Peter Wilf

List of Publications by Year
in descending order

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95 papers	8,084 citations	66250 44 h-index	56606 87 g-index
97 all docs	97 docs citations	97 times ranked	8306 citing authors

#	Article	IF	Citations
1	Phylogenetic biome conservatism on a global scale. Nature, 2009, 458, 754-756.	13.7	588
2	Global climatic drivers of leaf size. Science, 2017, 357, 917-921.	6.0	580
3	Testing the Impact of Calibration on Molecular Divergence Times Using a Fossil-Rich Group: The Case of Nothofagus (Fagales). Systematic Biology, 2012, 61, 289-313.	2.7	351
4	When are leaves good thermometers? A new case for Leaf Margin Analysis. Paleobiology, 1997, 23, 373-390.	1.3	344
5	Correlations of climate and plant ecology to leaf size and shape: potential proxies for the fossil record. American Journal of Botany, 2005, 92, 1141-1151.	0.8	271
6	Using fossil leaves as paleoprecipitation indicators: An Eocene example. Geology, 1998, 26, 203.	2.0	264
7	High Plant Diversity in Eocene South America: Evidence from Patagonia. Science, 2003, 300, 122-125.	6.0	263
8	Late Paleocene fossils from the CerrejÃ³n Formation, Colombia, are the earliest record of Neotropical rainforest. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18627-18632.	3.3	256
9	Impact of the terminal Cretaceous event on plant-insect associations. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2061-2066.	3.3	252
10	Sharply increased insect herbivory during the Paleoceneâ€“Eocene Thermal Maximum. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1960-1964.	3.3	224
11	Correlated terrestrial and marine evidence for global climate changes before mass extinction at the Cretaceous-Paleogene boundary. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 599-604.	3.3	214
12	Response of Plant-Insect Associations to Paleocene-Eocene Warming. Science, 1999, 284, 2153-2156.	6.0	213
13	Eocene Plant Diversity at Laguna del Hunco and RÃo PichileufÃº, Patagonia, Argentina. American Naturalist, 2005, 165, 634-650.	1.0	200
14	Why Do Toothed Leaves Correlate with Cold Climates? Gas Exchange at Leaf Margins Provides New Insights into a Classic Paleotemperature Proxy. International Journal of Plant Sciences, 2006, 167, 11-18.	0.6	191
15	Decoupled Plant and Insect Diversity After the End-Cretaceous Extinction. Science, 2006, 313, 1112-1115.	6.0	149
16	Land plant extinction at the end of the Cretaceous: a quantitative analysis of the North Dakota megafloral record. Paleobiology, 2004, 30, 347-368.	1.3	135
17	A Paleocene lowland macroflora from Patagonia reveals significantly greater richness than North American analogs. Geology, 2007, 35, 947.	2.0	130
18	Cretaceous/Paleogene Floral Turnover in Patagonia: Drop in Diversity, Low Extinction, and a Classopollis Spike. PLoS ONE, 2012, 7, e52455.	1.1	126

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19	Sensitivity of leaf size and shape to climate within Acer rubrum and Quercus kelloggii. New Phytologist, 2008, 179, 808-817.	3.5	120
20	Splendid and Seldom Isolated: The Paleobiogeography of Patagonia. Annual Review of Earth and Planetary Sciences, 2013, 41, 561-603.	4.6	120
21	The Angiosperm Terrestrial Revolution and the origins of modern biodiversity. New Phytologist, 2022, 233, 2017-2035.	3.5	119
22	Computer vision cracks the leaf code. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3305-3310.	3.3	114
23	Fossil insect folivory tracks paleotemperature for six million years. Ecological Monographs, 2010, 80, 547-567.	2.4	110
24	Oldest Known Eucalyptus Macrofossils Are from South America. PLoS ONE, 2011, 6, e21084.	1.1	109
25	Functional distinctiveness of major plant lineages. Journal of Ecology, 2014, 102, 345-356.	1.9	108
26	Fossil leaf economics quantified: calibration, Eocene case study, and implications. Paleobiology, 2007, 33, 574-589.	1.3	107
27	Richness of plant-insect associations in Eocene Patagonia: A legacy for South American biodiversity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8944-8948.	3.3	102
28	Habitat-related error in estimating temperatures from leaf margins in a humid tropical forest. American Journal of Botany, 2001, 88, 1096-1102.	0.8	101
29	No post-Cretaceous ecosystem depression in European forests? Rich insect-feeding damage on diverse middle Palaeocene plants, Menat, France. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4271-4277.	1.2	97
30	Paleotemperature Proxies from Leaf Fossils Reinterpreted in Light of Evolutionary History. PLoS ONE, 2010, 5, e15161.	1.1	95
31	Papuacedrus (Cupressaceae) in Eocene Patagonia: A new fossil link to Australasian rainforests. American Journal of Botany, 2009, 96, 2031-2047.	0.8	91
32	Insect Leaf-Chewing Damage Tracks Herbivore Richness in Modern and Ancient Forests. PLoS ONE, 2014, 9, e94950.	1.1	88
33	Paleoâ€Antarctic rainforest into the modern Old World tropics: The rich past and threatened future of the â€œsouthern wet forest survivorsâ€• American Journal of Botany, 2014, 101, 2121-2135.	0.8	87
34	Eocene lantern fruits from Gondwanan Patagonia and the early origins of Solanaceae. Science, 2017, 355, 71-75.	6.0	80
35	Digital Future for Paleoclimate Estimation from Fossil Leaves? Preliminary Results. Palaios, 2003, 18, 266-274.	0.6	78
36	First South American Agathis (Araucariaceae), Eocene of Patagonia. American Journal of Botany, 2014, 101, 156-179.	0.8	78

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37	Rainforest conifers of Eocene Patagonia: Attached cones and foliage of the extant Southeast Asian and Australasian genus Dacrycarpus (Podocarpaceae). American Journal of Botany, 2012, 99, 562-584.	0.8	75
38	Rapid recovery of Patagonian plantâ€“insect associations after the end-Cretaceous extinction. Nature Ecology and Evolution, 2017, 1, 12.	3.4	72
39	Insectâ€damaged fossil leaves record food web response to ancient climate change and extinction. New Phytologist, 2008, 178, 486-502.	3.5	68
40	Casuarinaceae from the Eocene of Patagonia, Argentina. International Journal of Plant Sciences, 2006, 167, 1279-1289.	0.6	65
41	Green Web or megabiased clock? Plant fossils from Gondwanan Patagonia speak on evolutionary radiations. New Phytologist, 2015, 207, 283-290.	3.5	63
42	Novel Insect Leaf-Mining after the End-Cretaceous Extinction and the Demise of Cretaceous Leaf Miners, Great Plains, USA. PLoS ONE, 2014, 9, e103542.	1.1	54
43	New age constraints for early Paleogene strata of central Patagonia, Argentina: Implications for the timing of South American Land Mammal Ages. Bulletin of the Geological Society of America, 2017, 129, 886-903.	1.6	51
44	Distinguishing Agromyzidae (Diptera) Leaf Mines in the Fossil Record: New Taxa from the Paleogene of North America and Germany and Their Evolutionary Implications. Journal of Paleontology, 2010, 84, 935-954.	0.5	49
45	Agathis trees of Patagonia's Cretaceousâ€Paleogene death landscapes and their evolutionary significance. American Journal of Botany, 2018, 105, 1345-1368.	0.8	49
46	Origins and Assembly of Malesian Rainforests. Annual Review of Ecology, Evolution, and Systematics, 2019, 50, 119-143.	3.8	46
47	Portrait of a Late Paleocene (Early Clarkforkian) Terrestrial Ecosystem: Big Multi Quarry and Associated Strata, Washakie Basin, Southwestern Wyoming. Palaios, 1998, 13, 514.	0.6	45
48	Eocene Fagaceae from Patagonia and Gondwanan legacy in Asian rainforests. Science, 2019, 364, .	6.0	45
49	Ecology of leaf teeth: A multiâ€site analysis from an Australian subtropical rainforest. American Journal of Botany, 2009, 96, 738-750.	0.8	43
50	Revision of the Proteaceae Macrofossil Record from Patagonia, Argentina. Botanical Review, The, 2007, 73, 235-266.	1.7	42
51	Odonatan endophytic oviposition from the Eocene of Patagonia: The ichnogenusPaleoovoidusand implications for behavioral stasis. Journal of Paleontology, 2009, 83, 431-447.	0.5	42
52	Quantification of large uncertainties in fossil leaf paleoaltimetry. Tectonics, 2010, 29, .	1.3	40
53	First record of Todea (Osmundaceae) in South America, from the early Eocene paleorainforests of Laguna del Hunco (Patagonia, Argentina). American Journal of Botany, 2013, 100, 1831-1848.	0.8	40
54	Peaches Preceded Humans: Fossil Evidence from SW China. Scientific Reports, 2015, 5, 16794.	1.6	38

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55	The fossil flipâ€leaves (Retrophyllum, Podocarpaceae) of southern South America. American Journal of Botany, 2017, 104, 1344-1369.	0.8	36
56	Protect Australia's Gondwana Rainforests. Science, 2020, 367, 1083-1083.	6.0	36
57	Resolving Australian analogs for an Eocene Patagonian paleorainforest using leaf size and floristics. American Journal of Botany, 2015, 102, 1160-1173.	0.8	31
58	Early Eocene40Ar/39Ar Age for the Pampa de Jones plant, Frog, and Insect Biota (Huitrera Formation,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	30
59	Diverse Plant-Insect Associations from the Latest Cretaceous and Early Paleocene of Patagonia, Argentina. Ameghiniana, 2018, 55, 303.	0.3	29
60	Miocene leaves of Elaeagnus (Elaeagnaceae) from the Qinghaiâ€Tibet Plateau, its modern center of diversity and endemism. American Journal of Botany, 2014, 101, 1350-1361.	0.8	26
61	SEDIMENTARY FACIES AND DEPOSITIONAL ENVIRONMENTS OF DIVERSE EARLY PALEOCENE FLORAS, NORTH-CENTRAL SAN JORGE BASIN, PATAGONIA, ARGENTINA. Palaios, 2015, 30, 553-573.	0.6	26
62	Flowering after disaster: Early Danian buckthorn (Rhamnaceae) flowers and leaves from Patagonia. PLoS ONE, 2017, 12, e0176164.	1.1	25
63	Fossil flowers from the early Palaeocene of Patagonia, Argentina, with affinity to Schizomerieae (Cunoniaceae). Annals of Botany, 2018, 121, 431-442.	1.4	25
64	Cretaceousâ€“Paleogene plant extinction and recovery in Patagonia. Paleobiology, 2020, 46, 445-469.	1.3	24
65	First Evidence for Wollemi Pine-type Pollen (Dilwynites: Araucariaceae) in South America. PLoS ONE, 2013, 8, e69281.	1.1	24
66	Fossil moonseeds from the Paleogene of West Gondwana (Patagonia, Argentina). American Journal of Botany, 2018, 105, 927-942.	0.8	22
67	Early Eocene Spore and Pollen Assemblages from the Laguna del Hunco Fossil Lake Beds, Patagonia, Argentina. International Journal of Plant Sciences, 2020, 181, 594-615.	0.6	22
68	Molecular dates require geologic testing. New Phytologist, 2016, 209, 1359-1362.	3.5	21
69	Ginkgoites patagonica (Berry) comb. nov. from the Eocene of Patagonia, Last Ginkgoalean Record in South America. International Journal of Plant Sciences, 2015, 176, 346-363.	0.6	17
70	The last Patagonian cycad,Austrozamiastockeyigen. et sp. nov., early Eocene of Laguna del Hunco, Chubut, Argentina. Botany, 2016, 94, 817-829.	0.5	16
71	Persistent biotic interactions of a Gondwanan conifer from Cretaceous Patagonia to modern Malesia. Communications Biology, 2020, 3, 708.	2.0	15
72	Early Cenozoic Vegetation in Patagonia: New Insights from Organically Preserved Plant Fossils (Ligorio MÃ¡rquez Formation, Argentina). International Journal of Plant Sciences, 2018, 179, 115-135.	0.6	14

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73	Using fossil leaves as paleoprecipitation indicators: An Eocene example: Comment and Reply. Geology, 1999, 27, 91.	2.0	13
74	Oldest record of the scale-leaved clade of Podocarpaceae, early Paleocene of Patagonia, Argentina. Alcheringa, 2019, 43, 127-145.	0.5	13
75	New physaloid fruitâ€fossil species from early Eocene South America. American Journal of Botany, 2020, 107, 1749-1762.	0.8	13
76	Eocene Araucaria Sect. Eutacta from Patagonia and floristic turnover during the initial isolation of South America. American Journal of Botany, 2020, 107, 806-832.	0.8	13
77	Fossil Angiosperm Leaves: Paleobotany's Difficult Children Prove Themselves. The Paleontological Society Papers, 2008, 14, 319-333.	0.8	12
78	ï»¿An image dataset of cleared, x-rayed, and fossil leaves vetted to plant family for human and machine learning. PhytoKeys, 2021, 187, 93-128.	0.4	12
79	Facies interpretation and geochronology of diverse Eocene floras and faunas, northwest Chubut Province, Patagonia, Argentina. Bulletin of the Geological Society of America, 2021, 133, 740-752.	1.6	10
80	Conifer wood assemblage dominated by Podocarpaceae, early Eocene of Laguna del Hunco, central Argentinean Patagonia. PhytoKeys, 2020, 156, 81-102.	0.4	10
81	Subfossil Leaves Reveal a New Upland Hardwood Component of the Pre-European Piedmont Landscape, Lancaster County, Pennsylvania. PLoS ONE, 2013, 8, e79317.	1.1	9
82	Eocene â€œChusqueaâ€•fossil from Patagonia is a conifer, not a bamboo. PhytoKeys, 2020, 139, 77-89.	0.4	9
83	Reinvestigation of Leaf Rank, an Underappreciated Component of Leo Hickey's Legacy. Bulletin of the Peabody Museum of Natural History, 2014, 55, 79.	0.6	8
84	First South American Record of Winteroxylon, Eocene of Laguna del Hunco (Chubut, Patagonia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 185-197.	0.6	7
85	Fossil fern rhizomes as a model system for exploring epiphyte community structure across geologic time: evidence from Patagonia. PeerJ, 2019, 7, e8244.	0.9	7
86	Unexpected larger distribution of paleogene stem-rollers (AVES, CORACII): new evidence from the Eocene of Patagonia, Argentina. Scientific Reports, 2021, 11, 1363.	1.6	5
87	Patagoniaâ€™s diverse but homogeneous early Paleocene forests: Angiosperm leaves from the Danian Salamanca and PeÃ±as Coloradas formations, San Jorge Basin, Chubut, Argentina. Palaeontologia Electronica, 0, , .	0.9	4
88	Gondwanan survivor lineages and the highâ€risk biogeography of Anthropocene Southeast Asia. Journal of Systematics and Evolution, 2022, 60, 715-727.	1.6	4
89	A South American fossil relative of Phyllocladus: Huncocladus laubenfelsii gen. et sp. nov. (Podocarpaceae), from the early Eocene of Laguna del Hunco, Patagonia, Argentina. Australian Systematic Botany, 2019, , .	0.3	3
90	Response to Comment on â€œEocene Fagaceae from Patagonia and Gondwanan legacy in Asian rainforestsâ€• Science, 2019, 366, .	6.0	3

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91	First fossil-leaf floras from Brunei Darussalam show dipterocarp dominance in Borneo by the Pliocene. PeerJ, 2022, 10, e12949.	0.9	2
92	Cunoniaceae infructescences from the early Eocene Laguna del Hunco flora, Patagonia, Argentina. American Journal of Botany, 2022, , .	0.8	2
93	Effects of Paleoceneâ€"Eocene warming on insect herbivory. Gff, 2000, 122, 178-179.	0.4	1
94	Reaffirming the phyllocladoid affinities of Huncocladus laubenfelsii (Podocarpaceae) from the early Eocene of Patagonia: a comment on DÃ¶rken et al. (2021). Botanical Journal of the Linnean Society, 0, , .	0.8	1
95	Decoding familyâ€level features for modern and fossil leaves from computerâ€vision heat maps. American Journal of Botany, 2022, 109, 768-788.	0.8	1