

Oliver L Phillips

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.

324
papers

39,165
citations

88
h-index

195
g-index

352
ext. papers

45,837
ext. citations

9.1
avg, IF

6.63
L-index

#	Paper	IF	Citations
324	Extinction risk from climate change. <i>Nature</i> , 2004 , 427, 145-8	50.4	4902
323	A large and persistent carbon sink in the world's forests. <i>Science</i> , 2011 , 333, 988-93	33.3	3950
322	TRY is a global database of plant traits. <i>Global Change Biology</i> , 2011 , 17, 2905-2935	11.4	1623
321	Drought sensitivity of the Amazon rainforest. <i>Science</i> , 2009 , 323, 1344-7	33.3	1213
320	The 2010 Amazon drought. <i>Science</i> , 2011 , 331, 554	33.3	783
319	Increasing carbon storage in intact African tropical forests. <i>Nature</i> , 2009 , 457, 1003-6	50.4	714
318	Hyperdominance in the Amazonian tree flora. <i>Science</i> , 2013 , 342, 1243092	33.3	637
317	Changes in the carbon balance of tropical forests: evidence from long-term plots. <i>Science</i> , 1998 , 282, 439-42	33.3	592
316	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015 , 519, 344-8	50.4	583
315	Variation in wood density determines spatial patterns in Amazonian forest biomass. <i>Global Change Biology</i> , 2004 , 10, 545-562	11.4	535
314	Continental-scale patterns of canopy tree composition and function across Amazonia. <i>Nature</i> , 2006 , 443, 444-7	50.4	508
313	The useful plants of Tambopata, Peru: I. Statistical hypotheses tests with a new quantitative technique. <i>Economic Botany</i> , 1993 , 47, 15-32	1.7	475
312	Increasing dominance of large lianas in Amazonian forests. <i>Nature</i> , 2002 , 418, 770-4	50.4	428
311	The regional variation of aboveground live biomass in old-growth Amazonian forests. <i>Global Change Biology</i> , 2006 , 12, 1107-1138	11.4	424
310	The Structure, Distribution, and Biomass of the World's Forests. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013 , 44, 593-622	13.5	419
309	Drought-mortality relationships for tropical forests. <i>New Phytologist</i> , 2010 , 187, 631-46	9.8	400
308	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399

307	Increasing turnover through time in tropical forests. <i>Science</i> , 1994 , 263, 954-8	33.3	395
306	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. <i>Biogeosciences</i> , 2012 , 9, 2203-2246	4.6	387
305	The above-ground coarse wood productivity of 104 Neotropical forest plots. <i>Global Change Biology</i> , 2004 , 10, 563-591	11.4	366
304	Drought and ecosystem carbon cycling. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 765-773	5.8	359
303	An integrated pan-tropical biomass map using multiple reference datasets. <i>Global Change Biology</i> , 2016 , 22, 1406-20	11.4	358
302	Increasing biomass in Amazonian forest plots. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 353-65	5.8	347
301	Drought impact on forest carbon dynamics and fluxes in Amazonia. <i>Nature</i> , 2015 , 519, 78-82	50.4	341
300	Species loss and aboveground carbon storage in a tropical forest. <i>Science</i> , 2005 , 310, 1029-31	33.3	338
299	Pattern and process in Amazon tree turnover, 1976-2001. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 381-407	5.8	325
298	Drought sensitivity of Amazonian carbon balance revealed by atmospheric measurements. <i>Nature</i> , 2014 , 506, 76-80	50.4	323
297	Height-diameter allometry of tropical forest trees. <i>Biogeosciences</i> , 2011 , 8, 1081-1106	4.6	311
296	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. <i>Nature Communications</i> , 2018 , 9, 536	17.4	304
295	Dynamics and species richness of tropical rain forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 2805-9	11.5	303
294	A spatial model of tree diversity and tree density for the Amazon. <i>Biodiversity and Conservation</i> , 2003 , 12, 2255-2277	3.4	298
293	Simulated resilience of tropical rainforests to CO ₂ -induced climate change. <i>Nature Geoscience</i> , 2013 , 6, 268-273	18.3	293
292	The useful plants of Tambopata, Peru: II. Additional hypothesis testing in quantitative ethnobotany. <i>Economic Botany</i> , 1993 , 47, 33-43	1.7	291
291	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , 2012 , 9, 3381-3403	4.6	289
290	Quantitative Ethnobotany and Amazonian Conservation. <i>Conservation Biology</i> , 1994 , 8, 225-248	6	284

289	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017 , 355, 925-931	33.3	280
288	Basin-wide variations in foliar properties of Amazonian forest: phylogeny, soils and climate. <i>Biogeosciences</i> , 2009 , 6, 2677-2708	4.6	248
287	Habitat association among Amazonian tree species: a landscape-scale approach. <i>Journal of Ecology</i> , 2003 , 91, 757-775	6	245
286	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
285	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). <i>Journal of Vegetation Science</i> , 2002 , 13, 439-450	3.1	242
284	Effect of 7 yr of experimental drought on vegetation dynamics and biomass storage of an eastern Amazonian rainforest. <i>New Phytologist</i> , 2010 , 187, 579-91	9.8	236
283	Intensification of the Amazon hydrological cycle over the last two decades. <i>Geophysical Research Letters</i> , 2013 , 40, 1729-1733	4.9	233
282	The high value of logged tropical forests: lessons from northern Borneo. <i>Biodiversity and Conservation</i> , 2010 , 19, 985-997	3.4	218
281	Concerted changes in tropical forest structure and dynamics: evidence from 50 South American long-term plots. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 421-36	5.8	213
280	Drivers and mechanisms of tree mortality in moist tropical forests. <i>New Phytologist</i> , 2018 , 219, 851-869	9.8	209
279	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1906-1917	6.1	209
278	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
277	Above-ground biomass and structure of 260 African tropical forests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120295	5.8	204
276	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019 , 569, 404-408	50.4	203
275	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020 , 579, 80-87	50.4	202
274	Prediction of neotropical tree and liana species richness from soil and climatic data. <i>Biodiversity and Conservation</i> , 1995 , 4, 56-90	3.4	201
273	Regional and seasonal patterns of litterfall in tropical South America. <i>Biogeosciences</i> , 2010 , 7, 43-55	4.6	190
272	Above- and below-ground net primary productivity across ten Amazonian forests on contrasting soils. <i>Biogeosciences</i> , 2009 , 6, 2759-2778	4.6	182

271	Fingerprinting the impacts of global change on tropical forests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 437-62	5.8	180
270	The biogeography and filtering of woody plant functional diversity in North and South America. <i>Global Ecology and Biogeography</i> , 2012 , 21, 798-808	6.1	179
269	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017 , 7, 39102	4.9	177
268	Detecting trends in tree growth: not so simple. <i>Trends in Plant Science</i> , 2013 , 18, 11-7	13.1	171
267	The changing Amazon forest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 1819-27	5.8	168
266	What controls tropical forest architecture? Testing environmental, structural and floristic drivers. <i>Global Ecology and Biogeography</i> , 2012 , 21, 1179-1190	6.1	158
265	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019 , 25, 39-56	11.4	158
264	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015 , 6, 6857	17.4	157
263	Variation in above-ground forest biomass across broad climatic gradients. <i>Global Ecology and Biogeography</i> , 2011 , 20, 744-754	6.1	156
262	Environmental change and the carbon balance of Amazonian forests. <i>Biological Reviews</i> , 2014 , 89, 913-313.5	13.5	150
261	The global relationship between forest productivity and biomass. <i>Global Ecology and Biogeography</i> , 2007 , 16, 618-631	6.1	150
260	Amazon forest response to repeated droughts. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 964-982	5.9	149
259	Geological control of floristic composition in Amazonian forests. <i>Journal of Biogeography</i> , 2011 , 38, 2136-2149	14.9	142
258	Tropical forest tree mortality, recruitment and turnover rates: calculation, interpretation and comparison when census intervals vary. <i>Journal of Ecology</i> , 2004 , 92, 929-944	6	137
257	Remote sensing detection of droughts in Amazonian forest canopies. <i>New Phytologist</i> , 2010 , 187, 733-50.8	5.8	135
256	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. <i>Nature Communications</i> , 2014 , 5, 3434	17.4	128
255	Ecosystem heterogeneity determines the ecological resilience of the Amazon to climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 793-7	11.5	127
254	ForestPlots.net: a web application and research tool to manage and analyse tropical forest plot data. <i>Journal of Vegetation Science</i> , 2011 , 22, 610-613	3.1	126

253	CHANGES IN GROWTH OF TROPICAL FORESTS: EVALUATING POTENTIAL BIASES 2002 , 12, 576-587		123
252	Growth and wood density predict tree mortality in Amazon forests. <i>Journal of Ecology</i> , 2008 , 96, 281-292		122
251	The importance of crown dimensions to improve tropical tree biomass estimates 2014 , 24, 680-98		120
250	LARGE LIANAS AS HYPERDYNAMIC ELEMENTS OF THE TROPICAL FOREST CANOPY. <i>Ecology</i> , 2005 , 86, 1250-1258	4.6	120
249	Local values for harvested forest plants in Madre de Dios, Peru: Towards a more contextualised interpretation of quantitative ethnobotanical data. <i>Biodiversity and Conservation</i> , 2005 , 14, 45-79	3.4	110
248	Topography shapes the structure, composition and function of tropical forest landscapes. <i>Ecology Letters</i> , 2018 , 21, 989-1000	10	108
247	Area-based vs tree-centric approaches to mapping forest carbon in Southeast Asian forests from airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2017 , 194, 77-88	13.2	105
246	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. <i>Global Change Biology</i> , 2015 , 21, 2283-95	11.4	105
245	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
244	The odd man out? Might climate explain the lower tree diversity of African rain forests relative to Amazonian rain forests?. <i>Journal of Ecology</i> , 2007 , 95, 1058-1071	6	99
243	sPlot: A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019 , 30, 161-186	3.1	96
242	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , 2017 , 40, 618-629	6.5	93
241	Regional and large-scale patterns in Amazon forest structure and function are mediated by variations in soil physical and chemical properties		93
240	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020 , 368, 869-874	33.3	92
239	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , 2015 , 1, e1500936	14.3	91
238	On the delineation of tropical vegetation types with an emphasis on forest/savanna transitions. <i>Plant Ecology and Diversity</i> , 2013 , 6, 101-137	2.2	91
237	Residence times of woody biomass in tropical forests. <i>Plant Ecology and Diversity</i> , 2013 , 6, 139-157	2.2	90
236	Efficient plot-based floristic assessment of tropical forests. <i>Journal of Tropical Ecology</i> , 2003 , 19, 629-645	3	88

235	SAR tomography for the retrieval of forest biomass and height: Cross-validation at two tropical forest sites in French Guiana. <i>Remote Sensing of Environment</i> , 2016 , 175, 138-147	13.2	87
234	The RAINFOR database: monitoring forest biomass and dynamics. <i>Journal of Vegetation Science</i> , 2007 , 18, 535-542	3.1	87
233	Tropical forests and global atmospheric change: a synthesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 549-55	5.8	87
232	Amazon palm biomass and allometry. <i>Forest Ecology and Management</i> , 2013 , 310, 994-1004	3.9	84
231	The impact of global climate change on tropical forest biodiversity in Amazonia. <i>Global Ecology and Biogeography</i> , 2004 , 13, 553-565	6.1	82
230	Variation in potential for isoprene emissions among Neotropical forest sites. <i>Global Change Biology</i> , 2004 , 10, 630-650	11.4	80
229	Using repeated small-footprint LiDAR acquisitions to infer spatial and temporal variations of a high-biomass Neotropical forest. <i>Remote Sensing of Environment</i> , 2015 , 169, 93-101	13.2	79
228	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , 2018 , 8, 1003	4.9	78
227	Long-term carbon sink in Borneo's forests halted by drought and vulnerable to edge effects. <i>Nature Communications</i> , 2017 , 8, 1966	17.4	77
226	Low stocks of coarse woody debris in a southwest Amazonian forest. <i>Oecologia</i> , 2007 , 152, 495-504	2.9	76
225	Long-term environmental change in tropical forests: increasing tree turnover. <i>Environmental Conservation</i> , 1996 , 23, 235-248	3.3	75
224	Liana Impacts on Carbon Cycling, Storage and Sequestration in Tropical Forests. <i>Biotropica</i> , 2013 , 45, 682-692	2.3	73
223	The productivity, metabolism and carbon cycle of two lowland tropical forest plots in south-western Amazonia, Peru. <i>Plant Ecology and Diversity</i> , 2014 , 7, 85-105	2.2	73
222	Branch xylem density variations across the Amazon Basin. <i>Biogeosciences</i> , 2009 , 6, 545-568	4.6	73
221	What controls liana success in Neotropical forests?. <i>Global Ecology and Biogeography</i> , 2008 , 17, 372-383	6.1	73
220	Recent Amazon climate as background for possible ongoing and future changes of Amazon humid forests. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 1384-1399	5.9	72
219	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). <i>Geoscientific Model Development</i> , 2014 , 7, 1251-1269	6.3	72
218	Liana infestation impacts tree growth in a lowland tropical moist forest. <i>Biogeosciences</i> , 2009 , 6, 2217-2226	4.6	72

217	Do species traits determine patterns of wood production in Amazonian forests?. <i>Biogeosciences</i> , 2009 , 6, 297-307	4.6	72
216	Using the U-net convolutional network to map forest types and disturbance in the Atlantic rainforest with very high resolution images. <i>Remote Sensing in Ecology and Conservation</i> , 2019 , 5, 360-375	5.3	71
215	Disequilibrium and hyperdynamic tree turnover at the forest-savanna transition zone in southern Amazonia. <i>Plant Ecology and Diversity</i> , 2014 , 7, 281-292	2.2	70
214	The carbon balance of South America: a review of the status, decadal trends and main determinants. <i>Biogeosciences</i> , 2012 , 9, 5407-5430	4.6	70
213	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. <i>Global Change Biology</i> , 2009 , 15, 2418-2430	11.4	70
212	Tree Community Change across 700 km of Lowland Amazonian Forest from the Andean Foothills to Brazil. <i>Biotropica</i> , 2008 , 40, 525-535	2.3	70
211	The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. <i>New Phytologist</i> , 2017 , 214, 1019-1032	9.8	68
210	A comparison of fine-scale distribution patterns of four plant groups in an Amazonian rainforest. <i>Ecography</i> , 2000 , 23, 349-359	6.5	68
209	Fires increase Amazon forest productivity through increases in diffuse radiation. <i>Geophysical Research Letters</i> , 2015 , 42, 4654-4662	4.9	65
208	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. <i>Ecology Letters</i> , 2017 , 20, 730-740	10	62
207	Methods to estimate aboveground wood productivity from long-term forest inventory plots. <i>Forest Ecology and Management</i> , 2014 , 320, 30-38	3.9	62
206	Leaf-level photosynthetic capacity in lowland Amazonian and high-elevation Andean tropical moist forests of Peru. <i>New Phytologist</i> , 2017 , 214, 1002-1018	9.8	62
205	Variations in Amazon forest productivity correlated with foliar nutrients and modelled rates of photosynthetic carbon supply. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 3316-29	5.8	61
204	The changing ecology of tropical forests. <i>Biodiversity and Conservation</i> , 1997 , 6, 291-311	3.4	60
203	Tropical forest wood production: a cross-continental comparison. <i>Journal of Ecology</i> , 2014 , 102, 1025-1087		58
202	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. <i>Biota Neotropica</i> , 2008 , 8, 21-29		58
201	Carbon uptake by mature Amazon forests has mitigated Amazon nations' carbon emissions. <i>Carbon Balance and Management</i> , 2017 , 12, 1	3.6	56
200	Ground Data are Essential for Biomass Remote Sensing Missions. <i>Surveys in Geophysics</i> , 2019 , 40, 863-880	9.6	56

199	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , 2015 , 21, 1295-1307	5	56
198	How do trees die? Mode of death in northern Amazonia. <i>Journal of Vegetation Science</i> , 2009 , 20, 260-268	3.1	56
197	Disentangling regional and local tree diversity in the Amazon. <i>Ecography</i> , 2009 , 32, 46-54	6.5	54
196	Infestation of trees by lianas in a tropical forest in Amazonian Peru. <i>Journal of Vegetation Science</i> , 2008 , 19, 747-756	3.1	54
195	Individual tree crown delineation in a highly diverse tropical forest using very high resolution satellite images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 145, 362-377	11.8	54
194	Field methods for sampling tree height for tropical forest biomass estimation. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1179-1189	7.7	53
193	The Importance of Consistent Global Forest Aboveground Biomass Product Validation. <i>Surveys in Geophysics</i> , 2019 , 40, 979-999	7.6	53
192	Evidence for arrested succession in a liana-infested Amazonian forest. <i>Journal of Ecology</i> , 2016 , 104, 149-159	6	52
191	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1366-1383	6.1	52
190	Global species–energy relationship in forest plots: role of abundance, temperature and species climatic tolerances. <i>Global Ecology and Biogeography</i> , 2011 , 20, 842-856	6.1	51
189	Structural, physiognomic and above-ground biomass variation in savanna–forest transition zones on three continents: how different are co-occurring savanna and forest formations?. <i>Biogeosciences</i> , 2015 , 12, 2927-2951	4.6	50
188	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 2014 , 17, 527-36	10	48
187	Forest biomass density across large climate gradients in northern South America is related to water availability but not with temperature. <i>PLoS ONE</i> , 2017 , 12, e0171072	3.7	46
186	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
185	Land cover change and carbon emissions over 100 years in an African biodiversity hotspot. <i>Global Change Biology</i> , 2016 , 22, 2787-800	11.4	43
184	Differences in leaf thermoregulation and water use strategies between three co-occurring Atlantic forest tree species. <i>Plant, Cell and Environment</i> , 2018 , 41, 1618-1631	8.4	42
183	Multi-scale comparisons of tree composition in Amazonian terra firme forests. <i>Biogeosciences</i> , 2009 , 6, 2719-2731	4.6	42
182	Latitudinal patterns of range size and species richness of New World woody plants. <i>Global Ecology and Biogeography</i> , 2007 , 16, 679-688	6.1	42

181	Impacts of selective logging on tree diversity across a rainforest landscape: the importance of spatial scale. <i>Landscape Ecology</i> , 2008 , 23, 915	4.3	42
180	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. <i>Trends in Ecology and Evolution</i> , 2017 , 32, 258-267	10.9	41
179	Wood density and stocks of coarse woody debris in a northwestern Amazonian landscape. <i>Canadian Journal of Forest Research</i> , 2008 , 38, 795-805	1.9	41
178	The potential for harvesting fruits in tropical rainforests: new data from Amazonian Peru. <i>Biodiversity and Conservation</i> , 1993 , 2, 18-38	3.4	41
177	Edaphic, structural and physiological contrasts across Amazon Basin forest-savanna ecotones suggest a role for potassium as a key modulator of tropical woody vegetation structure and function. <i>Biogeosciences</i> , 2015 , 12, 6529-6571	4.6	40
176	Drier tropical forests are susceptible to functional changes in response to a long-term drought. <i>Ecology Letters</i> , 2019 , 22, 855-865	10	39
175	After trees die: quantities and determinants of necromass across Amazonia. <i>Biogeosciences</i> , 2009 , 6, 1615-1626	4.6	39
174	A calibration method for the crown illumination index for assessing forest light environments. <i>Forest Ecology and Management</i> , 2007 , 242, 431-437	3.9	39
173	Influence of landscape heterogeneity on spatial patterns of wood productivity, wood specific density and above ground biomass in Amazonia. <i>Biogeosciences</i> , 2009 , 6, 1883-1902	4.6	37
172	New views on an old forest: assessing the longevity, resilience and future of the Amazon rainforest. <i>Transactions of the Institute of British Geographers</i> , 2005 , 30, 477-499	2.5	37
171	Above- and below-ground net primary productivity across ten Amazonian forests on contrasting soils		37
170	Allpahuayo: Floristics, Structure, and Dynamics of a High-Diversity Forest in Amazonian Peru. <i>Annals of the Missouri Botanical Garden</i> , 2000 , 87, 499	1.8	36
169	Low Phylogenetic Beta Diversity and Geographic Neo-endemism in Amazonian White-sand Forests. <i>Biotropica</i> , 2016 , 48, 34-46	2.3	36
168	Basin-wide variations in Amazon forest nitrogen-cycling characteristics as inferred from plant and soil 15N:14N measurements. <i>Plant Ecology and Diversity</i> , 2014 , 7, 173-187	2.2	35
167	Soil physical conditions limit palm and tree basal area in Amazonian forests. <i>Plant Ecology and Diversity</i> , 2014 , 7, 215-229	2.2	35
166	Biogeographic distributions of neotropical trees reflect their directly measured drought tolerances. <i>Scientific Reports</i> , 2017 , 7, 8334	4.9	35
165	Floristics and biogeography of vegetation in seasonally dry tropical regions. <i>International Forestry Review</i> , 2015 , 17, 10-32	0.9	34
164	The sensitivity of wood production to seasonal and interannual variations in climate in a lowland Amazonian rainforest. <i>Oecologia</i> , 2014 , 174, 295-306	2.9	34

163	Coordination of physiological and structural traits in Amazon forest trees. <i>Biogeosciences</i> , 2012 , 9, 775-806	11.6	34
162	Using learning networks to understand complex systems: a case study of biological, geophysical and social research in the Amazon. <i>Biological Reviews</i> , 2011 , 86, 457-74	13.5	34
161	Alien and native plants show contrasting responses to climate and land use in Europe. <i>Global Ecology and Biogeography</i> , 2011 , 20, 367-379	6.1	33
160	Extensive 21st-Century Woody Encroachment in South America's Savanna. <i>Geophysical Research Letters</i> , 2019 , 46, 6594-6603	4.9	32
159	Evaluating the tropical forest carbon sink. <i>Global Change Biology</i> , 2014 , 20, 2039-41	11.4	31
158	Uncertainty in predictions of extinction risk/Effects of changes in climate and land use/Climate change and extinction risk (reply). <i>Nature</i> , 2004 , 430, 34-34	50.4	31
157	Height-diameter allometry of tropical forest trees		31
156	Environmental effects on Neotropical liana species richness. <i>Journal of Biogeography</i> , 2009 , 36, 1561-1572	12.1	30
155	Tree height integrated into pan-tropical forest biomass estimates		30
154	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. <i>Biogeosciences</i> , 2018 , 15, 3811-3830	4.6	29
153	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. <i>Scientific Data</i> , 2019 , 6, 198	8.2	29
152	Spatial trends in leaf size of Amazonian rainforest trees. <i>Biogeosciences</i> , 2009 , 6, 1563-1576	4.6	29
151	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	29
150	Long-term droughts may drive drier tropical forests towards increased functional, taxonomic and phylogenetic homogeneity. <i>Nature Communications</i> , 2020 , 11, 3346	17.4	28
149	ENSO Drives interannual variation of forest woody growth across the tropics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	28
148	Resilience of southwestern Amazon forests to anthropogenic edge effects. <i>Conservation Biology</i> , 2006 , 20, 1698-710	6	27
147	Species Matter: Wood Density Influences Tropical Forest Biomass at Multiple Scales. <i>Surveys in Geophysics</i> , 2019 , 40, 913-935	7.6	25
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