Yadvinder Malhi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4072988/publications.pdf

Version: 2024-02-01

364 papers	46,912 citations	1368 108 h-index	2323 199 g-index
382 all docs	382 docs citations	382 times ranked	32468 citing authors

#	Article	IF	Citations
1	Drought Sensitivity of the Amazon Rainforest. Science, 2009, 323, 1344-1347.	6.0	1,443
2	Climate Change, Deforestation, and the Fate of the Amazon. Science, 2008, 319, 169-172.	6.0	1,383
3	Hyperdominance in the Amazonian Tree Flora. Science, 2013, 342, 1243092.	6.0	873
4	CO₂ balance of boreal, temperate, and tropical forests derived from a global database. Global Change Biology, 2007, 13, 2509-2537.	4.2	863
5	Increasing carbon storage in intact African tropical forests. Nature, 2009, 457, 1003-1006.	13.7	816
6	Long-term decline of the Amazon carbon sink. Nature, 2015, 519, 344-348.	13.7	796
7	Exploring the likelihood and mechanism of a climate-change-induced dieback of the Amazon rainforest. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20610-20615.	3.3	751
8	Collapse of the worldâ€™s largest herbivores. Science Advances, 2015, 1, e1400103.	4.7	750
9	Changes in the Carbon Balance of Tropical Forests: Evidence from Long-Term Plots. , 1998, 282, 439-442.		724
10	The carbon balance of tropical, temperate and boreal forests. Plant, Cell and Environment, 1999, 22, 715-740.	2.8	696
11	Variation in wood density determines spatial patterns inAmazonian forest biomass. Global Change Biology, 2004, 10, 545-562.	4.2	633
12	Identification of 100 fundamental ecological questions. Journal of Ecology, 2013, 101, 58-67.	1.9	605
13	Spatial patterns and recent trends in the climate of tropical rainforest regions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 311-329.	1.8	588
14	The regional variation of aboveground live biomass in old-growth Amazonian forests. Global Change Biology, 2006, 12, 1107-1138.	4.2	497
15	Droughtâ€“mortality relationships for tropical forests. New Phytologist, 2010, 187, 631-646.	3.5	487
16	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. Biogeosciences, 2012, 9, 2203-2246.	1.3	487
17	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. Nature Communications, 2018, 9, 536.	5.8	485
18	A Re-Evaluation of Long-Term Flux Measurement Techniques Part I: Averaging and Coordinate Rotation. Boundary-Layer Meteorology, 2003, 107, 1-48.	1.2	484

#	Article	IF	Citations
19	Death from drought in tropical forests is triggered by hydraulics not carbon starvation. Nature, 2015, 528, 119-122.	13.7	482
20	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	4.2	473
21	An integrated panâ€tropical biomass map using multiple reference datasets. Global Change Biology, 2016, 22, 1406-1420.	4.2	469
22	Drought impact on forest carbon dynamics and fluxes in Amazonia. Nature, 2015, 519, 78-82.	13.7	464
23	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. Science, 2017, 355, 925-931.	6.0	443
24	Asynchronous carbon sink saturation in African and Amazonian tropical forests. Nature, 2020, 579, 80-87.	13.7	439
25	Carbon Dioxide Uptake by an Undisturbed Tropical Rain Forest in Southwest Amazonia, 1992 to 1993. Science, 1995, 270, 778-780.	6.0	436
26	The propagation of errors in long-term measurements of land-atmosphere fluxes of carbon and water. Global Change Biology, 1996, 2, 231-240.	4.2	416
27	Record-breaking warming and extreme drought in the Amazon rainforest during the course of El NiÃ±o 2015â€“2016. Scientific Reports, 2016, 6, 33130.	1.6	413
28	Increasing biomass in Amazonian forest plots. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 353-365.	1.8	405
29	Spatial patterns and fire response of recent Amazonian droughts. Geophysical Research Letters, 2007, 34, .	1.5	399
30	Drought sensitivity of Amazonian carbon balance revealed by atmospheric measurements. Nature, 2014, 506, 76-80.	13.7	398
31	Global traitâ€“environment relationships of plant communities. Nature Ecology and Evolution, 2018, 2, 1906-1917.	3.4	397
32	Nutrient availability as the key regulator of global forest carbon balance. Nature Climate Change, 2014, 4, 471-476.	8.1	383
33	Tree height integrated into pantropical forest biomass estimates. Biogeosciences, 2012, 9, 3381-3403.	1.3	373
34	Pattern and process in Amazon tree turnover, 1976â€“2001. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 381-407.	1.8	370
35	Megafauna and ecosystem function from the Pleistocene to the Anthropocene. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 838-846.	3.3	366
36	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. Global Ecology and Biogeography, 2013, 22, 1261-1271.	2.7	365

#	Article	IF	Citations
37	Simulated resilience of tropical rainforests to CO2-induced climate change. Nature Geoscience, 2013, 6, 268-273.	5.4	358
38	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. New Phytologist, 2015, 206, 614-636.	3.5	350
39	Drivers and mechanisms of tree mortality in moist tropical forests. New Phytologist, 2018, 219, 851-869.	3.5	341
40	Photosynthetic seasonality of global tropical forests constrained by hydroclimate. Nature Geoscience, 2015, 8, 284-289.	5.4	337
41	Persistent effects of a severe drought on Amazonian forest canopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 565-570.	3.3	334
42	Net primary productivity allocation and cycling of carbon along a tropical forest elevational transect in the Peruvian Andes. Global Change Biology, 2010, 16, 3176-3192.	4.2	333
43	Climate change and ecosystems: threats, opportunities and solutions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190104.	1.8	333
44	Global importance of largeâ€diameter trees. Global Ecology and Biogeography, 2018, 27, 849-864.	2.7	330
45	Tropical Forests in the Anthropocene. Annual Review of Environment and Resources, 2014, 39, 125-159.	5.6	322
46	The allocation of ecosystem net primary productivity in tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3225-3245.	1.8	317
47	Global nutrient transport in a world of giants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 868-873.	3.3	308
48	Upslope migration of Andean trees. Journal of Biogeography, 2011, 38, 783-791.	1.4	306
49	Biogeochemical cycling of carbon, water, energy, trace gases, and aerosols in Amazonia: The LBA-EUSTACH experiments. Journal of Geophysical Research, 2002, 107, LBA 33-1.	3.3	295
50	Basin-wide variations in foliar properties of Amazonian forest: phylogeny, soils and climate. Biogeosciences, 2009, 6, 2677-2708.	1.3	295
51	Interactions between rainfall, deforestation and fires during recent years in the Brazilian Amazonia. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1779-1785.	1.8	290
52	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO₂. New Phytologist, 2021, 229, 2413-2445.	3.5	286
53	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). Journal of Vegetation Science, 2002, 13, 439-450.	1.1	285
54	Comprehensive assessment of carbon productivity, allocation and storage in three Amazonian forests. Global Change Biology, 2009, 15, 1255-1274.	4.2	280

#	Article	IF	Citations
55	ET come home: potential evapotranspiration in geographical ecology. Global Ecology and Biogeography, 2011, 20, 1-18.	2.7	279
56	Mapping carbon accumulation potential from global natural forest regrowth. Nature, 2020, 585, 545-550.	13.7	278
57	Fertile forests produce biomass more efficiently. Ecology Letters, 2012, 15, 520-526.	3.0	273
58	The response of an Eastern Amazonian rain forest to drought stress: results and modelling analyses from a throughfall exclusion experiment. Global Change Biology, 2007, 13, 2361-2378.	4.2	270
59	Scaleâ€dependent relationships between tree species richness and ecosystem function in forests. Journal of Ecology, 2013, 101, 1214-1224.	1.9	265
60	Compositional response of Amazon forests to climate change. Global Change Biology, 2019, 25, 39-56.	4.2	265
61	Above-ground biomass and structure of 260 African tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120295.	1.8	264
62	What drives the seasonality of photosynthesis across the Amazon basin? A cross-site analysis of eddy flux tower measurements from the Brasil flux network. Agricultural and Forest Meteorology, 2013, 182-183, 128-144.	1.9	255
63	Diversity and carbon storage across the tropical forest biome. Scientific Reports, 2017, 7, 39102.	1.6	251
64	Regional and seasonal patterns of litterfall in tropical South America. Biogeosciences, 2010, 7, 43-55.	1.3	250
65	Markedly divergent estimates of <scp>A</scp>mazon forest carbon density from ground plots and satellites. Global Ecology and Biogeography, 2014, 23, 935-946.	2.7	248
66	Confronting model predictions of carbon fluxes with measurements of Amazon forests subjected to experimental drought. New Phytologist, 2013, 200, 350-365.	3.5	247
67	Introduction: Elevation gradients in the tropics: laboratories for ecosystem ecology and global change research. Global Change Biology, 2010, 16, 3171-3175.	4.2	240
68	The productivity, metabolism and carbon cycle of tropical forest vegetation. Journal of Ecology, 2012, 100, 65-75.	1.9	238
69	Seasonal variation in net carbon exchange and evapotranspiration in a Brazilian rain forest: a modelling analysis. Plant, Cell and Environment, 1998, 21, 953-968.	2.8	230
70	Latitude, productivity and species richness. Global Ecology and Biogeography, 2015, 24, 107-117.	2.7	222
71	Above- and below-ground net primary productivity across ten Amazonian forests on contrasting soils. Biogeosciences, 2009, 6, 2759-2778.	1.3	221
72	Hyperdominance in Amazonian forest carbon cycling. Nature Communications, 2015, 6, 6857.	5.8	214

#	Article	IF	Citations
73	Fingerprinting the impacts of global change on tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 437-462.	1.8	213
74	Environmental change and the carbon balance of <scp>A</scp>mazonian forests. Biological Reviews, 2014, 89, 913-931.	4.7	208
75	Energy and water dynamics of a central Amazonian rain forest. Journal of Geophysical Research, 2002, 107, LBA 45-1.	3.3	204
76	Amazon forest response to repeated droughts. Global Biogeochemical Cycles, 2016, 30, 964-982.	1.9	201
77	The landâ€“atmosphere water flux in the tropics. Global Change Biology, 2009, 15, 2694-2714.	4.2	198
78	Long-term thermal sensitivity of Earthâ€™s tropical forests. Science, 2020, 368, 869-874.	6.0	198
79	The use of eddy covariance to infer the net carbon dioxide uptake of Brazilian rain forest. Global Change Biology, 1996, 2, 209-217.	4.2	196
80	Anthropogenic modification of forests means only 40% of remaining forests have high ecosystem integrity. Nature Communications, 2020, 11, 5978.	5.8	188
81	Forests, carbon and global climate. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 1567-1591.	1.6	187
82	Widespread but heterogeneous responses of Andean forests to climate change. Nature, 2018, 564, 207-212.	13.7	184
83	Carbon cost of plant nitrogen acquisition: A mechanistic, globally applicable model of plant nitrogen uptake, retranslocation, and fixation. Global Biogeochemical Cycles, 2010, 24, .	1.9	182
84	Tropical forest tree mortality, recruitment and turnover rates: calculation, interpretation and comparison when census intervals vary. Journal of Ecology, 2004, 92, 929-944.	1.9	181
85	Herbivory makes major contributions to ecosystem carbon and nutrient cycling in tropical forests. Ecology Letters, 2014, 17, 324-332.	3.0	176
86	Remote sensing detection of droughts in Amazonian forest canopies. New Phytologist, 2010, 187, 733-750.	3.5	174
87	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. Nature Communications, 2014, 5, 3434.	5.8	169
88	The sensitivity of tropical leaf litter decomposition to temperature: results from a largeâ€scale leaf translocation experiment along an elevation gradient in Peruvian forests. New Phytologist, 2011, 189, 967-977.	3.5	166
89	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.	3.3	161
90	National mitigation potential from natural climate solutions in the tropics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190126.	1.8	157

#	Article	IF	Citations
91	Seasonality in CO2and H2O flux at an eastern Amazonian rain forest. Journal of Geophysical Research, 2002, 107, LBA 43-1.	3.3	150
92	The legacy of the Pleistocene megafauna extinctions on nutrient availability in Amazonia. Nature Geoscience, 2013, 6, 761-764.	5.4	149
93	CHANGES IN GROWTH OF TROPICAL FORESTS: EVALUATING POTENTIAL BIASES. , 2002, 12, 576-587.		148
94	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. Global Change Biology, 2015, 21, 2283-2295.	4.2	146
95	Seasonal drought limits tree species across the Neotropics. Ecography, 2017, 40, 618-629.	2.1	143
96	Turbulence Statistics Above And Within Two Amazon Rain Forest Canopies. Boundary-Layer Meteorology, 2000, 94, 297-331.	1.2	138
97	Many shades of green: the dynamic tropical forestâ€“savannah transition zones. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150308.	1.8	135
98	The effects of water availability on root growth and morphology in an Amazon rainforest. Plant and Soil, 2008, 311, 189-199.	1.8	134
99	Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. New Phytologist, 2017, 214, 1049-1063.	3.5	132
100	African rainforests: past, present and future. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120312.	1.8	131
101	Effect of drought on isoprene emission rates from leaves of Quercus virginiana Mill.. Atmospheric Environment, 2004, 38, 6149-6156.	1.9	130
102	Agroforestry Can Enhance Food Security While Meeting Other Sustainable Development Goals. Tropical Conservation Science, 2017, 10, 194008291772066.	0.6	128
103	Nature-based solutions can help cool the planet â€” if we act now. Nature, 2021, 593, 191-194.	13.7	128
104	The Concept of the Anthropocene. Annual Review of Environment and Resources, 2017, 42, 77-104.	5.6	126
105	The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. New Phytologist, 2017, 214, 1019-1032.	3.5	126
106	Estimating the global conservation status of more than 15,000 Amazonian tree species. Science Advances, 2015, 1, e1500936.	4.7	122
107	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	1.9	122
108	Assessment of the MODIS global evapotranspiration algorithm using eddy covariance measurements and hydrological modelling in the Rio Grande basin. Hydrological Sciences Journal, 2013, 58, 1658-1676.	1.2	120

#	Article	IF	Citations
109	Shifts in plant respiration and carbon use efficiency at a largeâ€scale drought experiment in the eastern Amazon. New Phytologist, 2010, 187, 608-621.	3.5	118
110	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.	4.2	116
111	Long-term carbon sink in Borneoâ€™s forests halted by drought and vulnerable to edge effects. Nature Communications, 2017, 8, 1966.	5.8	116
112	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.	1.9	115
113	The carbon balance of tropical forest regions, 1990â€“2005. Current Opinion in Environmental Sustainability, 2010, 2, 237-244.	3.1	114
114	Seeing Central African forests through their largest trees. Scientific Reports, 2015, 5, 13156.	1.6	114
115	Biomass production efficiency controlled by management in temperate and boreal ecosystems. Nature Geoscience, 2015, 8, 843-846.	5.4	109
116	Do dynamic global vegetation models capture the seasonality of carbon fluxes in the Amazon basin? A dataâ€model intercomparison. Global Change Biology, 2017, 23, 191-208.	4.2	106
117	Residence times of woody biomass in tropical forests. Plant Ecology and Diversity, 2013, 6, 139-157.	1.0	104
118	Multiple-scale prediction of forest loss risk across Borneo. Landscape Ecology, 2017, 32, 1581-1598.	1.9	104
119	Landscape-scale changes in forest structure and functional traits along an Andes-to-Amazon elevation gradient. Biogeosciences, 2014, 11, 843-856.	1.3	100
120	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. Ecology Letters, 2017, 20, 730-740.	3.0	100
121	Implications of improved representations of plant respiration in a changing climate. Nature Communications, 2017, 8, 1602.	5.8	100
122	Factors controlling spatioâ€temporal variation in carbon dioxide efflux from surface litter, roots, and soil organic matter at four rain forest sites in the eastern Amazon. Journal of Geophysical Research, 2007, 112, .	3.3	99
123	The megabiota are disproportionately important for biosphere functioning. Nature Communications, 2020, 11, 699.	5.8	99
124	Logging disturbance shifts net primary productivity and its allocation in Bornean tropical forests. Global Change Biology, 2018, 24, 2913-2928.	4.2	98
125	The fate of Amazonian ecosystems over the coming century arising from changes in climate, atmospheric <scp>CO</scp>_{2,} and land use. Global Change Biology, 2015, 21, 2569-2587.	4.2	97
126	Variation in potential for isoprene emissions among Neotropical forest sites. Global Change Biology, 2004, 10, 630-650.	4.2	96

#	Article	IF	Citations
127	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. Geochimica Et Cosmochimica Acta, 2016, 182, 155-172.	1.6	94
128	Realistic Forest Stand Reconstruction from Terrestrial LiDAR for Radiative Transfer Modelling. Remote Sensing, 2018, 10, 933.	1.8	94
129	Evaluating the convergence between eddy-covariance and biometric methods for assessing carbon budgets of forests. Nature Communications, 2016, 7, 13717.	5.8	90
130	Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling. Trees - Structure and Function, 2018, 32, 1219-1231.	0.9	90
131	Local spatial structure of forest biomass and its consequences for remote sensing of carbon stocks. Biogeosciences, 2014, 11, 6827-6840.	1.3	89
132	Spatial patterns of above-ground structure, biomass and composition in a network of six Andean elevation transects. Plant Ecology and Diversity, 2014, 7, 161-171.	1.0	89
133	Leafâ€level photosynthetic capacity in lowland Amazonian and highâ€elevation Andean tropical moist forests of Peru. New Phytologist, 2017, 214, 1002-1018.	3.5	89
134	Ecosystem Carbon Storage Across the Grasslandâ€“Forest Transition in the High Andes of Manu National Park, Peru. Ecosystems, 2010, 13, 1097-1111.	1.6	88
135	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). Geoscientific Model Development, 2014, 7, 1251-1269.	1.3	87
136	Degradation and forgone removals increase the carbon impact of intact forest loss by 626%. Science Advances, 2019, 5, eaax2546.	4.7	87
137	Climate dependence of heterotrophic soil respiration from a soilâ€translocation experiment along a 3000 m tropical forest altitudinal gradient. European Journal of Soil Science, 2009, 60, 895-906.	1.8	86
138	Allocation tradeâ€offs dominate the response of tropical forest growth to seasonal and interannual drought. Ecology, 2014, 95, 2192-2201.	1.5	86
139	The number of tree species on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	86
140	Convergence in relationships between leaf traits, spectra and age across diverse canopy environments and two contrasting tropical forests. New Phytologist, 2017, 214, 1033-1048.	3.5	83
141	A MODIS-Based Energy Balance to Estimate Evapotranspiration for Clear-Sky Days in Brazilian Tropical Savannas. Remote Sensing, 2012, 4, 703-725.	1.8	82
142	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.	1.0	82
143	The variation of apparent crown size and canopy heterogeneity across lowland Amazonian forests. Global Ecology and Biogeography, 2010, 19, 72-84.	2.7	79
144	Field methods for sampling tree height for tropical forest biomass estimation. Methods in Ecology and Evolution, 2018, 9, 1179-1189.	2.2	78

#	Article	IF	Citations
145	Panâ€tropical prediction of forest structure from the largest trees. Global Ecology and Biogeography, 2018, 27, 1366-1383.	2.7	78
146	New perspectives on the ecology of tree structure and tree communities through terrestrial laser scanning. Interface Focus, 2018, 8, 20170052.	1.5	76
147	Lateral Diffusion of Nutrients by Mammalian Herbivores in Terrestrial Ecosystems. PLoS ONE, 2013, 8, e71352.	1.1	76
148	No Differences in Soil Carbon Stocks Across the Tree Line in the Peruvian Andes. Ecosystems, 2010, 13, 62-74.	1.6	75
149	Methods to estimate aboveground wood productivity from long-term forest inventory plots. Forest Ecology and Management, 2014, 320, 30-38.	1.4	75
150	Drier tropical forests are susceptible to functional changes in response to a longâ€term drought. Ecology Letters, 2019, 22, 855-865.	3.0	75
151	Tropical tree mortality has increased with rising atmospheric water stress. Nature, 2022, 608, 528-533.	13.7	74
152	Identifying ambassador species for conservation marketing. Global Ecology and Conservation, 2017, 12, 204-214.	1.0	73
153	Termite Diversity along an Amazon-Andes Elevation Gradient, Peru. Biotropica, 2011, 43, 100-107.	0.8	72
154	Logging and soil nutrients independently explain plant trait expression in tropical forests. New Phytologist, 2019, 221, 1853-1865.	3.5	69
155	Carbon in the atmosphere and terrestrial biosphere in the 21st century. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 2925-2945.	1.6	68
156	Spatial and temporal patterns of the recent warming of the Amazon forest. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5204-5215.	1.2	67
157	Temporal variation and climate dependence of soil respiration and its components along a 3000 m altitudinal tropical forest gradient. Global Biogeochemical Cycles, 2010, 24, .	1.9	65
158	The relative importance of deforestation, precipitation change, and temperature sensitivity in determining the future distributions and diversity of <scp>A</scp>mazonian plant species. Global Change Biology, 2012, 18, 2636-2647.	4.2	65
159	High aboveground carbon stock of African tropical montane forests. Nature, 2021, 596, 536-542.	13.7	65
160	Quantifying immediate carbon emissions from El NiÃ±o-mediated wildfires in humid tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170312.	1.8	64
161	New views on â€œoldâ€•carbon in the Amazon River: Insight from the source of organic carbon eroded from the Peruvian Andes. Geochemistry, Geophysics, Geosystems, 2013, 14, 1644-1659.	1.0	63
162	Fast demographic traits promote high diversification rates of Amazonian trees. Ecology Letters, 2014, 17, 527-536.	3.0	63

#	Article	IF	Citations
163	Productivity and carbon allocation in a tropical montane cloud forest in the Peruvian Andes. Plant Ecology and Diversity, 2014, 7, 107-123.	1.0	63
164	Disentangling the contribution of multiple land covers to fireâ€mediated carbon emissions in Amazonia during the 2010 drought. Global Biogeochemical Cycles, 2015, 29, 1739-1753.	1.9	63
165	Extensive 21stâ€Century Woody Encroachment in South America's Savanna. Geophysical Research Letters, 2019, 46, 6594-6603.	1.5	62
166	Tree mode of death and mortality risk factors across Amazon forests. Nature Communications, 2020, 11, 5515.	5.8	62
167	The global abundance of tree palms. Global Ecology and Biogeography, 2020, 29, 1495-1514.	2.7	62
168	Long-term droughts may drive drier tropical forests towards increased functional, taxonomic and phylogenetic homogeneity. Nature Communications, 2020, 11, 3346.	5.8	61
169	A method for extracting plant roots from soil which facilitates rapid sample processing without compromising measurement accuracy. New Phytologist, 2007, 174, 697-703.	3.5	60
170	Storm-triggered landslides in the Peruvian Andes and implications for topography, carbon cycles, and biodiversity. Earth Surface Dynamics, 2016, 4, 47-70.	1.0	60
171	Non-structural carbohydrates mediate seasonal water stress across Amazon forests. Nature Communications, 2021, 12, 2310.	5.8	59
172	Fine root dynamics along an elevational gradient in tropical Amazonian and Andean forests. Global Biogeochemical Cycles, 2013, 27, 252-264.	1.9	57
173	Megafauna in the Earth system. Ecography, 2016, 39, 99-108.	2.1	57
174	Assessing traitâ€based scaling theory in tropical forests spanning a broad temperature gradient. Global Ecology and Biogeography, 2017, 26, 1357-1373.	2.7	57
175	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. New Phytologist, 2017, 214, 973-988.	3.5	57
176	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. Ecology, 2020, 101, e03052.	1.5	57
177	The effect of elevated atmospheric CO2 and drought on sources and sinks of isoprene in a temperate and tropical rainforest mesocosm. Global Change Biology, 2005, 11, 1234-1246.	4.2	55
178	A comparison of plotâ€based satellite and Earth system model estimates of tropical forest net primary production. Global Biogeochemical Cycles, 2015, 29, 626-644.	1.9	55
179	Finite element analysis of trees in the wind based on terrestrial laser scanning data. Agricultural and Forest Meteorology, 2019, 265, 137-144.	1.9	54
180	Elevation and latitude drives structure and tree species composition in Andean forests: Results from a large-scale plot network. PLoS ONE, 2020, 15, e0231553.	1.1	54

#	Article	IF	Citations
181	The role of large wild animals in climate change mitigation and adaptation. Current Biology, 2022, 32, R181-R196.	1.8	54
182	Biased-corrected richness estimates for the Amazonian tree flora. Scientific Reports, 2020, 10, 10130.	1.6	53
183	Improving simulated Amazon forest biomass and productivity by including spatial variation in biophysical parameters. Biogeosciences, 2013, 10, 2255-2272.	1.3	52
184	Ecosystem respiration and net primary productivity after 8â€“10 years of experimental through-fall reduction in an eastern Amazon forest. Plant Ecology and Diversity, 2014, 7, 7-24.	1.0	52
185	Leaf manganese concentrations as a tool to assess belowground plant functioning in phosphorus-impoverished environments. Plant and Soil, 2021, 461, 43-61.	1.8	52
186	Carbon dioxide fluxes over an ancient broadleaved deciduous woodland in southern England. Biogeosciences, 2011, 8, 1595-1613.	1.3	51
187	Increased water use efficiency but contrasting tree growth patterns in Fitzroya cupressoides forests of southern Chile during recent decades. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2505-2524.	1.3	51
188	Variation in leaf wettability traits along a tropical montane elevation gradient. New Phytologist, 2017, 214, 989-1001.	3.5	51
189	Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. Science Advances, 2019, 5, eaaw8114.	4.7	51
190	Tracking the impacts of El NiÃ±o drought and fire in human-modified Amazonian forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	51
191	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.	1.8	50
192	Floristics and biogeography of vegetation in seasonally dry tropical regions. International Forestry Review, 2015, 17, 10-32.	0.3	50
193	Forest biomass, productivity and carbon cycling along a rainfall gradient in West Africa. Global Change Biology, 2018, 24, e496-e510.	4.2	50
194	In Situ Reference Datasets From the TropiSAR and AfriSAR Campaigns in Support of Upcoming Spaceborne Biomass Missions. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3617-3627.	2.3	49
195	Can large herbivores enhance ecosystem carbon persistence?. Trends in Ecology and Evolution, 2022, 37, 117-128.	4.2	49
196	The hydrological regime of a forested tropical Andean catchment. Hydrology and Earth System Sciences, 2014, 18, 5377-5397.	1.9	48
197	Seasonal production, allocation and cycling of carbon in two mid-elevation tropical montane forest plots in the Peruvian Andes. Plant Ecology and Diversity, 2014, 7, 125-142.	1.0	47
198	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. Biogeosciences, 2018, 15, 3811-3830.	1.3	47

#	Article	IF	Citations
199	Coupling of El NiÃ±o events and long-term warming leads to pervasive climate extremes in the terrestrial tropics. Environmental Research Letters, 2019, 14, 105002.	2.2	46
200	Soil physical conditions limit palm and tree basal area in Amazonian forests. Plant Ecology and Diversity, 2014, 7, 215-229.	1.0	45
201	Application of remote sensing to understanding fire regimes and biomass burning emissions of the tropical Andes. Global Biogeochemical Cycles, 2014, 28, 480-496.	1.9	44
202	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. Scientific Data, 2019, 6, 198.	2.4	44
203	Evolutionary heritage influences Amazon tree ecology. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161587.	1.2	43
204	Seasonal trends of Amazonian rainforest phenology, net primary productivity, and carbon allocation. Global Biogeochemical Cycles, 2016, 30, 700-715.	1.9	43
205	Grass Species Flammability, Not Biomass, Drives Changes in Fire Behavior at Tropical Forest-Savanna Transitions. Frontiers in Forests and Global Change, 2018, 1, .	1.0	43
206	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. Biological Conservation, 2021, 253, 108889.	1.9	42
207	Ecosystem productivity and carbon cycling in intact and annually burnt forest at the dry southern limit of the Amazon rainforest (Mato Grosso, Brazil). Plant Ecology and Diversity, 2014, 7, 25-40.	1.0	41
208	ENSO Drives interannual variation of forest woody growth across the tropics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170410.	1.8	41
209	The persistence of carbon in the African forest understory. Nature Plants, 2019, 5, 133-140.	4.7	41
210	Detecting vulnerability of humid tropical forests to multiple stressors. One Earth, 2021, 4, 988-1003.	3.6	41
211	Stem respiration in tropical forests along an elevation gradient in the Amazon and Andes. Global Change Biology, 2010, 16, 3193-3204.	4.2	40
212	Source and sink carbon dynamics and carbon allocation in the Amazon basin. Global Biogeochemical Cycles, 2015, 29, 645-655.	1.9	40
213	Thinner bark increases sensitivity of wetter Amazonian tropical forests to fire. Ecology Letters, 2020, 23, 99-106.	3.0	40
214	Pleistocene Arctic megafaunal ecological engineering as a natural climate solution?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190122.	1.8	40
215	Estimating architecture-based metabolic scaling exponents of tropical trees using terrestrial LiDAR and 3D modelling. Forest Ecology and Management, 2019, 439, 132-145.	1.4	39
216	The sensitivity of wood production to seasonal and interannual variations in climate in a lowland Amazonian rainforest. Oecologia, 2014, 174, 295-306.	0.9	38

#	Article	IF	Citations
217	Forest community response to invasive pathogens: the case of ash dieback in a British woodland. Journal of Ecology, 2016, 104, 315-330.	1.9	38
218	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. Remote Sensing of Environment, 2021, 252, 112122.	4.6	38
219	First comparison of quantitative estimates of termite biomass and abundance reveals strong intercontinental differences. Journal of Tropical Ecology, 2014, 30, 143-152.	0.5	37
220	Imaging spectroscopy reveals the effects of topography and logging on the leaf chemistry of tropical forest canopy trees. Global Change Biology, 2020, 26, 989-1002.	4.2	37
221	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, .	3.3	37
222	Assessment of Bias in Pan-Tropical Biomass Predictions. Frontiers in Forests and Global Change, 2020, 3, .	1.0	36
223	Annual budget and seasonal variation of aboveground and belowground net primary productivity in a lowland dipterocarp forest in Borneo. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1282-1296.	1.3	35
224	Changes in forest structure and composition after fire in tropical montane cloud forests near the Andean treeline. Plant Ecology and Diversity, 2014, 7, 329-340.	1.0	35
225	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). , 2002, 13, 439.		35
226	Simulating forest productivity along a neotropical elevational transect: temperature variation and carbon use efficiency. Global Change Biology, 2012, 18, 2882-2898.	4.2	34
227	The productivity, allocation and cycling of carbon in forests at the dry margin of the Amazon forest in Bolivia. Plant Ecology and Diversity, 2014, 7, 55-69.	1.0	34
228	Multiscale mapping of plant functional groups and plant traits in the High Arctic using field spectroscopy, UAV imagery and Sentinel-2A data. Environmental Research Letters, 2021, 16, 055006.	2.2	34
229	Increased Wildfire Risk Driven by Climate and Development Interactions in the Bolivian Chiquitania, Southern Amazonia. PLoS ONE, 2016, 11, e0161323.	1.1	34
230	Living on the edge: quantifying the structure of a fragmented forest landscape in England. Landscape Ecology, 2014, 29, 949-961.	1.9	33
231	Grass allometry and estimation of above-ground biomass in tropical alpine tussock grasslands. Austral Ecology, 2014, 39, 408-415.	0.7	33
232	The Role of Forest Elephants in Shaping Tropical Forestâ€“Savanna Coexistence. Ecosystems, 2020, 23, 602-616.	1.6	33
233	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.	2.7	32
234	Evolutionary diversity is associated with wood productivity in Amazonian forests. Nature Ecology and Evolution, 2019, 3, 1754-1761.	3.4	32

#	Article	IF	Citations
235	An architectural understanding of natural sway frequencies in trees. Journal of the Royal Society Interface, 2019, 16, 20190116.	1.5	32
236	Predicting traitâ€environment relationships for venation networks along an Andesâ€Amazon elevation gradient. Ecology, 2017, 98, 1239-1255.	1.5	31
237	Pollen-vegetation richness and diversity relationships in the tropics. Vegetation History and Archaeobotany, 2018, 27, 411-418.	1.0	31
238	Predicting alpha diversity of African rain forests: models based on climate and satellite-derived data do not perform better than a purely spatial model. Journal of Biogeography, 2011, 38, 1164-1176.	1.4	30
239	Calculating downward longwave radiation under clear and cloudy conditions over a tropical lowland forest site: an evaluation of model schemes for hourly data. Theoretical and Applied Climatology, 2012, 107, 461-477.	1.3	30
240	Carbon dynamics, net primary productivity and humanâ€appropriated net primary productivity across a forestâ€“cocoa farm landscape in West Africa. Global Change Biology, 2019, 25, 2661-2677.	4.2	30
241	Gap-filling measurements of carbon dioxide storage in tropical rainforest canopy airspace. Agricultural and Forest Meteorology, 2005, 132, 305-314.	1.9	29
242	Airborne S-Band SAR for Forest Biophysical Retrieval in Temperate Mixed Forests of the UK. Remote Sensing, 2016, 8, 609.	1.8	29
243	Tree growth and stem carbon accumulation in human-modified Amazonian forests following drought and fire. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170308.	1.8	29
244	Patterns of nitrogenâ€fixing tree abundance in forests across Asia and America. Journal of Ecology, 2019, 107, 2598-2610.	1.9	29
245	Sample sizes for estimating key ecosystem characteristics in a tropical terra firme rainforest. Forest Ecology and Management, 2008, 255, 558-566.	1.4	28
246	Gross Primary Productivity of a High Elevation Tropical Montane Cloud Forest. Ecosystems, 2014, 17, 751.	1.6	28
247	Erosion of organic carbon from the Andes and its effects on ecosystem carbon dioxide balance. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 449-469.	1.3	28
248	What controls variation in carbon use efficiency among Amazonian tropical forests?. Biotropica, 2018, 50, 16-25.	0.8	28
249	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	5.8	28
250	Amazon tree dominance across forest strata. Nature Ecology and Evolution, 2021, 5, 757-767.	3.4	27
251	Major and persistent shifts in belowâ€ground carbon dynamics and soil respiration following logging in tropical forests. Global Change Biology, 2021, 27, 2225-2240.	4.2	27
252	Examining variation in the leaf mass per area of dominant species across two contrasting tropical gradients in light of community assembly. Ecology and Evolution, 2016, 6, 5674-5689.	0.8	26

#	Article	IF	Citations
253	Mature Andean forests as globally important carbon sinks and future carbon refuges. Nature Communications, 2021, 12, 2138.	5.8	26
254	The impact of logging on vertical canopy structure across a gradient of tropical forest degradation intensity in Borneo. Journal of Applied Ecology, 2021, 58, 1764-1775.	1.9	26
255	Dripâ€tips are Associated with Intensity of Precipitation in the Amazon Rain Forest. Biotropica, 2012, 44, 728-737.	0.8	25
256	The seasonal cycle of productivity, metabolism and carbon dynamics in a wet aseasonal forest in north-west Amazonia (Iquitos, Peru). Plant Ecology and Diversity, 2014, 7, 71-83.	1.0	25
257	Inter-comparison and assessment of gridded climate products over tropical forests during the 2015/2016 El NiÃ±o. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170406.	1.8	25
258	Smallâ€scale indirect plant responses to insect herbivory could have major impacts on canopy photosynthesis and isoprene emission. New Phytologist, 2018, 220, 799-810.	3.5	25
259	Spatial patterns and recent trends in cloud fraction and cloudâ€related diffuse radiation in Amazonia. Journal of Geophysical Research, 2009, 114, .	3.3	24
260	The Carbon Cycle of a Maritime Ancient Temperate Broadleaved Woodland at Seasonal and Annual Scales. Ecosystems, 2015, 18, 1-15.	1.6	24
261	Winners and losers: tropical forest tree seedling survival across a West African forestâ€“savanna transition. Ecology and Evolution, 2016, 6, 3417-3429.	0.8	24
262	Impacts on terrestrial biodiversity of moving from a 2Â°C to a 1.5Â°C target. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20160456.	1.6	24
263	Spatio-temporal patterns of thermal anomalies and drought over tropical forests driven by recent extreme climatic anomalies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170300.	1.8	24
264	The Oldest, Slowest Rainforests in the World? Massive Biomass and Slow Carbon Dynamics of Fitzroya cupressoides Temperate Forests in Southern Chile. PLoS ONE, 2015, 10, e0137569.	1.1	24
265	Tallo: A global tree allometry and crown architecture database. Global Change Biology, 2022, 28, 5254-5268.	4.2	24
266	Global warming and climate change in Amazonia: Climate-vegetation feedback and impacts on water resources. Geophysical Monograph Series, 2009, , 273-292.	0.1	23
267	Tropical forest leaves may darken in response to climate change. Nature Ecology and Evolution, 2018, 2, 1918-1924.	3.4	23
268	Leaf-level photosynthetic capacity dynamics in relation to soil and foliar nutrients along forestâ€“savanna boundaries in Ghana and Brazil. Tree Physiology, 2018, 38, 1912-1925.	1.4	23
269	Simulating impacts of rapid forest loss on population size, connectivity and genetic diversity of Sunda clouded leopards (Neofelis diardi) in Borneo. PLoS ONE, 2018, 13, e0196974.	1.1	23
270	Impacts of fire on sources of soil <scp>CO</scp>₂ efflux in a dry Amazon rain forest. Global Change Biology, 2018, 24, 3629-3641.	4.2	23

#	Article	IF	Citations
271	Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. Frontiers in Plant Science, 2019, 10, 1810.	1.7	23
272	Seasonality of above-ground net primary productivity along an Andean altitudinal transect in Peru. Journal of Tropical Ecology, 2014, 30, 503-519.	0.5	22
273	Mapping the Leaf Economic Spectrum across West African Tropical Forests Using UAV-Acquired Hyperspectral Imagery. Remote Sensing, 2018, 10, 1532.	1.8	22
274	Leaf age effects on the spectral predictability of leaf traits in Amazonian canopy trees. Science of the Total Environment, 2019, 666, 1301-1315.	3.9	22
275	New insights into the variability of the tropical land carbon cycle from the El NiÃ±o of 2015/2016. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170298.	1.8	21
276	Calibration of a land-surface model using data from primary forest sites in Amazonia. Theoretical and Applied Climatology, 2004, 78, 27.	1.3	20
277	The past, present and future of Africa's rainforests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120293.	1.8	20
278	The modern pollenâ€“vegetation relationships of a tropical forestâ€“savannah mosaic landscape, Ghana, West Africa. Palynology, 2018, 42, 324-338.	0.7	20
279	A New Architectural Perspective on Wind Damage in a Natural Forest. Frontiers in Forests and Global Change, 2019, 1, .	1.0	20
280	The mechanical stability of the worldâ€™s tallest broadleaf trees. Biotropica, 2021, 53, 110-120.	0.8	20
281	Assessing above-ground woody debris dynamics along a gradient of elevation in Amazonian cloud forests in Peru: balancing above-ground inputs and respiration outputs. Plant Ecology and Diversity, 2014, 7, 143-160.	1.0	19
282	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. Frontiers in Earth Science, 2019, 7, .	0.8	19
283	The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. Frontiers in Forests and Global Change, 2020, 3, .	1.0	19
284	The Influence of Taxonomy and Environment on Leaf Trait Variation Along Tropical Abiotic Gradients. Frontiers in Forests and Global Change, 2020, 3, .	1.0	19
285	Rare ground data confirm significant warming and drying in western equatorial Africa. PeerJ, 2020, 8, e8732.	0.9	19
286	Structural and defensive roles of angiosperm leaf venation network reticulation across an Andesâ€“Amazon elevation gradient. Journal of Ecology, 2018, 106, 1683-1699.	1.9	18
287	Linking functional traits to multiscale statistics of leaf venation networks. New Phytologist, 2020, 228, 1796-1810.	3.5	18
288	Functional coordination between branch hydraulic properties and leaf functional traits in miombo woodlands: implications for water stress management and species habitat preference. Acta Physiologiae Plantarum, 2012, 34, 1701-1710.	1.0	17

#	Article	IF	Citations
289	The impact of large animal extinctions on nutrient fluxes in early river valley civilizations. Ecosphere, 2013, 4, 1-17.	1.0	17
290	Describing termite assemblage structure in a Peruvian lowland tropical rain forest: a comparison of two alternative methods. Insectes Sociaux, 2015, 62, 141-150.	0.7	17
291	Can Leaf Spectroscopy Predict Leaf and Forest Traits Along a Peruvian Tropical Forest Elevation Gradient?. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2952-2965.	1.3	17
292	Impact of woody encroachment on soil organic carbon storage in the LopÃ© National Park, Gabon. Biotropica, 2017, 49, 9-12.	0.8	17
293	Ancient deforestation in the green heart of Africa. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3202-3204.	3.3	17
294	A distinct ecotonal tree community exists at central African forestâ€“savanna transitions. Journal of Ecology, 2021, 109, 1170-1183.	1.9	17
295	Automated and accurate segmentation of leaf venation networks via deep learning. New Phytologist, 2021, 229, 631-648.	3.5	17
296	Water table depth modulates productivity and biomass across Amazonian forests. Global Ecology and Biogeography, 2022, 31, 1571-1588.	2.7	17
297	Fire effects and ecological recovery pathways of tropical montane cloud forests along a time chronosequence. Global Change Biology, 2018, 24, 758-772.	4.2	16
298	Phenology and Seasonal Ecosystem Productivity in an Amazonian Floodplain Forest. Remote Sensing, 2019, 11, 1530.	1.8	16
299	Tropical tree growth sensitivity to climate is driven by species intrinsic growth rate and leaf traits. Global Change Biology, 2022, 28, 1414-1432.	4.2	16
300	Cloud frequency climatology at the Andes/Amazon transition: 1. Seasonal and diurnal cycles. Journal of Geophysical Research, 2012, 117, .	3.3	15
301	Digital thermal monitoring of the Amazon forest: an intercomparison of satellite and reanalysis products. International Journal of Digital Earth, 2016, 9, 477-498.	1.6	15
302	The importance of physiological, structural and trait responses to drought stress in driving spatial and temporal variation in GPP across Amazon forests. Biogeosciences, 2019, 16, 4463-4484.	1.3	15
303	Cloud frequency climatology at the Andes/Amazon transition: 2. Trends and variability. Journal of Geophysical Research, 2012, 117, .	3.3	14
304	Fineâ€root exploitation strategies differ in tropical old growth and loggedâ€over forests in Ghana. Biotropica, 2018, 50, 606-615.	0.8	14
305	Modelling the effect of the 2018 summer heatwave and drought on isoprene emissions in a UK woodland. Global Change Biology, 2020, 26, 2320-2335.	4.2	14
306	Editorial: Tropical Montane Forests in a Changing Environment. Frontiers in Plant Science, 2021, 12, 712748.	1.7	14

#	Article	IF	Citations
307	Leakage effects in natural resource supply chains: a case study from the Peruvian commercial charcoal market. International Journal of Sustainable Development and World Ecology, 2013, 20, 336-348.	3.2	13
308	Allometry and growth of eight tree taxa in United Kingdom woodlands. Scientific Data, 2015, 2, 150006.	2.4	13
309	Bryophyte stable isotope composition, diversity and biomass define tropical montane cloud forest extent. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182284.	1.2	13
310	Deliberation for wildfire risk management: Addressing conflicting views in the Chiquitania, Bolivia. Geographical Journal, 2019, 185, 38-54.	1.6	13
311	Fine root dynamics across pantropical rainforest ecosystems. Global Change Biology, 2021, 27, 3657-3680.	4.2	13
312	Existing land uses constrain climate change mitigation potential of forest restoration in India. Conservation Letters, 2022, 15, .	2.8	13
313	Montane forest root growth and soil organic layer depth as potential factors stabilizing Cenozoic global change. Geophysical Research Letters, 2014, 41, 983-990.	1.5	12
314	Climate and crown damage drive tree mortality in southern Amazonian edge forests. Journal of Ecology, 2022, 110, 876-888.	1.9	12
315	Land Use Change in India (1700â€“2000) as Examined through the Lens of Human Appropriation of Net Primary Productivity. Journal of Industrial Ecology, 2018, 22, 1202-1212.	2.8	11
316	The structures underpinning vulnerability: examining landscape-society interactions in a smallholder coffee agroforestry system. Environmental Research Letters, 2019, 14, 075006.	2.2	11
317	Continuous Isoprene Measurements in a UK Temperate Forest for a Whole Growing Season: Effects of Drought Stress During the 2018 Heatwave. Geophysical Research Letters, 2020, 47, e2020GL088885.	1.5	11
318	allodb: An R package for biomass estimation at globally distributed extratropical forest plots. Methods in Ecology and Evolution, 2022, 13, 330-338.	2.2	11
319	Drivers of metacommunity structure diverge for common and rare Amazonian tree species. PLoS ONE, 2017, 12, e0188300.	1.1	10
320	Net ecosystem productivity and carbon dynamics of the traditionally managed Imperata grasslands of North East India. Science of the Total Environment, 2018, 635, 1124-1131.	3.9	10
321	Terrestrial laser scanning to reconstruct branch architecture from harvested branches. Methods in Ecology and Evolution, 2021, 12, 2487-2500.	2.2	10
322	Tropical forests in the deep human past. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200500.	1.8	10
323	Sources and sinks of trace gases in Amazonia and the Cerrado. Geophysical Monograph Series, 2009, , 337-354.	0.1	9
324	Soil respiration and mass balance estimation of fine root production in Fitzroya cupressoides forests of southern Chile. Ecosphere, 2017, 8, e01640.	1.0	9

#	Article	IF	Citations
325	Seasonal changes in plantâ€“water relations influence patterns of leaf display in Miombo woodlands: evidence of water conservative strategies. Tree Physiology, 2019, 39, 104-112.	1.4	9
326	Patterns and controls on fine-root dynamics along a rainfall gradient in Ghana. Trees - Structure and Function, 2020, 34, 917-929.	0.9	9
327	Variation of nonâ€structural carbohydrates across the fastâ€“slow continuum in Amazon Forest canopy trees. Functional Ecology, 2022, 36, 341-355.	1.7	9
328	The Metabolism of a Human-Dominated Planet. , 2014, , 142-163.		8
329	Changes in oak (Quercus robur) photosynthesis after winter moth (Operophtera brumata) herbivory are not explained by changes in chemical or structural leaf traits. PLoS ONE, 2020, 15, e0228157.	1.1	8
330	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. Global Change Biology, 2022, 28, 2895-2909.	4.2	8
331	Tropical wood stores substantial amounts of nutrients, but we have limited understanding why. Biotropica, 2022, 54, 596-606.	0.8	8
332	Functional susceptibility of tropical forests to climate change. Nature Ecology and Evolution, 2022, 6, 878-889.	3.4	8
333	Leaf venation networks of Bornean trees: images and handâ€traced segmentations. Ecology, 2019, 100, e02844.	1.5	7
334	Understanding water and energy fluxes in the Amazonia: Lessons from an observationâ€model intercomparison. Global Change Biology, 2021, 27, 1802-1819.	4.2	6
335	Leaf-litter production in human-modified Amazonian forests following the El NiÃ±o-mediated drought and fires of 2015â€“2016. Forest Ecology and Management, 2021, 496, 119441.	1.4	6
336	Anthropogenic climate change contribution to wildfire-prone weather conditions in the Cerrado and Arc of deforestation. Environmental Research Letters, 2021, 16, 094051.	2.2	6
337	Resilience to climate shocks in the tropics. Environmental Research Letters, 2020, 15, 100203.	2.2	6
338	Smallholder REDD+ strategies at the forestâ€“farm frontier: a comparative analysis of options from the Peruvian Amazon. Carbon Management, 2012, 3, 265-281.	1.2	5
339	Does soil pyrogenic carbon determine plant functional traits in Amazon Basin forests?. Plant Ecology, 2017, 218, 1047-1062.	0.7	5
340	Rethinking Fuelwood: People, Policy and the Anatomy of a Charcoal Supply Chain in a Decentralizing Peru. Forests, 2018, 9, 533.	0.9	5
341	Modern pollen rain predicts shifts in plant trait composition but not plant diversity along the Andesâ€“Amazon elevational gradient. Journal of Vegetation Science, 2021, 32, e12925.	1.1	5
342	Assessing invertebrate herbivory in humanâ€modified tropical forest canopies. Ecology and Evolution, 2021, 11, 4012-4022.	0.8	5

#	Article	IF	Citations
343	Contribution and stability of forest-derived soil organic carbon during woody encroachment in a tropical savanna. A case study in Gabon. Biology and Fertility of Soils, 2018, 54, 897-907.	2.3	4
344	Does economic optimisation explain LAI and leaf trait distributions across an Amazon soil moisture gradient?. Global Change Biology, 2021, 27, 587-605.	4.2	4
345	The evolutionary assembly of forest communities along environmental gradients: recent diversification or sorting of preâ€adapted clades?. New Phytologist, 2021, 232, 2506-2519.	3.5	4
346	Improving landscapeâ€scale productivity estimates by integrating traitâ€based models and remotelyâ€sensed foliarâ€trait and canopyâ€structural data. Ecography, 2022, 2022, .	2.1	4
347	Modeling Error Evaluation of Ground Observed Vegetation Parameters. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4987-4994.	2.4	3
348	Individual tree detection and crown segmentation based on metabolic theory from airborne laser scanning data. Journal of Applied Remote Sensing, 2021, 15, .	0.6	3
349	Predicting tropical tree mortality with leaf spectroscopy. Biotropica, 2021, 53, 581-595.	0.8	3
350	Reply to 'Uncertain effects of nutrient availability on global forest carbon balance' and 'Data quality and the role of nutrients in forest carbon-use efficiency'. Nature Climate Change, 2015, 5, 960-961.	8.1	2
351	Large contribution of recent photosynthate to soil respiration in tropical dipterocarp forest revealed by girdling. Journal of Ecology, 0, , .	1.9	2
352	The Great Intergenerational Robbery: A Call for Concerted Action Against Environmental Crises. Annual Review of Environment and Resources, 2022, 47, 1-4.	5.6	2
353	Multi-temporal analysis of MODIS Land Products over the Amazon region. , 2012, , .		1
354	Variability in modern pollen rain from moist and wet tropical forest plots in Ghana, West Africa. Grana, 2019, 58, 45-62.	0.4	1
355	Interactions between all pairs of neighboring trees in 16 forests worldwide reveal details of unique ecological processes in each forest, and provide windows into their evolutionary histories. PLoS Computational Biology, 2021, 17, e1008853.	1.5	1
356	Editorial: Intact Forests. Frontiers in Forests and Global Change, 2021, 4, .	1.0	1
357	Examining land surface phenology in the tropical moist forest eco-zone of South America. International Journal of Biometeorology, 2020, 64, 1911-1922.	1.3	0
358	Net national metabolism as a fine-scale metric of energetic biophysical size in an industrialised country. Infrastructure Asset Management, 0, , 205301962110386.	1.2	0
359	The carbon balance of the tropical forest biome. SEB Experimental Biology Series, 2005, , 217-34.	0.1	0
360	Title is missing!. , 2020, 15, e0231553.		0

#	Article	IF	Citations
361	Title is missing!. , 2020, 15, e0231553.		0
362	Title is missing!. , 2020, 15, e0231553.		0
363	Title is missing!. , 2020, 15, e0231553.		0
364	Termite diversity is resilient to landâ€use change along a forestâ€cocoa intensification gradient in Ghana, West Africa. Biotropica, 0, , .	0.8	0