inferred from tree rings. *Geophysical Research Letters*, **1999**, 26, 2757-2760	4.9	29

128	Isotopic evidence on human bone for declining maize consumption during the little ice age in central western Argentina. *Journal of Archaeological Science*, **2014**, 49, 213-227	2.9	28
127	Large-Scale Temperature Changes Across the Southern Andes: 20th-Century Variations in the Context of the Past 400 Years. *Advances in Global Change Research*, **2003**, 177-232	1.2	28
126	Spatiotemporal Variations in Hydroclimate across the Mediterranean Andes (30°–37°S) since the Early Twentieth Century. *Journal of Hydrometeorology*, **2017**, 18, 1929-1942	3.7	27
125	Long-term trends in radial growth associated with Nothofagus pumilio forest decline in Patagonia: Integrating local- into regional-scale patterns. *Forest Ecology and Management*, **2015**, 339, 44-56	3.9	27
124	Ranking of tree-ring based hydroclimate reconstructions of the past millennium. *Quaternary Science Reviews*, **2020**, 230, 106074	3.9	26
123	New precipitation and temperature grids for northern Patagonia: Advances in relation to global climate grids. *Journal of Meteorological Research*, **2016**, 30, 38-52	2.3	26
122	Improvement of isotope-based climate reconstructions in Patagonia through a better understanding of climate influences on isotopic fractionation in tree rings. *Earth and Planetary Science Letters*, **2017**, 459, 372-380	5.3	25
121	First surface velocity maps for glaciers of Monte Tronador, North Patagonian Andes, derived from sequential Pléiades satellite images. *Journal of Glaciology*, **2015**, 61, 908-922	3.4	25
120	Regional aspects of streamflow droughts in the Andean rivers of Patagonia, Argentina. Links with large-scale climatic oscillations **2018**, 49, 134-149		24
119	Wood productivity of Prosopis flexuosa D.C. woodlands in the central Monte: Influence of population structure and tree-growth habit. *Journal of Arid Environments*, **2011**, 75, 7-13	2.5	24
118	An extended network of documentary data from South America and its potential for quantitative precipitation reconstructions back to the 16th century. *Geophysical Research Letters*, **2009**, 36,	4.9	24
117	Dendroecology of Prosopis flexuosa woodlands in the Monte desert: Implications for their management. *Dendrochronologia*, **2005**, 22, 209-213	2.8	24
116	Observed and Projected Hydroclimate Changes in the Andes. *Frontiers in Earth Science*, **2020**, 8,	3.5	23
115	Cumulative diameter growth and biological rotation age for seven tree species in the Cerrado biogeographical province of Bolivia. *Forest Ecology and Management*, **2013**, 292, 49-55	3.9	23
114	Tree ring reconstructed rainfall over the southern Amazon Basin. *Geophysical Research Letters*, **2017**, 44, 7410-7418	4.9	22
113	Above- and below-ground response by Nothofagus pumilio to climatic conditions at the transition from the steppe–forest boundary to the alpine treeline in southern Patagonia, Argentina. *Plant Ecology and Diversity*, **2008**, 1, 21-33	2.2	22
112	Influencias de las variaciones en el clima y en la concentración de C0(2) sobre el crecimiento de Nothofagus pumilio en la Patagonia. *Revista Chilena De Historia Natural*, **2008**, 81,	1.8	22
111	Structure and growth rate of Prosopis flexuosa woodlands in two contrasting environments of the central Monte desert. *Journal of Arid Environments*, **2005**, 60, 187-199	2.5	22

110	Multi-century lake area changes in the Southern Altiplano: a tree-ring-based reconstruction. *Climate of the Past*, **2015**, 11, 1139-1152	3.9	21
109	Globality and Optimality in Climate Field Reconstructions from Proxy Data **2001**, 53-XV		21
108	Does drought incite tree decline and death in Austrocedrus chilensis forests?. *Journal of Vegetation Science*, **2015**, 26, 1171-1183	3.1	20
107	The role of larch budmoth (Zeiraphera diniana Gn.) on forest succession in a larch (Larix decidua Mill.) and Swiss stone pine (Pinus cembra L.) stand in the Susa Valley (Piedmont, Italy). *Trees - Structure and Function*, **2006**, 20, 371-382	2.6	20
106	Streamflow variations across the Andes (18°-55°S) during the instrumental era. *Scientific Reports*, **2019**, 9, 17879	4.9	20
105	Dendrochronological Studies on Prosopis Flexuosa DC.. *IAWA Journal*, **1989**, 10, 155-160	2.3	19
104	Sensitivity of Nothofagus dombeyi tree growth to climate changes along a precipitation gradient in northern Patagonia, Argentina. *Trees - Structure and Function*, **2015**, 29, 1053-1067	2.6	18
103	Potential of Schinopsis lorentzii for dendrochronological studies in subtropical dry Chaco forests of South America. *Trees - Structure and Function*, **2009**, 23, 1275-1284	2.6	18
102	Radial growth and biological rotation age of Prosopis caldenia Burkart in Central Argentina. *Journal of Arid Environments*, **2008**, 72, 16-23	2.5	18
101	Climate, site conditions, and tree growth in subtropical northwestern Argentina. *Canadian Journal of Forest Research*, **1987**, 17, 1527-1539	1.9	18
100	Interdecadal climatic variations in millennial temperature reconstructions from southern South America **1996**, 161-189		18
99	Annual growth rings of the shrub Anarthrophyllum rigidum across Patagonia: Interannual variations and relationships with climate. *Journal of Arid Environments*, **2009**, 73, 1074-1083	2.5	17
98	Tree rings as a surrogate for economic stress an example from the Puna of Jujuy, Argentina in the 19th century. *Dendrochronologia*, **2005**, 22, 141-147	2.8	17
97	Fire history in southern Patagonia: human and climate influences on fire activity in Nothofagus pumilio forests. *Ecosphere*, **2017**, 8, e01932	3.1	16
96	Modelling tree ring cellulose <i></i>¹⁸O variations in two temperature-sensitive tree species from North and South America. *Climate of the Past*, **2017**, 13, 1515-1526	3.9	16
95	Past Summer Temperatures Inferred From Dendrochronological Records of Fitzroya cupressoides on the Eastern Slope of the Northern Patagonian Andes. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 32-45	3.7	16
94	Are the oxygen isotopic compositions of Fitzroya cupressoides and Nothofagus pumilio cellulose promising proxies for climate reconstructions in northern Patagonia?. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 767-776	3.7	16
93	Potencialidad de Prosopis ferox Griseb (Leguminosae, subfamilia: Mimosoideae) para estudios dendrocronológicos en desiertos subtropicales de alta montaña. *Revista Chilena De Historia Natural* , **2001**, 74,	1.8	16

92	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		15
91	Tree-Ring and Glacial Evidence for the Medieval Warm Epoch and the Little Ice Age in Southern South America **1994**, 183-197		15
90	Tree-growth responses across environmental gradients in subtropical Argentinean forests. *Plant Ecology*, **2013**, 214, 1321-1334	1.7	14
89	Determining the annual periodicity of growth rings in seven tree species of a tropical moist forest in Santa Cruz, Bolivia. *Forest Systems*, **2012**, 21, 508	0.9	14
88	Dendrogeomorphic reconstruction of flash floods in the Patagonian Andes. *Geomorphology*, **2015**, 228, 116-123	4.3	13
87	Interannual variations in primary and secondary growth of Nothofagus pumilio and their relationships with climate. *Trees - Structure and Function*, **2014**, 28, 1463-1471	2.6	13
86	Biogeographical Consequences of Recent Climate Changes in the Southern Andes of Argentina. *Advances in Global Change Research*, **2005**, 157-166	1.2	13
85	Xylem Structure and Cambial Activity in Prosopis Flexuosa DC.. *IAWA Journal*, **1985**, 6, 119-130	2.3	13
84	Tree-ring evidence for tropical-extratropical influences on climate variability along the Andes in South America. *PAGES News*, **2007**, 15, 23-25		13
83	Climatic and volcanic forcing of tropical belt northern boundary over the past 800 years. *Nature Geoscience*, **2018**, 11, 933-938	18.3	13
82	Inventory and recent changes of small glaciers on the northeast margin of the Southern Patagonia Icefield, Argentina. *Journal of Glaciology*, **2015**, 61, 511-523	3.4	12
81	An assessment of growth ring identification in subtropical forests from northwestern Argentina. *Dendrochronologia*, **2014**, 32, 113-119	2.8	12
80	Lichenometric dating using Rhizocarpon subgenus Rhizocarpon in the Patagonian Andes, Argentina. *Quaternary Research*, **2009**, 71, 271-283	1.9	12
79	The potential use of tree-rings to reconstruct streamflow and estuarine salinity in the Valdivian Rainforest eco-region, Chile. *Dendrochronologia*, **2005**, 22, 155-161	2.8	12
78	+A 5680-year tree-ring temperature record for southern South America. *Quaternary Science Reviews*, **2020**, 228, 106087	3.9	12
77	Convergence in growth responses of tropical trees to climate driven by water stress. *Ecography*, **2019**, 42, 1899-1912	6.5	11
76	Recent and Historic Andean Snowpack and Streamflow Variations and Vulnerability to Water Shortages in Central-Western Argentina **2013**, 213-227		11
75	First dendroarchaeological dates of prehistoric contexts in South America: chullpas in the Central Andes. *Journal of Archaeological Science*, **2013**, 40, 2393-2401	2.9	11

74	Spatial distribution and characteristics of Andean ice masses in Argentina: results from the first National Glacier Inventory. *Journal of Glaciology*, **2020**, 66, 938-949	3.4	11
73	NDVI Spatio-temporal Patterns and Climatic Controls Over Northern Patagonia. *Ecosystems*, **2020**, 23, 84-97	3.9	11
72	A comparison of some simple methods used to detect unstable temperature responses in tree-ring chronologies. *Dendrochronologia*, **2018**, 48, 52-73	2.8	10
71	A regional water balance indicator inferred from satellite images of an Andean endorheic basin in central-western Argentina. *Hydrological Sciences Journal*, **2017**, 62, 533-545	3.5	10
70	Documentary and tree-ring evidence for a long-term interval without ice impoundments from Glaciar Perito Moreno, Patagonia, Argentina. *Holocene*, **2014**, 24, 1686-1693	2.6	10
69	Radial Growth Patterns Associated with Tree Mortality in Nothofagus pumilio Forest. *Forests*, **2019**, 10, 489	2.8	9
68	Interannual and Long-Term Precipitation Variability Along the Subtropical Mountains and Adjacent Chaco (22–29° S) in Argentina. *Frontiers in Earth Science*, **2019**, 7,	3.5	9
67	Climate and Nothofagus pumilio Establishment at Upper Treelines in the Patagonian Andes. *Frontiers in Earth Science*, **2018**, 6,	3.5	9
66	Variability in the annual cycle of the Río Atuel streamflows and its relationship with tropospheric circulation. *International Journal of Climatology*, **2015**, 35, 2948-2967	3.5	9
65	Factors controlling deadwood availability and branch decay in two Prosopis woodlands in the Central Monte, Argentina. *Forest Ecology and Management*, **2011**, 262, 637-645	3.9	9
64	Variations in Anarthrophyllum rigidum radial growth, NDVI and ecosystem productivity in the Patagonian shrubby steppes. *Plant Ecology*, **2011**, 212, 1841-1854	1.7	9
63	Establishment of Nothofagus pumilio at Upper Treelines Across a Precipitation Gradient in the Northern Patagonian Andes. *Arctic, Antarctic, and Alpine Research*, **2016**, 48, 755-766	1.8	9
62	An assessment of Schinopsis brasiliensis Engler (Anacardiacea) for dendroclimatological applications in the tropical Cerrado and Chaco forests, Bolivia. *Dendrochronologia*, **2016**, 40, 85-92	2.8	9
61	Six Decades (1958–2018) of Geodetic Glacier Mass Balance in Monte San Lorenzo, Patagonian Andes. *Frontiers in Earth Science*, **2019**, 7,	3.5	9
60	Ionic and stable isotope chemistry as indicators of water sources to the Upper Mendoza River basin, Central Andes of Argentina. *Hydrological Sciences Journal*, **2017**, 62, 588-605	3.5	8
59	Effect of volcanic ash deposition on length and radial growths of a deciduous montane tree (Nothofagus pumilio). *Austral Ecology*, **2017**, 42, 103-112	1.5	8
58	Fluctuations of Glaciar Esperanza Norte in the north Patagonian Andes of Argentina during the past 400 yr. *Climate of the Past*, **2012**, 8, 1079-1090	3.9	8
57	Climate, land-use and Prosopis ferox recruitment in the Quebrada de Humahuaca, Jujuy, Argentina. *Dendrochronologia*, **2005**, 22, 169-174	2.8	8

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