Nigel C A Pitman

List of Publications by Citations

103 papers	12,907 citations	46 h-index	109 g-index
109 ext. papers	14,814 ext. citations	9.5 avg, IF	5 L-index

#	Paper	IF	Citations
103	Drought sensitivity of the Amazon rainforest. *Science*, **2009**, 323, 1344-7	33.3	1213
102	Beta-diversity in tropical forest trees. *Science*, **2002**, 295, 666-9	33.3	1005
101	Averting biodiversity collapse in tropical forest protected areas. *Nature*, **2012**, 489, 290-4	50.4	686
100	Hyperdominance in the Amazonian tree flora. *Science*, **2013**, 342, 1243092	33.3	637
99	Long-term decline of the Amazon carbon sink. *Nature*, **2015**, 519, 344-8	50.4	583
98	Variation in wood density determines spatial patterns inAmazonian forest biomass. *Global Change Biology*, **2004**, 10, 545-562	11.4	535
97	Continental-scale patterns of canopy tree composition and function across Amazonia. *Nature*, **2006**, 443, 444-7	50.4	508
96	The regional variation of aboveground live biomass in old-growth Amazonian forests. *Global Change Biology*, **2006**, 12, 1107-1138	11.4	424
95	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. *Biogeosciences*, **2012**, 9, 2203-2246	4.6	387
94	The above-ground coarse wood productivity of 104 Neotropical forest plots. *Global Change Biology*, **2004**, 10, 563-591	11.4	366
93	DOMINANCE AND DISTRIBUTION OF TREE SPECIES IN UPPER AMAZONIAN TERRA FIRME FORESTS. *Ecology*, **2001**, 82, 2101-2117	4.6	366
92	Increasing biomass in Amazonian forest plots. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2004**, 359, 353-65	5.8	347
91	Pattern and process in Amazon tree turnover, 1976-2001. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2004**, 359, 381-407	5.8	325
90	Tree recruitment in an empty forest. *Ecology*, **2008**, 89, 1757-68	4.6	310
89	A spatial model of tree □diversity and tree density for the Amazon. *Biodiversity and Conservation*, **2003**, 12, 2255-2277	3.4	298
88	Tree height integrated into pantropical forest biomass estimates. *Biogeosciences*, **2012**, 9, 3381-3403	4.6	289
87	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. *Science* , **2017**, 355, 925-931	33.3	280

86	Relationships among ecologically important dimensions of plant trait variation in seven neotropical forests. *Annals of Botany*, **2007**, 99, 1003-15	4.1	265
85	An estimate of the number of tropical tree species. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7472-7	11.5	258
84	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). *Journal of Vegetation Science*, **2002**, 13, 439-450	3.1	242
83	TREE SPECIES DISTRIBUTIONS IN AN UPPER AMAZONIAN FOREST. *Ecology*, **1999**, 80, 2651-2661	4.6	236
82	Global conservation significance of Ecuador's Yasuní National Park. *PLoS ONE*, **2010**, 5, e8767	3.7	222
81	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. *Global Ecology and Biogeography*, **2014**, 23, 935-946	6.1	205
80	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. *Nature*, **2019**, 569, 404-408	50.4	203
79	Estimating the size of the world's threatened flora. *Science*, **2002**, 298, 989	33.3	167
78	Compositional response of Amazon forests to climate change. *Global Change Biology*, **2019**, 25, 39-56	11.4	158
77	Hyperdominance in Amazonian forest carbon cycling. *Nature Communications*, **2015**, 6, 6857	17.4	157
76	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. *Global Change Biology*, **2016**, 22, 3996-4013	11.4	99
75	A COMPARISON OF TREE SPECIES DIVERSITY IN TWO UPPER AMAZONIAN FORESTS. *Ecology*, **2002**, 83, 3210-3224	4.6	97
74	Seasonal drought limits tree species across the Neotropics. *Ecography*, **2017**, 40, 618-629	6.5	93
73	Long-term thermal sensitivity of Earth's tropical forests. *Science*, **2020**, 368, 869-874	33.3	92
72	Estimating the global conservation status of more than 15,000 Amazonian tree species. *Science Advances*, **2015**, 1, e1500936	14.3	91
71	Habitat-related error in estimating temperatures from leaf margins in a humid tropical forest. *American Journal of Botany*, **2001**, 88, 1096-1102	2.7	85
70	A Floristic Study of the White-Sand Forests of Peru1. *Annals of the Missouri Botanical Garden*, **2010**, 97, 283-305	1.8	84
69	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. *Scientific Reports*, **2018**, 8, 1003	4.9	78

68	Volume and Geographical Distribution of Ecological Research in the Andes and the Amazon, 1995–2008. *Tropical Conservation Science*, **2011**, 4, 64-81	1.4	77
67	Branch xylem density variations across the Amazon Basin. *Biogeosciences*, **2009**, 6, 545-568	4.6	73
66	Do species traits determine patterns of wood production in Amazonian forests?. *Biogeosciences*, **2009**, 6, 297-307	4.6	72
65	The discovery of the Amazonian tree flora with an updated checklist of all known tree taxa. *Scientific Reports*, **2016**, 6, 29549	4.9	70
64	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. *Global Change Biology*, **2009**, 15, 2418-2430	11.4	70
63	Tree Community Change across 700 km of Lowland Amazonian Forest from the Andean Foothills to Brazil. *Biotropica*, **2008**, 40, 525-535	2.3	70
62	Methods to estimate aboveground wood productivity from long-term forest inventory plots. *Forest Ecology and Management*, **2014**, 320, 30-38	3.9	62
61	Tropical forest wood production: a cross-continental comparison. *Journal of Ecology*, **2014**, 102, 1025-1037		58
60	Phylogenetic diversity of Amazonian tree communities. *Diversity and Distributions*, **2015**, 21, 1295-1307	5	56
59	Pan-tropical prediction of forest structure from the largest trees. *Global Ecology and Biogeography*, **2018**, 27, 1366-1383	6.1	52
58	Fast demographic traits promote high diversification rates of Amazonian trees. *Ecology Letters*, **2014**, 17, 527-36	10	48
57	Multi-scale comparisons of tree composition in Amazonian terra firme forests. *Biogeosciences*, **2009**, 6, 2719-2731	4.6	42
56	Towards a dynamic list of Amazonian tree species. *Scientific Reports*, **2019**, 9, 3501	4.9	41
55	Oligarchies in Amazonian tree communities: a ten-year review. *Ecography*, **2013**, 36, 114-123	6.5	36
54	Two biases in estimating range sizes of Amazonian plant species. *Journal of Tropical Ecology*, **2002**, 18, 935-942	1.3	30
53	Tree height integrated into pan-tropical forest biomass estimates		30
52	Spatial trends in leaf size of Amazonian rainforest trees. *Biogeosciences*, **2009**, 6, 1563-1576	4.6	29
51	Extinction-Rate Estimates for a Modern Neotropical Flora. *Conservation Biology*, **2002**, 16, 1427-1431	6	29

50	Evolutionary heritage influences Amazon tree ecology. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	29
49	Distribution and abundance of tree species in swamp forests of Amazonian Ecuador. *Ecography*, **2014**, 37, 902-915	6.5	27
48	Are all species necessary to reveal ecologically important patterns?. *Ecology and Evolution*, **2014**, 4, 4626-36	2.6	25
47	Phylogenetic balance and ecological evenness. *Systematic Biology*, **2002**, 51, 898-907	8.4	25
46	Biased-corrected richness estimates for the Amazonian tree flora. *Scientific Reports*, **2020**, 10, 10130	4.9	24
45	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. *Ecology*, **2020**, 101, e03052	4.6	24
44	Tree mode of death and mortality risk factors across Amazon forests. *Nature Communications*, **2020** , 11, 5515	17.4	24
43	Peatland forests are the least diverse tree communities documented in Amazonia, but contribute to high regional beta-diversity. *Ecography*, **2018**, 41, 1256-1269	6.5	23
42	The global abundance of tree palms. *Global Ecology and Biogeography*, **2020**, 29, 1495-1514	6.1	21
41	Catastrophic natural origin of a species-poor tree community in the world's richest forest. *Journal of Tropical Ecology*, **2005**, 21, 559-568	1.3	21
40	Are compound leaves an adaptation to seasonal drought or to rapid growth? Evidence from the Amazon rain forest. *Global Ecology and Biogeography*, **2010**, 19, 852-862	6.1	20
39	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees. *Biogeosciences*, **2009**, 6, 1577-1590	4.6	20
38	Rarity of monodominance in hyperdiverse Amazonian forests. *Scientific Reports*, **2019**, 9, 13822	4.9	19
37	DOMINANCE AND DISTRIBUTION OF TREE SPECIES IN UPPER AMAZONIAN TERRA FIRME FORESTS **2001**, 82, 2101		19
36	Defaunation increases the spatial clustering of lowland Western Amazonian tree communities. *Journal of Ecology*, **2018**, 106, 1470-1482	6	17
35	Evolutionary diversity is associated with wood productivity in Amazonian forests. *Nature Ecology and Evolution*, **2019**, 3, 1754-1761	12.3	17
34	Drip-tips are Associated with Intensity of Precipitation in the Amazon Rain Forest. *Biotropica*, **2012**, 44, 728-737	2.3	17
33	TREE SPECIES DISTRIBUTIONS IN AN UPPER AMAZONIAN FOREST **1999**, 80, 2651		17

32	Written accounts of an Amazonian landscape over the last 450 years. *Conservation Biology*, **2007**, 21, 253-62	6	15
31	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. *Biological Conservation*, **2021**, 260, 108849	6.2	15
30	Four years of vertebrate monitoring on an upper Amazonian river. *Biodiversity and Conservation*, **2011**, 20, 827-849	3.4	14
29	Dominant tree species drive beta diversity patterns in western Amazonia. *Ecology*, **2019**, 100, e02636	4.6	13
28	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. *Frontiers in Earth Science*, **2019**, 7,	3.5	12
27	Incorporating phylogenetic information for the definition of floristic districts in hyperdiverse Amazon forests: Implications for conservation. *Ecology and Evolution*, **2017**, 7, 9639-9650	2.8	8
26	A 5,000-year vegetation and fire history for forests in the Medio Putumayo-Algodón watersheds, northeastern Peru. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
25	Do species traits determine patterns of wood production in Amazonian forests?		7
24	Forest conservation: Humans' handprints. *Science*, **2017**, 355, 466-467	33.3	6
23	Economically important species dominate aboveground carbon storage in forests of southwestern Amazonia. *Ecology and Society*, **2017**, 22,	4.1	6
22	Research in biodiversity hotspots should be free. *Trends in Ecology and Evolution*, **2010**, 25, 381	10.9	6
21	Brazilian montane rainforest expansion induced by Heinrich Stadial 1 event. *Scientific Reports*, **2019**, 9, 17912	4.9	6
20	Indigenous Perceptions of Tree Species Abundance Across an Upper Amazonian Landscape. *Journal of Ethnobiology*, **2011**, 31, 233-243	1.9	5
19	Amazon tree dominance across forest strata. *Nature Ecology and Evolution*, **2021**, 5, 757-767	12.3	5
18	Scaling issues of neutral theory reveal violations of ecological equivalence for dominant Amazonian tree species. *Ecology Letters*, **2019**, 22, 1072-1082	10	4
17	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees		4
16	Estimating and interpreting migration of Amazonian forests using spatially implicit and semi-explicit neutral models. *Ecology and Evolution*, **2017**, 7, 4254-4265	2.8	3
15	Abiotic modulators of Podocnemis unifilis (Testudines: Podocnemididae) abundances in the Peruvian Amazon. *Zoologia*, **2011**, 28, 343-350	2	3

14	Integrating regional and continental scale comparisons of tree composition in Amazonian terra firme forests		3
13	Sesenta y cuatro nuevos registros para la flora del Perú a través de inventarios biológicos rápidos en la Amazonía peruana. *Revista Peruana De Biologia*, **2019**, 26, 379-392	1.2	2
12	TREE SPECIES DISTRIBUTIONS IN AN UPPER AMAZONIAN FOREST **1999**, 80, 2651		2
11	Late twentieth-century trends in the biomass of Amazonian forest plots **2005**, 129-142		2
10	Late twentieth-century patterns and trends in Amazon tree turnover **2005**, 107-128		2
9	Functional biogeography of Neotropical moist forests: Trait–climate relationships and assembly patterns of tree communities. *Global Ecology and Biogeography*, **2021**, 30, 1430-1446	6.1	2
8	The contribution of environmental and dispersal filters on phylogenetic and taxonomic beta diversity patterns in Amazonian tree communities. *Oecologia*, **2021**, 196, 1119-1137	2.9	2
7	Applied science facilitates the large-scale expansion of protected areas in an Amazonian hot spot. *Science Advances*, **2021**, 7,	14.3	2
6	A Common But Overlooked New Species in the Hyper-Diverse Genus Inga Mill. from the Northwestern Amazon. *Systematic Botany*, **2019**, 44, 536-547	0.7	1
5	Trees of Amazonian Ecuador: a taxonomically verified species list with data on abundance and distribution. *Ecology*, **2019**, 100, e02894	4.6	1
4	Identifying gaps in the photographic record of the vascular plant flora of the Americas. *Nature Plants*, **2021**, 7, 1010-1014	11.5	1
3	A Floristic Assessment of Ecuador's Amazon Tree Flora **2016**, 27-52		1
2	An undescribed and overlooked species of Sloanea (Elaeocarpaceae) from the Ecuadorian Amazon. *Brittonia*, **2018**, 70, 221-226	0.5	0
1	Rediscovery of L.E.Skog & L.P.Kvist (Gesneriaceae) at multiple sites in western Ecuador.. *PhytoKeys*, **2022**, 194, 33-46	0.9	0