

Thomas Kitzberger

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123
papers

10,862
citations

43
h-index

104
g-index

124
ext. papers

12,690
ext. citations

4.5
avg, IF

5.95
L-index

#	Paper	IF	Citations
123	A global overview of drought and heat-induced tree mortality reveals emerging climate change risks for forests. <i>Forest Ecology and Management</i> , 2010 , 259, 660-684	3.9	4344
122	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
121	CLIMATIC AND HUMAN INFLUENCES ON FIRE REGIMES IN PONDEROSA PINE FORESTS IN THE COLORADO FRONT RANGE 2000 , 10, 1178-1195		284
120	A synthesis of radial growth patterns preceding tree mortality. <i>Global Change Biology</i> , 2017 , 23, 1675-1690	10.4	277
119	Disturbance Regime and Disturbance Interactions in a Rocky Mountain Subalpine Forest. <i>Journal of Ecology</i> , 1994 , 82, 125	6	269
118	Contingent Pacific-Atlantic Ocean influence on multicentury wildfire synchrony over western North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 543-548	11.5	252
117	Factors predisposing episodic drought-induced tree mortality in <i>Nothofagus</i> forests: climatic sensitivity and growth trends. <i>Journal of Ecology</i> , 2004 , 92, 954-966	6	231
116	Tree mortality across biomes is promoted by drought intensity, lower wood density and higher specific leaf area. <i>Ecology Letters</i> , 2017 , 20, 539-553	10	199
115	FIRE HISTORY IN NORTHERN PATAGONIA: THE ROLES OF HUMANS AND CLIMATIC VARIATION. <i>Ecological Monographs</i> , 1999 , 69, 47-67	9	196
114	EFFECTS OF CLIMATIC VARIABILITY ON FACILITATION OF TREE ESTABLISHMENT IN NORTHERN PATAGONIA. <i>Ecology</i> , 2000 , 81, 1914-1924	4.6	180
113	LANDSCAPE INFLUENCES ON OCCURRENCE AND SPREAD OF WILDFIRES IN PATAGONIAN FORESTS AND SHRUBLANDS. <i>Ecology</i> , 2005 , 86, 2705-2715	4.6	170
112	Cost-effectiveness of dryland forest restoration evaluated by spatial analysis of ecosystem services. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21925-21930	11.5	168
111	Disturbance and forest dynamics along a transect from Andean rain forest to Patagonian shrubland. <i>Journal of Vegetation Science</i> , 1992 , 3, 507-520	3.1	163
110	Climatic influences on fire regimes along a rain forest-to-xeric woodland gradient in northern Patagonia, Argentina. <i>Journal of Biogeography</i> , 1997 , 24, 35-47	4.1	149
109	Structural overshoot of tree growth with climate variability and the global spectrum of drought-induced forest dieback. <i>Global Change Biology</i> , 2017 , 23, 3742-3757	11.4	147
108	Inter-hemispheric synchrony of forest fires and the El Niño-Southern Oscillation. <i>Global Ecology and Biogeography</i> , 2001 , 10, 315-326	6.1	132
107	Isozyme variation and recent biogeographical history of the long-lived conifer <i>Fitzroya cupressoides</i> . <i>Journal of Biogeography</i> , 2000 , 27, 251-260	4.1	124

106	Low growth resilience to drought is related to future mortality risk in trees. <i>Nature Communications</i> , 2020 , 11, 545	17.4	103
105	Patterns and drivers of recent disturbances across the temperate forest biome. <i>Nature Communications</i> , 2018 , 9, 4355	17.4	102
104	Recruitment patterns following a severe drought: long-term compositional shifts in Patagonian forests. <i>Canadian Journal of Forest Research</i> , 2008 , 38, 3002-3010	1.9	90
103	Ecological Impacts of Introduced Animals in Nahuel Huapi National Park, Argentina. <i>Conservation Biology</i> , 1992 , 6, 71-83	6	86
102	Direct and indirect climate controls predict heterogeneous early-mid 21st century wildfire burned area across western and boreal North America. <i>PLoS ONE</i> , 2017 , 12, e0188486	3.7	83
101	Environmental correlates of mammal species richness in South America: effects of spatial structure, taxonomy and geographic range. <i>Ecography</i> , 2004 , 27, 401-417	6.5	81
100	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. <i>Frontiers in Plant Science</i> , 2018 , 9, 1964	6.2	77
99	Fire-induced changes in northern Patagonian landscapes 1999 , 14, 1-15		73
98	Environmental and genetic control of insect abundance and herbivory along a forest elevational gradient. <i>Oecologia</i> , 2011 , 167, 117-29	2.9	71
97	Decreases in Fire Spread Probability with Forest Age Promotes Alternative Community States, Reduced Resilience to Climate Variability and Large Fire Regime Shifts. <i>Ecosystems</i> , 2012 , 15, 97-112	3.9	70
96	The historical range of variability of fires in the Andean - Patagonian Nothofagus forest region. <i>International Journal of Wildland Fire</i> , 2008 , 17, 724	3.2	69
95	Adapting to global environmental change in Patagonia: What role for disturbance ecology?. <i>Austral Ecology</i> , 2011 , 36, 891-903	1.5	67
94	Small-scale habitat use and assemblage structure of ground-dwelling beetles in a Patagonian shrub steppe. <i>Journal of Arid Environments</i> , 2006 , 67, 177-194	2.5	66
93	BLOWDOWN HISTORY AND LANDSCAPE PATTERNS IN THE ANDES OF TIERRA DEL FUEGO, ARGENTINA. <i>Ecology</i> , 1997 , 78, 678-692	4.6	65
92	Differential effects of climate variability on forest dynamics along a precipitation gradient in northern Patagonia. <i>Journal of Ecology</i> , 2010 , 98, 1023-1034	6	64
91	Influences of fire-vegetation feedbacks and post-fire recovery rates on forest landscape vulnerability to altered fire regimes. <i>Journal of Ecology</i> , 2018 , 106, 1925-1940	6	62
90	Influences of humans and ENSO on fire history of <i>Austrocedrus chilensis</i> woodlands in northern Patagonia, Argentina. <i>Ecoscience</i> , 1997 , 4, 508-520	1.1	61
89	Fire-vegetation feedbacks and alternative states: common mechanisms of temperate forest vulnerability to fire in southern South America and New Zealand. <i>New Zealand Journal of Botany</i> , 2016 , 54, 247-272	1	59

88	Latitudinal decrease in folivory within <i>Nothofagus pumilio</i> forests: dual effect of climate on insect density and leaf traits?. <i>Global Ecology and Biogeography</i> , 2011 , 20, 609-619	6.1	54
87	Regeneration mode affects spatial genetic structure of <i>Nothofagus dombeyi</i> forests. <i>Molecular Ecology</i> , 2005 , 14, 2319-29	5.7	52
86	Southern-most <i>Nothofagus</i> trees enduring ice ages: Genetic evidence and ecological niche retrodiction reveal high latitude (54°S) glacial refugia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010 , 298, 247-256	2.9	49
85	Direct and indirect effects of understory bamboo shape tree regeneration niches in a mixed temperate forest. <i>Oecologia</i> , 2009 , 161, 771-80	2.9	49
84	Tectonic influences on tree growth in northern Patagonia, Argentina: the roles of substrate stability and climatic variation. <i>Canadian Journal of Forest Research</i> , 1995 , 25, 1684-1696	1.9	48
83	Factors controlling seed predation by rodents and non-native <i>Sus scrofa</i> in <i>Araucaria araucana</i> forests: potential effects on seedling establishment. <i>Biological Invasions</i> , 2010 , 12, 689-706	2.7	46
82	Effects of fire severity in a north Patagonian subalpine forest. <i>Journal of Vegetation Science</i> , 2005 , 16, 5-12	3.1	44
81	Trophic and non-trophic pathways mediate apparent competition through post-dispersal seed predation in a Patagonian mixed forest. <i>Oikos</i> , 2006 , 113, 469-480	4	43
80	Effects of position, understory vegetation and coarse woody debris on tree regeneration in two environmentally contrasting forests of north-western Patagonia: a manipulative approach. <i>Journal of Biogeography</i> , 2006 , 33, 1357-1367	4.1	43
79	Fire History and Vegetation Changes in Northern Patagonia, Argentina 2003 , 265-295		42
78	A field experiment on climatic and herbivore impacts on post-fire tree regeneration in north-western Patagonia. <i>Journal of Ecology</i> , 2007 , 95, 771-779	6	41
77	Effects of introduced ungulates on forest understory communities in northern Patagonia are modified by timing and severity of stand mortality. <i>Plant Ecology</i> , 2009 , 201, 11-22	1.7	40
76	Interannual changes in folivory and bird insectivory along a natural productivity gradient in northern Patagonian forests. <i>Ecography</i> , 2004 , 27, 29-40	6.5	40
75	Influences of gap microheterogeneity on the regeneration of <i>Nothofagus pumilio</i> in a xeric old-growth forest of northwestern Patagonia, Argentina. <i>Canadian Journal of Forest Research</i> , 2000 , 30, 25-31	1.9	40
74	Southern Annular Mode drives multicentury wildfire activity in southern South America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9552-9557	11.5	39
73	Ecological and climatic controls of modern wildfire activity patterns across southwestern South America. <i>Ecosphere</i> , 2012 , 3, art103	3.1	38
72	Fire history in the <i>Araucaria araucana</i> forests of Argentina: human and climate influences. <i>International Journal of Wildland Fire</i> , 2013 , 22, 194	3.2	38
71	Patterns and mechanisms of masting in the large-seeded southern hemisphere conifer <i>Araucaria araucana</i> . <i>Austral Ecology</i> , 2008 , 33, 78-87	1.5	38

70	Indirect effects of prey swamping: differential seed predation during a bamboo masting event. <i>Ecology</i> , 2007 , 88, 2541-54	4.6	37
69	Ecosystem dynamics and management after forest die-off: a global synthesis with conceptual state-and-transition models. <i>Ecosphere</i> , 2017 , 8, e02034	3.1	36
68	Historical and event-based bioclimatic suitability predicts regional forest vulnerability to compound effects of severe drought and bark beetle infestation. <i>Global Change Biology</i> , 2018 , 24, 1952-1964	11.4	35
67	Araucaria araucana tree-ring chronologies in Argentina: spatial growth variations and climate influences. <i>Trees - Structure and Function</i> , 2012 , 26, 443-458	2.6	35
66	Facilitation vs. apparent competition: insect herbivory alters tree seedling recruitment under nurse shrubs in a steppe-woodland ecotone. <i>Journal of Ecology</i> , 2010 , 98, 488-497	6	33
65	Effects of biological legacies and herbivory on fuels and flammability traits: A long-term experimental study of alternative stable states. <i>Journal of Ecology</i> , 2017 , 105, 1309-1322	6	32
64	Inter-hemispheric comparison of fire history: The Colorado Front Range, U.S.A., and the Northern Patagonian Andes, Argentina. <i>Plant Ecology</i> , 2002 , 163, 187-207	1.7	32
63	Landscape responses to a century of land use along the northern Patagonian forest-steppe transition. <i>Plant Ecology</i> , 2012 , 213, 259-272	1.7	30
62	Crown dieback events as key processes creating cavity habitat for magellanic woodpeckers. <i>Austral Ecology</i> , 2007 , 32, 436-445	1.5	29
61	Environmental drivers and spatial dependency in wildfire ignition patterns of northwestern Patagonia. <i>Journal of Environmental Management</i> , 2013 , 123, 77-87	7.9	28
60	Sex-related spatial segregation and growth in a dioecious conifer along environmental gradients in northwestern Patagonia. <i>Ecoscience</i> , 2008 , 15, 73-80	1.1	28
59	ENSO as a forewarning tool of regional fire occurrence in northern Patagonia, Argentina. <i>International Journal of Wildland Fire</i> , 2002 , 11, 33	3.2	28
58	Pine Plantations and Invasion Alter Fuel Structure and Potential Fire Behavior in a Patagonian Forest-Steppe Ecotone. <i>Forests</i> , 2018 , 9, 117	2.8	27
57	Ecotones as Complex Arenas of Disturbance, Climate, and Human Impacts: The Trans-Andean Forest-Steppe Ecotone of Northern Patagonia 2012 , 59-88		27
56	Influences of gap microheterogeneity on the regeneration of <i>Nothofagus pumilio</i> in a xeric old-growth forest of northwestern Patagonia, Argentina. <i>Canadian Journal of Forest Research</i> , 2000 , 30, 25-31	1.9	27
55	Forest and woodland replacement patterns following drought-related mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29720-29729	11.5	27
54	Changes in vegetation structure and fuel characteristics along post-fire succession promote alternative stable states and positive fire-vegetation feedbacks. <i>Journal of Vegetation Science</i> , 2018 , 29, 147-156	3.1	26
53	Seasonal patterns of herbivory, leaf traits and productivity consumption in dry and wet Patagonian forests. <i>Ecological Entomology</i> , 2012 , 37, 193-203	2.1	26

52	Habitat distribution modeling reveals vegetation flammability and land use as drivers of wildfire in SW Patagonia. <i>Ecosphere</i> , 2013 , 4, art53	3.1	23
51	Assessing dendroecological methods to reconstruct defoliator outbreaks on <i>Nothofagus pumilio</i> in northwestern Patagonia, Argentina. <i>Canadian Journal of Forest Research</i> , 2009 , 39, 1617-1629	1.9	23
50	Abiotic factors related to the incidence of the <i>Austrocedrus chilensis</i> disease syndrome at a landscape scale. <i>Forest Ecology and Management</i> , 2008 , 256, 1087-1095	3.9	21
49	Variable community responses to herbivory in fire-altered landscapes of northern Patagonia, Argentina. <i>African Journal of Range and Forage Science</i> , 2005 , 22, 85-91	1.5	21
48	Patterns of use and damage by exotic deer on native plant communities in northwestern Patagonia. <i>European Journal of Wildlife Research</i> , 2012 , 58, 137-146	2	20
47	High <i>Nothofagus</i> flower consumption and pollen emptying in the southern South American austral parakeet (<i>Enicognathus ferrugineus</i>). <i>Austral Ecology</i> , 2006 , 31, 759-766	1.5	20
46	Nutrient supply and bird predation additively control insect herbivory and tree growth in two contrasting forest habitats. <i>Oikos</i> , 2010 , 119, 337-349	4	19
45	Interactive effects of introduced herbivores and post-flowering die-off of bamboos in Patagonian <i>Nothofagus</i> forests. <i>Journal of Vegetation Science</i> , 2007 , 18, 371-378	3.1	19
44	Fire history in southern Patagonia: human and climate influences on fire activity in <i>Nothofagus pumilio</i> forests. <i>Ecosphere</i> , 2017 , 8, e01932	3.1	16
43	How do cold-sensitive species endure ice ages? Phylogeographic and paleodistribution models of postglacial range expansion of the mesothermic drought-tolerant conifer <i>Austrocedrus chilensis</i> . <i>New Phytologist</i> , 2015 , 208, 960-72	9.8	16
42	Growth and climatic response of male and female trees of <i>Austrocedrus chilensis</i> , a dioecious conifer from the temperate forests of southern South America. <i>Ecoscience</i> , 2003 , 10, 195-203	1.1	16
41	Interactive effects of introduced herbivores and post-flowering die-off of bamboos in Patagonian <i>Nothofagus</i> forests. <i>Journal of Vegetation Science</i> , 2007 , 18, 371	3.1	16
40	Food resources and reproductive output of the Austral Parakeet (<i>Enicognathus ferrugineus</i>) in forests of northern Patagonia. <i>Emu</i> , 2012 , 112, 234-243	1.1	15
39	Influences of Climate on Fire in Northern Patagonia, Argentina 2003 , 296-321		15
38	FIRE HISTORY IN NORTHERN PATAGONIA: THE ROLES OF HUMANS AND CLIMATIC VARIATION 1999 , 69, 47		15
37	A stochastic fire spread model for north Patagonia based on fire occurrence maps. <i>Ecological Modelling</i> , 2015 , 300, 73-80	3	14
36	Survival, growth and vulnerability to drought in fire refuges: implications for the persistence of a fire-sensitive conifer in northern Patagonia. <i>Oecologia</i> , 2015 , 179, 1111-22	2.9	14
35	Efectos de la producción de semillas y la heterogeneidad vegetal sobre la supervivencia de semillas y el patrón espacio-temporal de establecimiento de plántulas en <i>Araucaria araucana</i> . <i>Revista Chilena De Historia Natural</i> , 2009 , 82,	1.8	14

34	Non-additive effects of alternative stable states on landscape flammability in NW Patagonia: fire history and simulation modelling evidence. <i>International Journal of Wildland Fire</i> , 2019 , 28, 149	3.2	13
33	Biogeographical Consequences of Recent Climate Changes in the Southern Andes of Argentina. <i>Advances in Global Change Research</i> , 2005 , 157-166	1.2	13
32	Establishment and life history characteristics of the southern South American mistletoe <i>Misodendrum punctulatum</i> (Misodendraceae). <i>Revista Chilena De Historia Natural</i> , 2004 , 77, 509	1.8	12
31	Episodic bamboo die-off, neighbourhood interactions and tree seedling performance in a Patagonian mixed forest. <i>Journal of Ecology</i> , 2015 , 103, 231-242	6	11
30	Modelling <i>Phytophthora</i> disease risk in <i>Austrocedrus chilensis</i> forests of Patagonia. <i>European Journal of Forest Research</i> , 2012 , 131, 323-337	2.7	11
29	Nest habitat selection by the Austral parakeet in north-western Patagonia. <i>Austral Ecology</i> , 2013 , 38, 268-278	1.5	11
28	Impact of introduced herbivores on understory vegetation along a regional moisture gradient in Patagonian beech forests. <i>Forest Ecology and Management</i> , 2016 , 366, 11-22	3.9	9
27	EFFECTS OF CLIMATIC VARIABILITY ON FACILITATION OF TREE ESTABLISHMENT IN NORTHERN PATAGONIA 2000 , 81, 1914		9
26	Temporal shifts in the interaction between woody resprouters and an obligate seeder tree during a post-fire succession in Patagonia. <i>Journal of Vegetation Science</i> , 2016 , 27, 1198-1208	3.1	9
25	Regional climate oscillations and local topography shape genetic polymorphisms and distribution of the giant columnar cactus <i>Echinopsis terscheckii</i> in drylands of the tropical Andes. <i>Journal of Biogeography</i> , 2018 , 45, 116-126	4.1	9
24	Genetic Diversity and Structure in <i>Austrocedrus chilensis</i> Populations: Implications for Dryland Forest Restoration. <i>Restoration Ecology</i> , 2012 , 20, 568-575	3.1	8
23	Gap formation and dieback in Fuego-Patagonian <i>Nothofagus</i> forests. <i>Phytocoenologia</i> , 1993 , 23, 581-599		8
22	Impact of Extreme and Infrequent Events on Terrestrial Ecosystems and Biodiversity 2013 , 209-223		7
21	Relative size to resprouters determines post-fire recruitment of non-serotinous pines. <i>Forest Ecology and Management</i> , 2018 , 429, 300-307	3.9	6
20	Mortality of the outbreak defoliator <i>Ormiscodes amphimone</i> (Lepidoptera: Saturniidae) caused by natural enemies in northwestern Patagonia, Argentina. <i>Revista Chilena De Historia Natural</i> , 2012 , 85, 113-122	1.8	6
19	Increased fire severity triggers positive feedbacks of greater vegetation flammability and favors plant community-type conversions. <i>Journal of Vegetation Science</i> , 2021 , 32,	3.1	5
18	Variable strength of top-down effects in <i>Nothofagus</i> forests: bird predation and insect herbivory during an ENSO event. <i>Austral Ecology</i> , 2009 , 34, 359	1.5	4
17	Distribuci3n y estado de conservaci3n del alerce (<i>Fitzroya cupressoides</i> (Mol.) Johnst.) en Argentina. <i>Bosque</i> , 2000 , 21, 79-89	0.8	4

16	Globally, tree fecundity exceeds productivity gradients.. <i>Ecology Letters</i> , 2022 ,	10	4
15	Effects of fire severity in a north Patagonian subalpine forest 2005 , 16, 5		3
14	Ecological niche modeling meets phylogeography to unravel hidden past history of key forest genera in plant geography: Podocarpus and Nothofagus. <i>Natureza A Conservacao</i> , 2012 , 10, 160-168		3
13	Fragmentation modulates the response of dichotomous landscapes to fire and seed dispersal. <i>Ecological Modelling</i> , 2019 , 392, 22-30	3	3
12	Chronic insect herbivores accelerate litter decomposition and nutrient recycling rates along an environmental/herbivory gradient in northern Patagonia. <i>Forest Ecology and Management</i> , 2021 , 479, 118534	3.9	3
11	Rejecting Editorial Rejections Revisited: Are Editors of Ecological Journals Good Oracles?. <i>Bulletin of the Ecological Society of America</i> , 2014 , 95, 238-242	0.7	2
10	Invasive ectomycorrhizal fungi can disperse in the absence of their known vectors. <i>Fungal Ecology</i> , 2022 , 55, 101124	4.1	2
9	La deposici3n de cenizas volc3nicas modula la descomposici3n de hojarasca en bosques de Nothofagus dombeyi del norte de Patagonia. <i>Ecologia Austral</i> , 2018 , 28, 028-039	1.9	2
8	Anthropogenic Factors Control the Distribution of a Southern Conifer Phytophthora Disease in a Peri-Urban Area of Northern Patagonia, Argentina. <i>Forests</i> , 2020 , 11, 1183	2.8	2
7	Niche squeeze induced by climate change of the cold-tolerant subtropical montane. <i>Royal Society Open Science</i> , 2018 , 5, 180513	3.3	2
6	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery.. <i>Nature Communications</i> , 2022 , 13, 2381	17.4	2
5	Are digestibility and flammability related? Two variables shaping landscape dynamics of Northwestern Patagonian forests. <i>Forest Ecology and Management</i> , 2021 , 503, 119810	3.9	1
4	Tree size and crown structure explain the presence of cavities required by wildlife in cool-temperate forests of South America. <i>Forest Ecology and Management</i> , 2021 , 494, 119295	3.9	1
3	Multi-centennial phase-locking between reproduction of a South American conifer and large-scale drivers of climate.. <i>Nature Plants</i> , 2021 , 7, 1560-1570	11.5	0
2	Projections of fire probability and ecosystem vulnerability under 21st century climate across a trans-Andean productivity gradient in Patagonia. <i>Science of the Total Environment</i> , 2022 , 839, 156303	10.2	0
1	Effects of introduced ungulates on forest understory communities in northern Patagonia are modified by timing and severity of stand mortality 2008 , 11-22		