Oliver L Phillips

List of Publications by Year
in descending order

317	52,329	2427	1634
papers	citations	97 h-index	215 g-index

353	353	353	37064
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extinction risk from climate change. Nature, 2004, 427, 145-148.	27.8	5,985
2	A Large and Persistent Carbon Sink in the Worldâ€™s Forests. Science, 2011, 333, 988-993.	12.6	5,393
3	TRY â€“ a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	9.5	2,002
4	Drought Sensitivity of the Amazon Rainforest. Science, 2009, 323, 1344-1347.	12.6	1,443
5	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
6	The 2010 Amazon Drought. Science, 2011, 331, 554-554.	12.6	912
7	Hyperdominance in the Amazonian Tree Flora. Science, 2013, 342, 1243092.	12.6	873
8	Increasing carbon storage in intact African tropical forests. Nature, 2009, 457, 1003-1006.	27.8	816
9	Long-term decline of the Amazon carbon sink. Nature, 2015, 519, 344-348.	27.8	796
10	Changes in the Carbon Balance of Tropical Forests: Evidence from Long-Term Plots. , 1998, 282, 439-442.		724
11	Variation in wood density determines spatial patterns inAmazonian forest biomass. Global Change Biology, 2004, 10, 545-562.	9.5	633
12	The useful plants of Tambopata, Peru: I. Statistical hypotheses tests with a new quantitative technique. Economic Botany, 1993, 47, 15-32.	1.7	632
13	The Structure, Distribution, and Biomass of the World's Forests. Annual Review of Ecology, Evolution, and Systematics, 2013, 44, 593-622.	8.3	616
14	Continental-scale patterns of canopy tree composition and function across Amazonia. Nature, 2006, 443, 444-447.	27.8	593
15	Increasing dominance of large lianas in Amazonian forests. Nature, 2002, 418, 770-774.	27.8	500
16	The regional variation of aboveground live biomass in old-growth Amazonian forests. Global Change Biology, 2006, 12, 1107-1138.	9.5	497
17	Droughtâ€“mortality relationships for tropical forests. New Phytologist, 2010, 187, 631-646.	7.3	487
18	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. Biogeosciences, 2012, 9, 2203-2246.	3.3	487

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19	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. Nature Communications, 2018, 9, 536.	12.8	485
20	An integrated panâ€tropical biomass map using multiple reference datasets. Global Change Biology, 2016, 22, 1406-1420.	9.5	469
21	Drought impact on forest carbon dynamics and fluxes in Amazonia. Nature, 2015, 519, 78-82.	27.8	464
22	Increasing Turnover Through Time in Tropical Forests. Science, 1994, 263, 954-958.	12.6	453
23	Drought and ecosystem carbon cycling. Agricultural and Forest Meteorology, 2011, 151, 765-773.	4.8	446
24	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. Science, 2017, 355, 925-931.	12.6	443
25	Asynchronous carbon sink saturation in African and Amazonian tropical forests. Nature, 2020, 579, 80-87.	27.8	439
26	The above-ground coarse wood productivity of 104 Neotropical forest plots. Global Change Biology, 2004, 10, 563-591.	9.5	436
27	Increasing biomass in Amazonian forest plots. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 353-365.	4.0	405
28	Drought sensitivity of Amazonian carbon balance revealed by atmospheric measurements. Nature, 2014, 506, 76-80.	27.8	398
29	Global traitâ€“environment relationships of plant communities. Nature Ecology and Evolution, 2018, 2, 1906-1917.	7.8	397
30	Height-diameter allometry of tropical forest trees. Biogeosciences, 2011, 8, 1081-1106.	3.3	396
31	Species Loss and Aboveground Carbon Storage in a Tropical Forest. Science, 2005, 310, 1029-1031.	12.6	390
32	Dynamics and species richness of tropical rain forests.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 2805-2809.	7.1	381
33	Tree height integrated into pantropical forest biomass estimates. Biogeosciences, 2012, 9, 3381-3403.	3.3	373
34	Quantitative Ethnobotany and Amazonian Conservation. Conservation Biology, 1994, 8, 225-248.	4.7	371
35	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. Nature, 2019, 569, 404-408.	27.8	371
36	Pattern and process in Amazon tree turnover, 1976â€“2001. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 381-407.	4.0	370

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37	The useful plants of Tambopata, Peru: II. Additional hypothesis testing in quantitative ethnobotany. Economic Botany, 1993, 47, 33-43.	1.7	359
38	Simulated resilience of tropical rainforests to CO2-induced climate change. Nature Geoscience, 2013, 6, 268-273.	12.9	358
39	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. New Phytologist, 2015, 206, 614-636.	7.3	350
40	A spatial model of tree Î±-diversity and tree density for the Amazon. Biodiversity and Conservation, 2003, 12, 2255-2277.	2.6	348
41	Drivers and mechanisms of tree mortality in moist tropical forests. New Phytologist, 2018, 219, 851-869.	7.3	341
42	Basin-wide variations in foliar properties of Amazonian forest: phylogeny, soils and climate. Biogeosciences, 2009, 6, 2677-2708.	3.3	295
43	Effect of 7 yr of experimental drought on vegetation dynamics and biomass storage of an eastern Amazonian rainforest. New Phytologist, 2010, 187, 579-591.	7.3	293
44	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). Journal of Vegetation Science, 2002, 13, 439-450.	2.2	285
45	Intensification of the Amazon hydrological cycle over the last two decades. Geophysical Research Letters, 2013, 40, 1729-1733.	4.0	284
46	Habitat association among Amazonian tree species: a landscape-scale approach. Journal of Ecology, 2003, 91, 757-775.	4.0	276
47	Compositional response of Amazon forests to climate change. Global Change Biology, 2019, 25, 39-56.	9.5	265
48	Above-ground biomass and structure of 260 African tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120295.	4.0	264
49	The high value of logged tropical forests: lessons from northern Borneo. Biodiversity and Conservation, 2010, 19, 985-997.	2.6	253
50	Diversity and carbon storage across the tropical forest biome. Scientific Reports, 2017, 7, 39102.	3.3	251
51	Concerted changes in tropical forest structure and dynamics: evidence from 50 South American long-term plots. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 421-436.	4.0	250
52	Regional and seasonal patterns of litterfall in tropical South America. Biogeosciences, 2010, 7, 43-55.	3.3	250
53	Markedly divergent estimates of <scp>A</scp>mazon forest carbon density from ground plots and satellites. Global Ecology and Biogeography, 2014, 23, 935-946.	5.8	248
54	The biogeography and filtering of woody plant functional diversity in North and South America. Global Ecology and Biogeography, 2012, 21, 798-808.	5.8	235

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55	Prediction of neotropical tree and liana species richness from soil and climatic data. Biodiversity and Conservation, 1995, 4, 56-90.	2.6	234
56	Detecting trends in tree growth: not so simple. Trends in Plant Science, 2013, 18, 11-17.	8.8	222
57	Above- and below-ground net primary productivity across ten Amazonian forests on contrasting soils. Biogeosciences, 2009, 6, 2759-2778.	3.3	221
58	Topography shapes the structure, composition and function of tropical forest landscapes. Ecology Letters, 2018, 21, 989-1000.	6.4	215
59	Hyperdominance in Amazonian forest carbon cycling. Nature Communications, 2015, 6, 6857.	12.8	214
60	Fingerprinting the impacts of global change on tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 437-462.	4.0	213
61	Environmental change and the carbon balance of <scp>A</scp>mazonian forests. Biological Reviews, 2014, 89, 913-931.	10.4	208
62	Amazon forest response to repeated droughts. Global Biogeochemical Cycles, 2016, 30, 964-982.	4.9	201
63	Long-term thermal sensitivity of Earthâ€™s tropical forests. Science, 2020, 368, 869-874.	12.6	198
64	Variation in above-ground forest biomass across broad climatic gradients. Global Ecology and Biogeography, 2011, 20, 744-754.	5.8	195
65	The changing Amazon forest. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1819-1827.	4.0	188
66	What controls tropical forest architecture? Testing environmental, structural and floristic drivers. Global Ecology and Biogeography, 2012, 21, 1179-1190.	5.8	187
67	The global relationship between forest productivity and biomass. Global Ecology and Biogeography, 2007, 16, 618-631.	5.8	186
68	sPlot â€“ A new tool for global vegetation analyses. Journal of Vegetation Science, 2019, 30, 161-186.	2.2	185
69	Tropical forest tree mortality, recruitment and turnover rates: calculation, interpretation and comparison when census intervals vary. Journal of Ecology, 2004, 92, 929-944.	4.0	181
70	Remote sensing detection of droughts in Amazonian forest canopies. New Phytologist, 2010, 187, 733-750.	7.3	174
71	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. Nature Communications, 2014, 5, 3434.	12.8	169
72	Geological control of floristic composition in Amazonian forests. Journal of Biogeography, 2011, 38, 2136-2149.	3.0	167

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73	Ecosystem heterogeneity determines the ecological resilience of the Amazon to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 793-797.	7.1	161
74	ForestPlots.net: a web application and research tool to manage and analyse tropical forest plot data. Journal of Vegetation Science, 2011, 22, 610-613.	2.2	157
75	The importance of crown dimensions to improve tropical tree biomass estimates. Ecological Applications, 2014, 24, 680-698.	3.8	156
76	LARGE LIANAS AS HYPERDYNAMIC ELEMENTS OF THE TROPICAL FOREST CANOPY. Ecology, 2005, 86, 1250-1258.	3.2	154
77	CHANGES IN GROWTH OF TROPICAL FORESTS: EVALUATING POTENTIAL BIASES. , 2002, 12, 576-587.		148
78	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. Global Change Biology, 2015, 21, 2283-2295.	9.5	146
79	Growth and wood density predict tree mortality in Amazon forests. Journal of Ecology, 2008, 96, 281-292.	4.0	144
80	Seasonal drought limits tree species across the Neotropics. Ecography, 2017, 40, 618-629.	4.5	143
81	Area-based vs tree-centric approaches to mapping forest carbon in Southeast Asian forests from airborne laser scanning data. Remote Sensing of Environment, 2017, 194, 77-88.	11.0	142
82	Using the Uâ€net convolutional network to map forest types and disturbance in the Atlantic rainforest with very high resolution images. Remote Sensing in Ecology and Conservation, 2019, 5, 360-375.	4.3	134
83	Local values for harvested forest plants in Madre de Dios, Peru: Towards a more contextualised interpretation of quantitative ethnobotanical data. Biodiversity and Conservation, 2005, 14, 45-79.	2.6	131
84	The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. New Phytologist, 2017, 214, 1019-1032.	7.3	126
85	Efficient plot-based floristic assessment of tropical forests. Journal of Tropical Ecology, 2003, 19, 629-645.	1.1	122
86	Estimating the global conservation status of more than 15,000 Amazonian tree species. Science Advances, 2015, 1, e1500936.	10.3	122
87	Tropical forests and global atmospheric change: a synthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 549-555.	4.0	119
88	SAR tomography for the retrieval of forest biomass and height: Cross-validation at two tropical forest sites in French Guiana. Remote Sensing of Environment, 2016, 175, 138-147.	11.0	118
89	Variation in stem mortality rates determines patterns of aboveâ€ground biomass in <scp>A</scp>mazonian forests: implications for dynamic global vegetation models. Global Change Biology, 2016, 22, 3996-4013.	9.5	116
90	Long-term carbon sink in Borneoâ€™s forests halted by drought and vulnerable to edge effects. Nature Communications, 2017, 8, 1966.	12.8	116

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91	The odd man out? Might climate explain the lower tree Î±â€diversity of African rain forests relative to Amazonian rain forests?. Journal of Ecology, 2007, 95, 1058-1071.	4.0	115
92	Amazon palm biomass and allometry. Forest Ecology and Management, 2013, 310, 994-1004.	3.2	114
93	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. Scientific Reports, 2018, 8, 1003.	3.3	113
94	Aboveground biomass density models for NASAâ€™s Global Ecosystem Dynamics Investigation (GEDI) lidar mission. Remote Sensing of Environment, 2022, 270, 112845.	11.0	108
95	Recent Amazon climate as background for possible ongoing and future changes of Amazon humid forests. Global Biogeochemical Cycles, 2015, 29, 1384-1399.	4.9	107
96	The Importance of Consistent Global Forest Aboveground Biomass Product Validation. Surveys in Geophysics, 2019, 40, 979-999.	4.6	106
97	On the delineation of tropical vegetation types with an emphasis on forest/savanna transitions. Plant Ecology and Diversity, 2013, 6, 101-137.	2.4	105
98	The impact of global climate change on tropical forest biodiversity in Amazonia. Global Ecology and Biogeography, 2004, 13, 553-565.	5.8	104
99	Residence times of woody biomass in tropical forests. Plant Ecology and Diversity, 2013, 6, 139-157.	2.4	104
100	Long-term environmental change in tropical forests: increasing tree turnover. Environmental Conservation, 1996, 23, 235-248.	1.3	100
101	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. Ecology Letters, 2017, 20, 730-740.	6.4	100
102	Liana Impacts on Carbon Cycling, Storage and Sequestration in Tropical Forests. Biotropica, 2013, 45, 682-692.	1.6	98
103	Carbon uptake by mature Amazon forests has mitigated Amazon nationsâ€™ carbon emissions. Carbon Balance and Management, 2017, 12, 1.	3.2	98
104	Disequilibrium and hyperdynamic tree turnover at the forestâ€“cerrado transition zone in southern Amazonia. Plant Ecology and Diversity, 2014, 7, 281-292.	2.4	97
105	Variation in potential for isoprene emissions among Neotropical forest sites. Global Change Biology, 2004, 10, 630-650.	9.5	96
106	The RAINFOR database: monitoring forest biomass and dynamics. Journal of Vegetation Science, 2007, 18, 535-542.	2.2	94
107	Using repeated small-footprint LiDAR acquisitions to infer spatial and temporal variations of a high-biomass Neotropical forest. Remote Sensing of Environment, 2015, 169, 93-101.	11.0	92
108	Differences in leaf thermoregulation and water use strategies between three coâ€occurring Atlantic forest tree species. Plant, Cell and Environment, 2018, 41, 1618-1631.	5.7	92

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109	Individual tree crown delineation in a highly diverse tropical forest using very high resolution satellite images. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 362-377.	11.1	91
110	Ground Data are Essential for Biomass Remote Sensing Missions. Surveys in Geophysics, 2019, 40, 863-880.	4.6	91
111	Leafâ€level photosynthetic capacity in lowland Amazonian and highâ€elevation Andean tropical moist forests of Peru. New Phytologist, 2017, 214, 1002-1018.	7.3	89
112	Low stocks of coarse woody debris in a southwest Amazonian forest. Oecologia, 2007, 152, 495-504.	2.0	87
113	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). Geoscientific Model Development, 2014, 7, 1251-1269.	3.6	87
114	Fires increase Amazon forest productivity through increases in diffuse radiation. Geophysical Research Letters, 2015, 42, 4654-4662.	4.0	87
115	The number of tree species on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	86
116	Liana infestation impacts tree growth in a lowland tropical moist forest. Biogeosciences, 2009, 6, 2217-2226.	3.3	85
117	Branch xylem density variations across the Amazon Basin. Biogeosciences, 2009, 6, 545-568.	3.3	84
118	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. Biota Neotropica, 2008, 8, 21-29.	1.0	82
119	The productivity, metabolism and carbon cycle of two lowland tropical forest plots in south-western Amazonia, Peru. Plant Ecology and Diversity, 2014, 7, 85-105.	2.4	82
120	What controls liana success in Neotropical forests?. Global Ecology and Biogeography, 2008, 17, 372-383.	5.8	81
121	Do species traits determine patterns of wood production in Amazonian forests?. Biogeosciences, 2009, 6, 297-307.	3.3	81
122	A comparison of fineâ€scale distribution patterns of four plant groups in an Amazonian rainforest. Ecography, 2000, 23, 349-359.	4.5	80
123	The carbon balance of South America: a review of the status, decadal trends and main determinants. Biogeosciences, 2012, 9, 5407-5430.	3.3	78
124	Field methods for sampling tree height for tropical forest biomass estimation. Methods in Ecology and Evolution, 2018, 9, 1179-1189.	5.2	78
125	Panâ€tropical prediction of forest structure from the largest trees. Global Ecology and Biogeography, 2018, 27, 1366-1383.	5.8	78
126	Estimating aboveground net biomass change for tropical and subtropical forests: Refinement of IPCC default rates using forest plot data. Global Change Biology, 2019, 25, 3609-3624.	9.5	78

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127	Tree Community Change across 700 km of Lowland Amazonian Forest from the Andean Foothills to Brazil. Biotropica, 2008, 40, 525-535.	1.6	77
128	Tropical forest wood production: a crossâ€continental comparison. Journal of Ecology, 2014, 102, 1025-1037.	4.0	77
129	Methods to estimate aboveground wood productivity from long-term forest inventory plots. Forest Ecology and Management, 2014, 320, 30-38.	3.2	75
130	Drier tropical forests are susceptible to functional changes in response to a longâ€term drought. Ecology Letters, 2019, 22, 855-865.	6.4	75
131	Does the disturbance hypothesis explain the biomass increase in basinâ€wide Amazon forest plot data?. Global Change Biology, 2009, 15, 2418-2430.	9.5	74
132	Tropical tree mortality has increased with rising atmospheric water stress. Nature, 2022, 608, 528-533.	27.8	74
133	The changing ecology of tropical forests. Biodiversity and Conservation, 1997, 6, 291-311.	2.6	72
134	Phylogenetic diversity of Amazonian tree communities. Diversity and Distributions, 2015, 21, 1295-1307.	4.1	72
135	Variations in Amazon forest productivity correlated with foliar nutrients and modelled rates of photosynthetic carbon supply. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3316-3329.	4.0	71
136	Evidence for arrested succession in a lianaâ€infested Amazonian forest. Journal of Ecology, 2016, 104, 149-159.	4.0	71
137	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. Biological Conservation, 2021, 260, 108849.	4.1	71
138	Forest biomass density across large climate gradients in northern South America is related to water availability but not with temperature. PLoS ONE, 2017, 12, e0171072.	2.5	67
139	Global species-energy relationship in forest plots: role of abundance, temperature and species climatic tolerances. Global Ecology and Biogeography, 2011, 20, 842-856.	5.8	65
140	High aboveground carbon stock of African tropical montane forests. Nature, 2021, 596, 536-542.	27.8	65
141	Infestation of trees by lianas in a tropical forest in Amazonian Peru. Journal of Vegetation Science, 2008, 19, 747-756.	2.2	63
142	How do trees die? Mode of death in northern Amazonia. Journal of Vegetation Science, 2009, 20, 260-268.	2.2	63
143	Fast demographic traits promote high diversification rates of Amazonian trees. Ecology Letters, 2014, 17, 527-536.	6.4	63
144	Structural, physiognomic and above-ground biomass variation in savannaâ€“forest transition zones on three continents â€“ how different are co-occurring savanna and forest formations?. Biogeosciences, 2015, 12, 2927-2951.	3.3	63

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145	Extensive 21stâ€Century Woody Encroachment in South America's Savanna. Geophysical Research Letters, 2019, 46, 6594-6603.	4.0	62
146	Tree mode of death and mortality risk factors across Amazon forests. Nature Communications, 2020, 11, 5515.	12.8	62
147	The global abundance of tree palms. Global Ecology and Biogeography, 2020, 29, 1495-1514.	5.8	62
148	Disentangling regional and local tree diversity in the Amazon. Ecography, 2009, 32, 46-54.	4.5	61
149	Long-term droughts may drive drier tropical forests towards increased functional, taxonomic and phylogenetic homogeneity. Nature Communications, 2020, 11, 3346.	12.8	61
150	Non-structural carbohydrates mediate seasonal water stress across Amazon forests. Nature Communications, 2021, 12, 2310.	12.8	59
151	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. Ecology, 2020, 101, e03052.	3.2	57
152	Edaphic, structural and physiological contrasts across Amazon Basin forestâ€“savanna ecotones suggest a role for potassium as a key modulator of tropical woody vegetation structure and function. Biogeosciences, 2015, 12, 6529-6571.	3.3	55
153	Retention of deposited ammonium and nitrate and its impact on the global forest carbon sink. Nature Communications, 2022, 13, 880.	12.8	55
154	Species Matter: Wood Density Influences Tropical Forest Biomass at Multiple Scales. Surveys in Geophysics, 2019, 40, 913-935.	4.6	54
155	Latitudinal patterns of range size and species richness of New World woody plants. Global Ecology and Biogeography, 2007, 16, 679-688.	5.8	53
156	Wood density and stocks of coarse woody debris in a northwestern Amazonian landscape. Canadian Journal of Forest Research, 2008, 38, 795-805.	1.7	53
157	Biased-corrected richness estimates for the Amazonian tree flora. Scientific Reports, 2020, 10, 10130.	3.3	53
158	Impacts of selective logging on tree diversity across a rainforest landscape: the importance of spatial scale. Landscape Ecology, 2008, 23, 915.	4.2	52
159	Land cover change and carbon emissions over 100Âyears in an <scp>A</scp>frican biodiversity hotspot. Global Change Biology, 2016, 22, 2787-2800.	9.5	52
160	Low Phylogenetic Beta Diversity and Geographic Neoâ€endemism in Amazonian Whiteâ€sand Forests. Biotropica, 2016, 48, 34-46.	1.6	52
161	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. Trends in Ecology and Evolution, 2017, 32, 258-267.	8.7	52
162	The potential for harvesting fruits in tropical rainforests: new data from Amazonian Peru. Biodiversity and Conservation, 1993, 2, 18-38.	2.6	51

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163	Biogeographic distributions of neotropical trees reflect their directly measured drought tolerances. Scientific Reports, 2017, 7, 8334.	3.3	51
164	New views on an old forest: assessing the longevity, resilience and future of the Amazon rainforest. Transactions of the Institute of British Geographers, 2005, 30, 477-499.	2.9	50
165	After trees die: quantities and determinants of necromass across Amazonia. Biogeosciences, 2009, 6, 1615-1626.	3.3	50
166	Floristics and biogeography of vegetation in seasonally dry tropical regions. International Forestry Review, 2015, 17, 10-32.	0.6	50
167	A calibration method for the crown illumination index for assessing forest light environments. Forest Ecology and Management, 2007, 242, 431-437.	3.2	49
168	Multi-scale comparisons of tree composition in Amazonian terra firme forests. Biogeosciences, 2009, 6, 2719-2731.	3.3	49
169	sPlotOpen â€“ An environmentally balanced, openâ€access, global dataset of vegetation plots. Global Ecology and Biogeography, 2021, 30, 1740-1764.	5.8	49
170	A comprehensive framework for assessing the accuracy and uncertainty of global above-ground biomass maps. Remote Sensing of Environment, 2022, 272, 112917.	11.0	48
171	Allpahuayo: Floristics, Structure, and Dynamics of a High-Diversity Forest in Amazonian Peru. Annals of the Missouri Botanical Garden, 2000, 87, 499.	1.3	47
172	Uncertainty in predictions of extinction risk/Effects of changes in climate and land use/Climate change and extinction risk (reply). Nature, 2004, 430, 34-34.	27.8	47
173	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. Biogeosciences, 2018, 15, 3811-3830.	3.3	47
174	Coordination of physiological and structural traits in Amazon forest trees. Biogeosciences, 2012, 9, 775-801.	3.3	45
175	Soil physical conditions limit palm and tree basal area in Amazonian forests. Plant Ecology and Diversity, 2014, 7, 215-229.	2.4	45
176	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. Scientific Data, 2019, 6, 198.	5.3	44
177	Basin-wide variations in Amazon forest nitrogen-cycling characteristics as inferred from plant and soil¹⁵N:¹⁴N measurements. Plant Ecology and Diversity, 2014, 7, 173-187.	2.4	43
178	Evolutionary heritage influences Amazon tree ecology. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161587.	2.6	43
179	Species Richness, Tropical Forest Dynamics, and Sampling: Response to Sheil. Oikos, 1997, 79, 183.	2.7	42
180	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. Biological Conservation, 2021, 253, 108889.	4.1	42

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181	ENSO Drives interannual variation of forest woody growth across the tropics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170410.	4.0	41
182	The persistence of carbon in the African forest understory. Nature Plants, 2019, 5, 133-140.	9.3	41
183	Forest turnover, diversity and CO2. Trends in Ecology and Evolution, 1997, 12, 404.	8.7	40
184	Influence of landscape heterogeneity on spatial patterns of wood productivity, wood specific density and above ground biomass in Amazonia. Biogeosciences, 2009, 6, 1883-1902.	3.3	40
185	Effects of long-term increased N deposition on tropical montane forest soil N2 and N2O emissions. Soil Biology and Biochemistry, 2018, 126, 194-203.	8.8	40
186	Environmental effects on Neotropical liana species richness. Journal of Biogeography, 2009, 36, 1561-1572.	3.0	39
187	Using learning networks to understand complex systems: a case study of biological, geophysical and social research in the Amazon. Biological Reviews, 2011, 86, 457-474.	10.4	39
188	Evaluating the tropical forest carbon sink. Global Change Biology, 2014, 20, 2039-2041.	9.5	39
189	The sensitivity of wood production to seasonal and interannual variations in climate in a lowland Amazonian rainforest. Oecologia, 2014, 174, 295-306.	2.0	38
190	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. Remote Sensing of Environment, 2021, 252, 112122.	11.0	38
191	Large-Scale Patterns of Turnover and Basal Area Change in Andean Forests. PLoS ONE, 2015, 10, e0126594.	2.5	38
192	Resistance of African tropical forests to an extreme climate anomaly. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	37
193	Alien and native plants show contrasting responses to climate and land use in Europe. Global Ecology and Biogeography, 2011, 20, 367-379.	5.8	36
194	Tree diversity and above-ground biomass in the South America Cerrado biome and their conservation implications. Biodiversity and Conservation, 2020, 29, 1519-1536.	2.6	36
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