

Thomas Kitzberger

List of Publications by Year in descending order

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123
papers

14,698
citations

47006

47
h-index

20961

115
g-index

124
all docs

124
docs citations

124
times ranked

15478
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	5,535
2	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
3	A synthesis of radial growth patterns preceding tree mortality. <i>Global Change Biology</i> , 2017, 23, 1675-1690.	9.5	394
4	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.	6.4	348
5	CLIMATIC AND HUMAN INFLUENCES ON FIRE REGIMES IN PONDEROSA PINE FORESTS IN THE COLORADO FRONT RANGE. , 2000, 10, 1178-1195.		338
6	Disturbance Regime and Disturbance Interactions in a Rocky Mountain Subalpine Forest. <i>Journal of Ecology</i> , 1994, 82, 125.	4.0	323
7	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.	7.1	292
8	Factors predisposing episodic drought-induced tree mortality in <i>Nothofagus</i> - site, climatic sensitivity and growth trends. <i>Journal of Ecology</i> , 2004, 92, 954-966.	4.0	269
9	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.	9.5	234
10	FIRE HISTORY IN NORTHERN PATAGONIA: THE ROLES OF HUMANS AND CLIMATIC VARIATION. <i>Ecological Monographs</i> , 1999, 69, 47-67.	5.4	233
11	Low growth resilience to drought is related to future mortality risk in trees. <i>Nature Communications</i> , 2020, 11, 545.	12.8	228
12	LANDSCAPE INFLUENCES ON OCCURRENCE AND SPREAD OF WILDFIRES IN PATAGONIAN FORESTS AND SHRUBLANDS. <i>Ecology</i> , 2005, 86, 2705-2715.	3.2	211
13	EFFECTS OF CLIMATIC VARIABILITY ON FACILITATION OF TREE ESTABLISHMENT IN NORTHERN PATAGONIA. <i>Ecology</i> , 2000, 81, 1914-1924.	3.2	205
14	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.	7.1	199
15	Disturbance and forest dynamics along a transect from Andean rain forest to Patagonian shrubland. <i>Journal of Vegetation Science</i> , 1992, 3, 507-520.	2.2	181
16	Climatic influences on fire regimes along a rain forest to temperate woodland gradient in northern Patagonia, Argentina. <i>Journal of Biogeography</i> , 1997, 24, 35-47.	3.0	175
17	Patterns and drivers of recent disturbances across the temperate forest biome. <i>Nature Communications</i> , 2018, 9, 4355.	12.8	167
18	Inter-hemispheric synchrony of forest fires and the El Niño-Southern Oscillation. <i>Global Ecology and Biogeography</i> , 2001, 10, 315-326.	5.8	150

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19	Isozyme variation and recent biogeographical history of the long-lived conifer <i>Fitzroya cupressoides</i> . <i>Journal of Biogeography</i> , 2000, 27, 251-260.	3.0	142
20	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.	2.5	121
21	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. <i>Frontiers in Plant Science</i> , 2018, 9, 1964.	3.6	117
22	Influences of fireâ€“vegetation feedbacks and postâ€“fire recovery rates on forest landscape vulnerability to altered fire regimes. <i>Journal of Ecology</i> , 2018, 106, 1925-1940.	4.0	114
23	Recruitment patterns following a severe drought: long-term compositional shifts in Patagonian forests. <i>Canadian Journal of Forest Research</i> , 2008, 38, 3002-3010.	1.7	112
24	Ecological Impacts of Introduced Animals in Nahuel Huapi National Park, Argentina. <i>Conservation Biology</i> , 1992, 6, 71-83.	4.7	108
25	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.	7.1	99
26	Fire-induced changes in northern Patagonian landscapes. , 1999, 14, 1-15.		93
27	Fireâ€“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.	1.1	93
28	The historical range of variability of fires in the Andean - Patagonian <i>Nothofagus</i> forest region. <i>International Journal of Wildland Fire</i> , 2008, 17, 724.	2.4	91
29	Environmental correlates of mammal species richness in South America: effects of spatial structure, taxonomy and geographic range. <i>Ecography</i> , 2004, 27, 401-417.	4.5	89
30	BLOWDOWN HISTORY AND LANDSCAPE PATTERNS IN THE ANDES OF TIERRA DEL FUEGO, ARGENTINA. <i>Ecology</i> , 1997, 78, 678-692.	3.2	88
31	Adapting to global environmental change in Patagonia: What role for disturbance ecology?. <i>Austral Ecology</i> , 2011, 36, 891-903.	1.5	88
32	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.	3.4	87
33	Environmental and genetic control of insect abundance and herbivory along a forest elevational gradient. <i>Oecologia</i> , 2011, 167, 117-129.	2.0	80
34	Differential effects of climate variability on forest dynamics along a precipitation gradient in northern Patagonia. <i>Journal of Ecology</i> , 2010, 98, 1023-1034.	4.0	78
35	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.	2.4	77
36	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.	1.4	71

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37	Regeneration mode affects spatial genetic structure of <i>Nothofagus dombeyi</i> forests. <i>Molecular Ecology</i> , 2005, 14, 2319-2329.	3.9	62
38	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.	5.8	60
39	Fire History and Vegetation Changes in Northern Patagonia, Argentina. , 2003, , 265-295.		59
40	Effects of fire severity in a north Patagonian subalpine forest. <i>Journal of Vegetation Science</i> , 2005, 16, 5-12.	2.2	59
41	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.	2.3	59
42	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.	7.1	59
43	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.	1.7	57
44	Effects of position, understorey 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.	3.0	57
45	Direct and indirect effects of understorey bamboo shape tree regeneration niches in a mixed temperate forest. <i>Oecologia</i> , 2009, 161, 771-780.	2.0	57
46	Ecosystem dynamics and management after forest die-off: a global synthesis with conceptual state-transition models. <i>Ecosphere</i> , 2017, 8, e02034.	2.2	56
47	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.	4.0	53
48	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.	2.4	53
49	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.	1.7	51
50	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.	2.7	49
51	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	49
52	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.	2.4	48
53	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.	2.2	48
54	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.	9.5	48

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55	Ecological and climatic controls of modern wildfire activity patterns across southwestern South America. <i>Ecosphere</i> , 2012, 3, 1-25.	2.2	47
56	Interannual changes in folivory and bird insectivory along a natural productivity gradient in northern Patagonian forests. <i>Ecography</i> , 2004, 27, 29-40.	4.5	46
57	<i>Araucaria araucana</i> tree-ring chronologies in Argentina: spatial growth variations and climate influences. <i>Trees - Structure and Function</i> , 2012, 26, 443-458.	1.9	46
58	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.	1.6	44
59	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.	4.0	44
60	INDIRECT EFFECTS OF PREY SWAMPING: DIFFERENTIAL SEED PREDATION DURING A BAMBOO MASTING EVENT. <i>Ecology</i> , 2007, 88, 2541-2554.	3.2	43
61	Crown dieback events as key processes creating cavity habitat for magellanic woodpeckers. <i>Austral Ecology</i> , 2007, 32, 436-445.	1.5	42
62	Sex-related spatial segregation and growth in a dioecious conifer along environmental gradients in northwestern Patagonia. <i>Ecoscience</i> , 2008, 15, 73-80.	1.4	40
63	Pine Plantations and Invasion Alter Fuel Structure and Potential Fire Behavior in a Patagonian Forest-Steppe Ecotone. <i>Forests</i> , 2018, 9, 117.	2.1	40
64	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.	4.0	39
65	Title is missing!. <i>Plant Ecology</i> , 2002, 163, 187-207.	1.6	38
66	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.	1.7	37
67	Environmental drivers and spatial dependency in wildfire ignition patterns of northwestern Patagonia. <i>Journal of Environmental Management</i> , 2013, 123, 77-87.	7.8	36
68	Ecotones as Complex Arenas of Disturbance, Climate, and Human Impacts: The Trans-Andean Forest-Steppe Ecotone of Northern Patagonia. , 2012, , 59-88.		35
69	Landscape responses to a century of land use along the northern Patagonian forest-steppe transition. <i>Plant Ecology</i> , 2012, 213, 259-272.	1.6	35
70	Seasonal patterns of herbivory, leaf traits and productivity consumption in dry and wet Patagonian forests. <i>Ecological Entomology</i> , 2012, 37, 193-203.	2.2	33
71	Habitat distribution modeling reveals vegetation flammability and land use as drivers of wildfire in SW Patagonia. <i>Ecosphere</i> , 2013, 4, 1-20.	2.2	33
72	ENSO as a forewarning tool of regional fire occurrence in northern Patagonia, Argentina. <i>International Journal of Wildland Fire</i> , 2002, 11, 33.	2.4	32

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73	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.	1.7	32
74	Increased fire severity triggers positive feedbacks of greater vegetation flammability and favors plant community type conversions. <i>Journal of Vegetation Science</i> , 2021, 32, .	2.2	29
75	Fire history in southern Patagonia: human and climate influences on fire activity in <i>Nothofagus pumilio</i> forests. <i>Ecosphere</i> , 2017, 8, e01932.	2.2	28
76	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.	1.4	23
77	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.	3.2	23
78	Nutrient supply and bird predation additively control insect herbivory and tree growth in two contrasting forest habitats. <i>Oikos</i> , 2010, 119, 337-349.	2.7	23
79	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.	1.4	23
80	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, 960-972.	7.3	23
81	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, 1111-1122.	2.0	23
82	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	22
83	A stochastic fire spread model for north Patagonia based on fire occurrence maps. <i>Ecological Modelling</i> , 2015, 300, 73-80.	2.5	22
84	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.	2.4	22
85	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.	2.2	22
86	Influences of Climate on Fire in Northern Patagonia, Argentina. , 2003, , 296-321.		21
87	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, .	1.2	21
88	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery. <i>Nature Communications</i> , 2022, 13, 2381.	12.8	21
89	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.	8.0	21
90	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.	2.2	20

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91	Biogeographical Consequences of Recent Climate Changes in the Southern Andes of Argentina. <i>Advances in Global Change Research</i> , 2005, , 157-166.	1.6	19
92	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.	0.6	19
93	Episodic bamboo die-off, neighbourhood interactions and tree seedling performance in a Patagonian mixed forest. <i>Journal of Ecology</i> , 2015, 103, 231-242.	4.0	17
94	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.	1.4	16
95	Fire History in Northern Patagonia: The Roles of Humans and Climatic Variation. <i>Ecological Monographs</i> , 1999, 69, 47.	5.4	16
96	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.	1.2	14
97	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, 359-367.	1.5	14
98	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.	2.5	14
99	Nest habitat selection by the Austral parakeet in north-western Patagonia. <i>Austral Ecology</i> , 2013, 38, 268-278.	1.5	14
100	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.	2.2	14
101	Genetic Diversity and Structure in <i>Austrocedrus chilensis</i> Populations: Implications for Dryland Forest Restoration. <i>Restoration Ecology</i> , 2012, 20, 568-575.	2.9	11
102	Impact of Extreme and Infrequent Events on Terrestrial Ecosystems and Biodiversity. , 2013, , 209-223.		11
103	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.	3.0	11
104	Gap formation and dieback in Fuego-Patagonian <i>Nothofagus</i> forests. <i>Phytocoenologia</i> , 1993, 23, 581-599.	0.5	11
105	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.	9.3	11
106	Globally, tree fecundity exceeds productivity gradients. <i>Ecology Letters</i> , 2022, 25, 1471-1482.	6.4	11
107	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.	3.2	10
108	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.	1.2	10

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109	Distribuci3n y estado de conservaci3n del alerce (<i>Fitzroya cupressoides</i> (Mol.) Johnst.) en Argentina. <i>Bosque</i> , 2000, 21, 79-89.	0.3	10
110	Effects of Climatic Variability on Facilitation of Tree Establishment in Northern Patagonia. <i>Ecology</i> , 2000, 81, 1914.	3.2	9
111	Relative size to resprouters determines post-fire recruitment of non-serotinous pines. <i>Forest Ecology and Management</i> , 2018, 429, 300-307.	3.2	8
112	Niche squeeze induced by climate change of the cold-tolerant subtropical montane <i>Podocarpus parlatorei</i> . <i>Royal Society Open Science</i> , 2018, 5, 180513.	2.4	6
113	Anthropogenic Factors Control the Distribution of a Southern Conifer <i>Phytophthora</i> Disease in a Peri-Urban Area of Northern Patagonia, Argentina. <i>Forests</i> , 2020, 11, 1183.	2.1	6
114	Invasive ectomycorrhizal fungi can disperse in the absence of their known vectors. <i>Fungal Ecology</i> , 2022, 55, 101124.	1.6	6
115	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.	3.2	5
116	Effects of fire severity in a north Patagonian subalpine forest. <i>Journal of Vegetation Science</i> , 2005, 16, 5.	2.2	5
117	Rejecting Editorial Rejections Revisited: Are Editors of Ecological Journals Good Oracles?. <i>Bulletin of the Ecological Society of America</i> , 2014, 95, 238-242.	0.2	4
118	Fragmentation modulates the response of dichotomous landscapes to fire and seed dispersal. <i>Ecological Modelling</i> , 2019, 392, 22-30.	2.5	4
119	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.	3.2	4
120	Ecological niche modeling meets phylogeography to unravel hidden past history of key forest genera in plant geography: <i>Podocarpus</i> and <i>Nothofagus</i> . <i>Natureza A Conservacao</i> , 2012, 10, 160-168.	2.5	3
121	Are digestibility and flammability related? Two variables shaping landscape dynamics of Northwestern Patagonian forests. <i>Forest Ecology and Management</i> , 2022, 503, 119810.	3.2	1
122	Effects of introduced ungulates on forest understory communities in northern Patagonia are modified by timing and severity of stand mortality. , 2008, , 11-22.		0
123	Impact of Extreme Events on Terrestrial Ecosystems and Biodiversity. , 2024, , 943-961.		0