

Lourens Poorter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183 papers	21,357 citations	76 h-index	145 g-index
194 ext. papers	25,478 ext. citations	6.8 avg, IF	6.69 L-index

#	Paper	IF	Citations
183	New handbook for standardised measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , 2013 , 61, 167	1.2	1983
182	TRY is a global database of plant traits. <i>Global Change Biology</i> , 2011 , 17, 2905-2935	11.4	1623
181	Causes and consequences of variation in leaf mass per area (LMA): a meta-analysis. <i>New Phytologist</i> , 2009 , 182, 565-588	9.8	1547
180	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015 , 519, 344-8	50.4	583
179	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016 , 530, 211-4	50.4	557
178	Leaf traits are good predictors of plant performance across 53 rain forest species. <i>Ecology</i> , 2006 , 87, 1733-43	4.6	550
177	Plant functional traits have globally consistent effects on competition. <i>Nature</i> , 2016 , 529, 204-7	50.4	453
176	Are functional traits good predictors of demographic rates? Evidence from five neotropical forests. <i>Ecology</i> , 2008 , 89, 1908-20	4.6	444
175	The importance of wood traits and hydraulic conductance for the performance and life history strategies of 42 rainforest tree species. <i>New Phytologist</i> , 2010 , 185, 481-92	9.8	359
174	Functional traits and environmental filtering drive community assembly in a species-rich tropical system. <i>Ecology</i> , 2010 , 91, 386-98	4.6	349
173	Architecture of 54 moist-forest tree species: traits, trade-offs, and functional groups. <i>Ecology</i> , 2006 , 87, 1289-301	4.6	345
172	Global patterns of leaf mechanical properties. <i>Ecology Letters</i> , 2011 , 14, 301-12	10	314
171	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. <i>Science Advances</i> , 2016 , 2, e1501639	14.3	289
170	Seedling root morphology and biomass allocation of 62 tropical tree species in relation to drought- and shade-tolerance. <i>Journal of Ecology</i> , 2009 , 97, 311-325	6	281
169	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. <i>Global Ecology and Biogeography</i> , 2013 , 22, 1261-1271	6.1	280
168	Relationships among ecologically important dimensions of plant trait variation in seven neotropical forests. <i>Annals of Botany</i> , 2007 , 99, 1003-15	4.1	265
167	An estimate of the number of tropical tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7472-7	11.5	258

166	Decoupled leaf and stem economics in rain forest trees. <i>Ecology Letters</i> , 2010 , 13, 1338-47	10	248
165	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015 , 24, 1314-1328		245
164	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015 , 206, 614-36	9.8	244
163	Ecological differentiation in xylem cavitation resistance is associated with stem and leaf structural traits. <i>Plant, Cell and Environment</i> , 2011 , 34, 137-48	8.4	231
162	Seedling Traits Determine Drought Tolerance of Tropical Tree Species. <i>Biotropica</i> , 2008 , 40, 321-331	2.3	225
161	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , 2014 , 23, 935-946	6.1	205
160	Decomposition in tropical forests: a pan-tropical study of the effects of litter type, litter placement and mesofaunal exclusion across a precipitation gradient. <i>Journal of Ecology</i> , 2009 , 97, 801-811	6	204
159	Hydraulics and life history of tropical dry forest tree species: coordination of species drought and shade tolerance. <i>New Phytologist</i> , 2011 , 191, 480-495	9.8	201
158	Does functional trait diversity predict above-ground biomass and productivity of tropical forests? Testing three alternative hypotheses. <i>Journal of Ecology</i> , 2015 , 103, 191-201	6	194
157	Tissue-level leaf toughness, but not lamina thickness, predicts sapling leaf lifespan and shade tolerance of tropical tree species. <i>New Phytologist</i> , 2010 , 186, 708-21	9.8	188
156	Beyond the regeneration phase: differentiation of height growth trajectories among tropical tree species. <i>Journal of Ecology</i> , 2005 , 93, 256-267	6	182
155	Successional changes in functional composition contrast for dry and wet tropical forest. <i>Ecology</i> , 2013 , 94, 1211-6	4.6	180
154	Carbohydrate storage and light requirements of tropical moist and dry forest tree species. <i>Ecology</i> , 2007 , 88, 1000-11	4.6	179
153	Linking functional diversity and social actor strategies in a framework for interdisciplinary analysis of nature's benefits to society. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 895-902	11.5	172
152	Are species adapted to their regeneration niche, adult niche, or both?. <i>American Naturalist</i> , 2007 , 169, 433-42	3.7	163
151	Biodiversity recovery of Neotropical secondary forests. <i>Science Advances</i> , 2019 , 5, eaau3114	14.3	161
150	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. <i>Global Change Biology</i> , 2017 , 23, 177-190	11.4	160
149	Functional traits determine trade-offs and niches in a tropical forest community. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20627-32	11.5	158

148	ARCHITECTURE OF 53 RAIN FOREST TREE SPECIES DIFFERING IN ADULT STATURE AND SHADE TOLERANCE. <i>Ecology</i> , 2003 , 84, 602-608	4.6	158
147	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019 , 25, 39-56	11.4	158
146	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015 , 6, 6857	17.4	157
145	The intermediate disturbance hypothesis applies to tropical forests, but disturbance contributes little to tree diversity. <i>Ecology Letters</i> , 2009 , 12, 798-805	10	152
144	Climate is a stronger driver of tree and forest growth rates than soil and disturbance. <i>Journal of Ecology</i> , 2011 , 99, 254-264	6	151
143	Resilience of Amazon forests emerges from plant trait diversity. <i>Nature Climate Change</i> , 2016 , 6, 1032-1036	10.3	142
142	Biomass is the main driver of changes in ecosystem process rates during tropical forest succession. <i>Ecology</i> , 2015 , 96, 1242-52	4.6	139
141	Ecosystem services research in Latin America: The state of the art. <i>Ecosystem Services</i> , 2012 , 2, 56-70	6.1	139
140	Environmental changes during secondary succession in a tropical dry forest in Mexico. <i>Journal of Tropical Ecology</i> , 2011 , 27, 477-489	1.3	135
139	Functional traits shape ontogenetic growth trajectories of rain forest tree species. <i>Journal of Ecology</i> , 2011 , 99, 1431-1440	6	134
138	Leaf traits and herbivory rates of tropical tree species differing in successional status. <i>Plant Biology</i> , 2004 , 6, 746-54	3.7	129
137	Leaf traits show different relationships with shade tolerance in moist versus dry tropical forests. <i>New Phytologist</i> , 2009 , 181, 890-900	9.8	124
136	Conservative species drive biomass productivity in tropical dry forests. <i>Journal of Ecology</i> , 2016 , 104, 817-827	6	123
135	Leaf and stem economics spectra drive diversity of functional plant traits in a dynamic global vegetation model. <i>Global Change Biology</i> , 2015 , 21, 2711-2725	11.4	111
134	Biodiversity and climate determine the functioning of Neotropical forests. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1423-1434	6.1	110
133	Phylogenetic classification of the world's tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1837-1842	11.5	107
132	Effects of disturbance intensity on species and functional diversity in a tropical forest. <i>Journal of Ecology</i> , 2012 , 100, 1453-1463	6	105
131	Light-dependent leaf trait variation in 43 tropical dry forest tree species. <i>American Journal of Botany</i> , 2007 , 94, 515-25	2.7	103

130	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. <i>Journal of Ecology</i> , 2015 , 103, 978-989	6	99
129	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. <i>Global Change Biology</i> , 2016 , 22, 3996-4013	11.4	99
128	Leaf economics traits predict litter decomposition of tropical plants and differ among land use types. <i>Functional Ecology</i> , 2011 , 25, 473-483	5.6	99
127	Distribution patterns of tropical woody species in response to climatic and edaphic gradients. <i>Journal of Ecology</i> , 2012 , 100, 253-263	6	98
126	The importance of biodiversity and dominance for multiple ecosystem functions in a human-modified tropical landscape. <i>Ecology</i> , 2016 , 97, 2772-2779	4.6	93
125	Light environment and tree strategies in a Bolivian tropical moist forest: an evaluation of the light partitioning hypothesis. <i>Plant Ecology</i> , 2003 , 166, 295-306	1.7	93
124	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020 , 368, 869-874	33.3	92
123	Seed-mass effects in four Mediterranean <i>Quercus</i> species (Fagaceae) growing in contrasting light environments. <i>American Journal of Botany</i> , 2007 , 94, 1795-803	2.7	92
122	Are functional traits good predictors of species performance in restoration plantings in tropical abandoned pastures?. <i>Forest Ecology and Management</i> , 2013 , 303, 35-45	3.9	91
121	Pathways, mechanisms and predictability of vegetation change during tropical dry forest succession. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2010 , 12, 267-275	3	91
120	BAAD: a Biomass And Allometry Database for woody plants. <i>Ecology</i> , 2015 , 96, 1445-1445	4.6	89
119	Leaf size and leaf display of thirty-eight tropical tree species. <i>Oecologia</i> , 2008 , 158, 35-46	2.9	88
118	Light-dependent changes in the relationship between seed mass and seedling traits: a meta-analysis for rain forest tree species. <i>Oecologia</i> , 2005 , 142, 378-87	2.9	87
117	Effects of seasonal drought on gap and understorey seedlings in a Bolivian moist forest. <i>Journal of Tropical Ecology</i> , 2000 , 16, 481-498	1.3	86
116	Amazonian rainforest tree mortality driven by climate and functional traits. <i>Nature Climate Change</i> , 2019 , 9, 384-388	21.4	84
115	Changing drivers of species dominance during tropical forest succession. <i>Functional Ecology</i> , 2014 , 28, 1052-1058	5.6	84
114	LEAF OPTICAL PROPERTIES ALONG A VERTICAL GRADIENT IN A TROPICAL RAIN FOREST CANOPY IN COSTA RICA. <i>American Journal of Botany</i> , 1995 , 82, 1257-1263	2.7	83
113	Abiotic and biotic drivers of biomass change in a Neotropical forest. <i>Journal of Ecology</i> , 2017 , 105, 1223-1234	62.34	80

112	Functional diversity changes during tropical forest succession. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2012 , 14, 89-96	3	80
111	Leaf adaptations of evergreen and deciduous trees of semi-arid and humid savannas on three continents. <i>Journal of Ecology</i> , 2013 , 101, 430-440	6	80
110	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information. <i>Geoscientific Model Development</i> , 2016 , 9, 2415-2440	6.3	79
109	Resprouting as a persistence strategy of tropical forest trees: relations with carbohydrate storage and shade tolerance. <i>Ecology</i> , 2010 , 91, 2613-27	4.6	77
108	Controls on coarse wood decay in temperate tree species: birth of the LOGLIFE experiment. <i>Ambio</i> , 2012 , 41 Suppl 3, 231-45	6.5	76
107	Wood density explains architectural differentiation across 145 co-occurring tropical tree species. <i>Functional Ecology</i> , 2012 , 26, 274-282	5.6	75
106	Regeneration of canopy tree species at five sites in West African moist forest. <i>Forest Ecology and Management</i> , 1996 , 84, 61-69	3.9	73
105	Legume abundance along successional and rainfall gradients in Neotropical forests. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1104-1111	12.3	71
104	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. <i>Nature Ecology and Evolution</i> , 2019 , 3, 928-934	12.3	70
103	Functional trait strategies of trees in dry and wet tropical forests are similar but differ in their consequences for succession. <i>PLoS ONE</i> , 2014 , 10, e0123741	3.7	69
102	Tree architecture and life-history strategies across 200 co-occurring tropical tree species. <i>Functional Ecology</i> , 2011 , 25, 1260-1268	5.6	69
101	Leaf optical properties in Venezuelan cloud forest trees. <i>Tree Physiology</i> , 2000 , 20, 519-526	4.2	69
100	Linking size-dependent growth and mortality with architectural traits across 145 co-occurring tropical tree species. <i>Ecology</i> , 2014 , 95, 353-63	4.6	68
99	Light environment, sapling architecture, and leaf display in six rain forest tree species. <i>American Journal of Botany</i> , 1999 , 86, 1464-1473	2.7	67
98	Soil Effects on Forest Structure and Diversity in a Moist and a Dry Tropical Forest. <i>Biotropica</i> , 2012 , 44, 276-283	2.3	65
97	Effects of wild ungulates on the regeneration, structure and functioning of temperate forests: A semi-quantitative review. <i>Forest Ecology and Management</i> , 2018 , 424, 406-419	3.9	64
96	Embolism resistance drives the distribution of Amazonian rainforest tree species along hydro-topographic gradients. <i>New Phytologist</i> , 2019 , 221, 1457-1465	9.8	62
95	Functional traits predict drought performance and distribution of Mediterranean woody species. <i>Acta Oecologica</i> , 2014 , 56, 10-18	1.7	60

94	The trait contribution to wood decomposition rates of 15 Neotropical tree species. <i>Ecology</i> , 2010 , 91, 3686-97	4.6	60
93	The relationships of wood-, gas- and water fractions of tree stems to performance and life history variation in tropical trees. <i>Annals of Botany</i> , 2008 , 102, 367-75	4.1	59
92	Soil fertility and species traits, but not diversity, drive productivity and biomass stocks in a Guyanese tropical rainforest. <i>Functional Ecology</i> , 2018 , 32, 461-474	5.6	57
91	Can traits predict individual growth performance? A test in a hyperdiverse tropical forest. <i>New Phytologist</i> , 2018 , 219, 109-121	9.8	57
90	Carbon uptake by mature Amazon forests has mitigated Amazon nations carbon emissions. <i>Carbon Balance and Management</i> , 2017 , 12, 1	3.6	56
89	Photosynthetic induction responses of two rainforest tree species in relation to light environment. <i>Oecologia</i> , 1993 , 96, 193-199	2.9	54
88	Architecture of Iberian canopy tree species in relation to wood density, shade tolerance and climate. <i>Plant Ecology</i> , 2012 , 213, 707-722	1.7	52
87	Gaps and Forest Zones in Tropical Moist Forest in Ivory Coast. <i>Biotropica</i> , 1993 , 25, 258	2.3	52
86	Effects of ENSO and temporal rainfall variation on the dynamics of successional communities in old-field succession of a tropical dry forest. <i>PLoS ONE</i> , 2013 , 8, e82040	3.7	50
85	Old-growth Neotropical forests are shifting in species and trait composition. <i>Ecological Monographs</i> , 2016 , 86, 228-243	9	49
84	Spatial distribution of gaps along three catenas in the moist forest of Taï National Park, Ivory Coast. <i>Journal of Tropical Ecology</i> , 1994 , 10, 385-398	1.3	48
83	Seasonal variation in soil and plant water potentials in a Bolivian tropical moist and dry forest. <i>Journal of Tropical Ecology</i> , 2010 , 26, 497-508	1.3	47
82	Sapling performance along resource gradients drives tree species distributions within and across tropical forests. <i>Ecology</i> , 2014 , 95, 2514-2525	4.6	46
81	Bark traits and life-history strategies of tropical dry- and moist forest trees. <i>Functional Ecology</i> , 2014 , 28, 232-242	5.6	46
80	Diversity of Tropical Tree Seedling Responses to Drought. <i>Biotropica</i> , 2007 , 39, 683-690	2.3	46
79	Seedling growth strategies in Bauhinia species: comparing lianas and trees. <i>Annals of Botany</i> , 2007 , 100, 831-8	4.1	46
78	Mechanical branch constraints contribute to life-history variation across tree species in a Bolivian forest. <i>Journal of Ecology</i> , 2006 , 94, 1192-1200	6	46
77	Estimating aboveground net biomass change for tropical and subtropical forests: Refinement of IPCC default rates using forest plot data. <i>Global Change Biology</i> , 2019 , 25, 3609-3624	11.4	44

76	Are lianas more drought-tolerant than trees? A test for the role of hydraulic architecture and other stem and leaf traits. <i>Oecologia</i> , 2013 , 172, 961-72	2.9	41
75	Plant Functional Traits and the Distribution of West African Rain Forest Trees along the Rainfall Gradient. <i>Biotropica</i> , 2011 , 43, 552-561	2.3	38
74	Patterns and Determinants of Floristic Variation across Lowland Forests of Bolivia. <i>Biotropica</i> , 2011 , 43, 405-413	2.3	37
73	Leaf vein length per unit area is not intrinsically dependent on image magnification: avoiding measurement artifacts for accuracy and precision. <i>Plant Physiology</i> , 2014 , 166, 829-38	6.6	35
72	Biodiversity in species, traits, and structure determines carbon stocks and uptake in tropical forests. <i>Biotropica</i> , 2017 , 49, 593-603	2.3	32
71	Leaf Optical Properties Along a Vertical Gradient in a Tropical Rain Forest Canopy in Costa Rica. <i>American Journal of Botany</i> , 1995 , 82, 1257	2.7	32
70	The potential of secondary forests. <i>Science</i> , 2015 , 348, 642-3	33.3	31
69	Relative growth rate variation of evergreen and deciduous savanna tree species is driven by different traits. <i>Annals of Botany</i> , 2014 , 114, 315-24	4.1	30
68	Does a ruderal strategy dominate the endemic flora of the West African forests?. <i>Journal of Biogeography</i> , 2007 , 34, 1100-1111	4.1	29
67	Resource capture and use by tropical forest tree seedlings and their consequences for competition 2005 , 35-64		29
66	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	29
65	Nutrient resorption is associated with leaf vein density and growth performance of dipterocarp tree species. <i>Journal of Ecology</i> , 2015 , 103, 541-549	6	28
64	Land-use intensification effects on functional properties in tropical plant communities. <i>Ecological Applications</i> , 2016 , 26, 174-89	4.9	28
63	Rainfall and temperature affect tree species distribution in Ghana. <i>Journal of Tropical Ecology</i> , 2014 , 30, 435-446	1.3	27
62	Ecological impact of <i>Prosopis</i> species invasion in Turkwel riverine forest, Kenya. <i>Journal of Arid Environments</i> , 2013 , 92, 89-97	2.5	27
61	Is spatial structure the key to promote plant diversity in Mediterranean forest plantations?. <i>Basic and Applied Ecology</i> , 2011 , 12, 251-259	3.2	27
60	Maximum size distributions in tropical forest communities: relationships with rainfall and disturbance. <i>Journal of Ecology</i> , 2008 , 96, 495-504	6	26
59	Long-term effects of wild ungulates on the structure, composition and succession of temperate forests. <i>Forest Ecology and Management</i> , 2019 , 432, 478-488	3.9	25

58	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. <i>Ecology</i> , 2020 , 101, e03052	4.6	24
57	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020 , 11, 5515	17.4	24
56	The hydraulic efficiency-safety trade-off differs between lianas and trees. <i>Ecology</i> , 2019 , 100, e02666	4.6	23
55	Disturbance intensity is a stronger driver of biomass recovery than remaining tree-community attributes in a managed Amazonian forest. <i>Journal of Applied Ecology</i> , 2018 , 55, 1647-1657	5.8	23
54	Climate and soil drive forest structure in Bolivian lowland forests. <i>Journal of Tropical Ecology</i> , 2011 , 27, 333-345	1.3	23
53	Multidimensional tropical forest recovery. <i>Science</i> , 2021 , 374, 1370-1376	33.3	23
52	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1495-1514	6.1	21
51	Relationships between leaf mass per area and nutrient concentrations in 98 Mediterranean woody species are determined by phylogeny, habitat and leaf habit. <i>Trees - Structure and Function</i> , 2018 , 32, 497-510	2.6	21
50	The effects of drought and shade on the performance, morphology and physiology of Ghanaian tree species. <i>PLoS ONE</i> , 2015 , 10, e0121004	3.7	19
49	Photosynthetic thermotolerance of woody savanna species in China is correlated with leaf life span. <i>Annals of Botany</i> , 2012 , 110, 1027-33	4.1	19
48	A monocarpic tree species in a polycarpic world: how can <i>Tachigali vasquezii</i> maintain itself so successfully in a tropical rain forest community?. <i>Journal of Ecology</i> , 2005 , 93, 268-278	6	19
47	Demographic drivers of functional composition dynamics. <i>Ecology</i> , 2017 , 98, 2743-2750	4.6	18
46	Faunal community consequence of interspecific bark trait dissimilarity in early-stage decomposing logs. <i>Functional Ecology</i> , 2016 , 30, 1957-1966	5.6	18
45	A 7000-year history of changing plant trait composition in an Amazonian landscape; the role of humans and climate. <i>Ecology Letters</i> , 2019 , 22, 925-935	10	17
44	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1754-1761	12.3	17
43	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021 , 260, 108849	6.2	15
42	Trait divergence and habitat specialization in tropical floodplain forests trees. <i>PLoS ONE</i> , 2019 , 14, e0213232	3.7	14
41	Is there a tree economics spectrum of decomposability?. <i>Soil Biology and Biochemistry</i> , 2018 , 119, 135-142	7.5	14

40	Amazonian Dark Earth Shapes the Understory Plant Community in a Bolivian Forest. <i>Biotropica</i> , 2015 , 47, 152-161	2.3	14
39	Productive leaf functional traits of Chinese savanna species. <i>Plant Ecology</i> , 2012 , 213, 1449-1460	1.7	14
38	Cattle affect regeneration of the palm species <i>Attalea princeps</i> in a Bolivian forest-savanna mosaic. <i>Biotropica</i> , 2019 , 51, 28-38	2.3	11
37	Assessing the reliability of predicted plant trait distributions at the global scale. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1034-1051	6.1	11
36	Liana species decline in Congo basin contrasts with global patterns. <i>Ecology</i> , 2020 , 101, e03004	4.6	11
35	Rainfall seasonality and drought performance shape the distribution of tropical tree species in Ghana. <i>Ecology and Evolution</i> , 2018 , 8, 8582-8597	2.8	11
34	Monodominance of <i>Parashorea chinensis</i> on fertile soils in a Chinese tropical rain forest. <i>Journal of Tropical Ecology</i> , 2014 , 30, 311-322	1.3	10
33	Predicting <i>Acacia</i> invasive success in South Africa on the basis of functional traits, native climatic niche and human use. <i>Biodiversity and Conservation</i> , 2011 , 20, 2729-2743	3.4	10
32	The integration of empirical, remote sensing and modelling approaches enhances insight in the role of biodiversity in climate change mitigation by tropical forests. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 26-27, 69-76	7.2	9
31	Forest structure drives changes in light heterogeneity during tropical secondary forest succession. <i>Journal of Ecology</i> , 2021 , 109, 2871-2884	6	9
30	Unleached <i>Prosopis</i> litter inhibits germination but leached stimulates seedling growth of dry woodland species. <i>Journal of Arid Environments</i> , 2017 , 138, 44-50	2.5	8
29	Testing for functional convergence of temperate rainforest tree assemblages in Chile and New Zealand. <i>New Zealand Journal of Botany</i> , 2016 , 54, 175-203	1	8
28	Near-infrared spectrometry allows fast and extensive predictions of functional traits from dry leaves and branches 2018 , 28, 1157-1167		8
27	Structure and composition of the liana assemblage of a mixed rain forest in the Congo Basin. <i>Plant Ecology and Evolution</i> , 2015 , 148, 29-42	1.6	7
26	Above- and Below-ground Cascading Effects of Wild Ungulates in Temperate Forests. <i>Ecosystems</i> , 2021 , 24, 153-167	3.9	7
25	Effects of Amazonian Dark Earths on growth and leaf nutrient balance of tropical tree seedlings. <i>Plant and Soil</i> , 2015 , 396, 241-255	4.2	6
24	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
23	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , 2021 , 30, 459-475	6.1	6

22	Aboveground forest biomass varies across continents, ecological zones and successional stages: refined IPCC default values for tropical and subtropical forests. <i>Environmental Research Letters</i> , 2022 , 17, 014047	6.2	5
21	Methodology matters for comparing coarse wood and bark decay rates across tree species. <i>Methods in Ecology and Evolution</i> , 2020 , 11, 828-838	7.7	4
20	Functional recovery of secondary tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
19	LEAF TRAITS ARE GOOD PREDICTORS OF PLANT PERFORMANCE ACROSS 53 RAIN FOREST SPECIES 2006 , 87, 1733		4
18	Dead wood diversity promotes fungal diversity. <i>Oikos</i> , 2021 , 130, 2202	4	4
17	Fauna Community Convergence During Decomposition of Deadwood Across Tree Species and Forests. <i>Ecosystems</i> , 2020 , 24, 926	3.9	4
16	Lianas have more acquisitive traits than trees in a dry but not in a wet forest. <i>Journal of Ecology</i> , 2021 , 109, 2367-2384	6	4
15	Functional traits shape size-dependent growth and mortality rates of dry forest tree species. <i>Journal of Plant Ecology</i> , 2016 , rtw103	1.7	4
14	Small and slow is safe: On the drought tolerance of tropical tree species.. <i>Global Change Biology</i> , 2022 ,	11.4	3
13	Scaling relationships among functional traits are similar across individuals, species, and communities. <i>Journal of Vegetation Science</i> , 2020 , 31, 571-580	3.1	3
12	Edaphic characteristics drive functional traits distribution in Amazonian floodplain forests. <i>Plant Ecology</i> , 2021 , 222, 349-360	1.7	3
11	Temperate forests respond in a non-linear way to a population gradient of wild deer. <i>Forestry</i> , 2021 , 94, 502-511	2.2	3
10	Driving factors of forest growth: a reply to Ferry et al. (2012). <i>Journal of Ecology</i> , 2012 , 100, 1069-1073	6	2
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