

Oliver L Phillips

List of Publications by Year in Descending Order

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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	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
323	Aboveground forest biomass varies across continents, ecological zones and successional stages: refined IPCC default values for tropical and subtropical forests. <i>Environmental Research Letters</i> , 2022 , 17, 014047	6.2	5
322	Contrasting responses of woody and grassland ecosystems to increased CO as water supply varies.. <i>Nature Ecology and Evolution</i> , 2022 ,	12.3	2
321	A comprehensive framework for assessing the accuracy and uncertainty of global above-ground biomass maps. <i>Remote Sensing of Environment</i> , 2022 , 272, 112917	13.2	2
320	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. <i>Remote Sensing of Environment</i> , 2022 , 270, 112845	13.2	11
319	Primary modes of tree mortality in southwestern Amazon forests. <i>Trees, Forests and People</i> , 2022 , 7, 100180	1.8	
318	Retention of deposited ammonium and nitrate and its impact on the global forest carbon sink.. <i>Nature Communications</i> , 2022 , 13, 880	17.4	5
317	MODIS Vegetation Continuous Fields tree cover needs calibrating in tropical savannas. <i>Biogeosciences</i> , 2022 , 19, 1377-1394	4.6	0
316	Relationships between species richness and ecosystem services in Amazonian forests strongly influenced by biogeographical strata and forest types.. <i>Scientific Reports</i> , 2022 , 12, 5960	4.9	0
315	Functional diversity and regeneration traits of tree communities in the Amazon-Cerrado transition. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021 , 285, 151952	1.9	0
314	Confronting ethical challenges in long-term research programs in the tropics. <i>Biological Conservation</i> , 2021 , 255, 108933	6.2	2
313	Non-structural carbohydrates mediate seasonal water stress across Amazon forests. <i>Nature Communications</i> , 2021 , 12, 2310	17.4	13
312	Mature Andean forests as globally important carbon sinks and future carbon refuges. <i>Nature Communications</i> , 2021 , 12, 2138	17.4	6
311	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021 , 5, 757-767	12.3	5
310	Resistance of African tropical forests to an extreme climate anomaly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10
309	sPlotOpen [An environmentally balanced, open-access, global dataset of vegetation plots. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1740-1764	6.1	6
308	Intensive field sampling increases the known extent of carbon-rich Amazonian peatland pole forests. <i>Environmental Research Letters</i> , 2021 , 16, 074048	6.2	5

307	Expanding tropical forest monitoring into Dry Forests: The DRYFLOR protocol for permanent plots. <i>Plants People Planet</i> , 2021 , 3, 295-300	4.1	9
306	From plots to policy: How to ensure long-term forest plot data supports environmental management in intact tropical forest landscapes. <i>Plants People Planet</i> , 2021 , 3, 229-237	4.1	3
305	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021 , 252, 112122	13.2	15
304	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , 2021 , 30, 459-475	6.1	6
303	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , 2021 , 253, 108889	6.2	12
302	Dynamics and multi-annual fate of atmospherically deposited nitrogen in montane tropical forests. <i>Global Change Biology</i> , 2021 , 27, 2076-2087	11.4	5
301	Multiple environmental factors regulate the large-scale patterns of plant water use efficiency and nitrogen availability across China's forests. <i>Environmental Research Letters</i> , 2021 , 16, 034026	6.2	2
300	High aboveground carbon stock of African tropical montane forests. <i>Nature</i> , 2021 , 596, 536-542	50.4	10
299	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021 , 260, 108849	6.2	15
298	Large-scale variations in the dynamics of Amazon forest canopy gaps from airborne lidar data and opportunities for tree mortality estimates. <i>Scientific Reports</i> , 2021 , 11, 1388	4.9	9
297	The impact of long dry periods on the aboveground biomass in a tropical forests: 20 years of monitoring. <i>Carbon Balance and Management</i> , 2020 , 15, 12	3.6	5
296	The potential for REDD+ to reduce forest degradation in Vietnam. <i>Environmental Research Letters</i> , 2020 , 15, 074025	6.2	4
295	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020 , 368, 869-874	33.3	92
294	Drought generates large, long-term changes in tree and liana regeneration in a monodominant Amazon forest. <i>Plant Ecology</i> , 2020 , 221, 733-747	1.7	5
293	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020 , 10, 10130	4.9	24
292	Conceptualising the Global Forest Response to Liana Proliferation. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	11
291	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. <i>Ecology</i> , 2020 , 101, e03052	4.6	24
290	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020 , 579, 80-87	50.4	202

289	Limited biomass recovery from gold mining in Amazonian forests. <i>Journal of Applied Ecology</i> , 2020 , 57, 1730-1740	5.8	7
288	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
287	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1495-1514	6.1	21
286	Causes and consequences of liana infestation in southern Amazonia. <i>Journal of Ecology</i> , 2020 , 108, 2184-2197	4	
285	Variations in soil chemical and physical properties explain basin-wide Amazon forest soil carbon concentrations. <i>Soil</i> , 2020 , 6, 53-88	5.8	16
284	Assessment of Bias in Pan-Tropical Biomass Predictions. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	11
283	Palms and trees resist extreme drought in Amazon forests with shallow water tables. <i>Journal of Ecology</i> , 2020 , 108, 2070-2082	6	13
282	Mapping Atlantic rainforest degradation and regeneration history with indicator species using convolutional network. <i>PLoS ONE</i> , 2020 , 15, e0229448	3.7	20
281	Logging intensity drives variability in carbon stocks in lowland forests in Vietnam. <i>Forest Ecology and Management</i> , 2020 , 460, 117863	3.9	8
280	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
279	Regional Mapping and Spatial Distribution Analysis of Canopy Palms in an Amazon Forest Using Deep Learning and VHR Images. <i>Remote Sensing</i> , 2020 , 12, 2225	5	12
278	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020 , 11, 5515	17.4	24
277	Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1799-1816	6.1	19
276	Tree diversity and above-ground biomass in the South America Cerrado biome and their conservation implications. <i>Biodiversity and Conservation</i> , 2020 , 29, 1519-1536	3.4	19
275	Soil water-holding capacity and monodominance in Southern Amazon tropical forests. <i>Plant and Soil</i> , 2020 , 450, 65-79	4.2	6
274	Mapping Atlantic rainforest degradation and regeneration history with indicator species using convolutional network 2020 , 15, e0229448		
273	Mapping Atlantic rainforest degradation and regeneration history with indicator species using convolutional network 2020 , 15, e0229448		
272	Mapping Atlantic rainforest degradation and regeneration history with indicator species using convolutional network 2020 , 15, e0229448		

271	Mapping Atlantic rainforest degradation and regeneration history with indicator species using convolutional network 2020 , 15, e0229448		
270	Impacts of Fire on Forest Biomass Dynamics at the Southern Amazon Edge. <i>Environmental Conservation</i> , 2019 , 46, 285-292	3.3	11
269	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019 , 9, 13822	4.9	19
268	The persistence of carbon in the African forest understory. <i>Nature Plants</i> , 2019 , 5, 133-140	11.5	19
267	Dominant tree species drive beta diversity patterns in western Amazonia. <i>Ecology</i> , 2019 , 100, e02636	4.6	13
266	sPlot DA new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019 , 30, 161-186	3.1	96
265	Comparative phylogeography of five widespread tree species: Insights into the history of western Amazonia. <i>Ecology and Evolution</i> , 2019 , 9, 7333-7345	2.8	10
264	Extensive 21st-Century Woody Encroachment in South America's Savanna. <i>Geophysical Research Letters</i> , 2019 , 46, 6594-6603	4.9	32
263	Species Matter: Wood Density Influences Tropical Forest Biomass at Multiple Scales. <i>Surveys in Geophysics</i> , 2019 , 40, 913-935	7.6	25
262	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019 , 569, 404-408	50.4	203
261	Quantifying Canopy Tree Loss and Gap Recovery in Tropical Forests under Low-Intensity Logging Using VHR Satellite Imagery and Airborne LiDAR. <i>Remote Sensing</i> , 2019 , 11, 817	5	17
260	Securing the climate benefits of stable forests. <i>Climate Policy</i> , 2019 , 19, 845-860	5.3	18
259	Ground Data are Essential for Biomass Remote Sensing Missions. <i>Surveys in Geophysics</i> , 2019 , 40, 863-880	9.6	56
258	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
257	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
256	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	12
255	Scaling issues of neutral theory reveal violations of ecological equivalence for dominant Amazonian tree species. <i>Ecology Letters</i> , 2019 , 22, 1072-1082	10	4
254	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

253	The Importance of Consistent Global Forest Aboveground Biomass Product Validation. <i>Surveys in Geophysics</i> , 2019 , 40, 979-999	7.6	53
252	Reconciling the contribution of environmental and stochastic structuring of tropical forest diversity through the lens of imaging spectroscopy. <i>Ecology Letters</i> , 2019 , 22, 1608-1619	10	3
251	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
250	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1754-1761	12.3	17
249	EL EL SUMIDERO DE CARBONO EN LOS BOSQUES PRIMARIOS AMAZONICOS ES UNA OPORTUNIDAD PARA LOGRAR LA SOSTENIBILIDAD DE SU CONSERVACION. <i>Folia Amazonica</i> , 2019 , 27, 101-109	2.5	4
248	Imaging spectroscopy predicts variable distance decay across contrasting Amazonian tree communities. <i>Journal of Ecology</i> , 2019 , 107, 696-710	6	17
247	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019 , 25, 39-56	11.4	158
246	Collapse of ecosystem carbon stocks due to forest conversion to soybean plantations at the Amazon-Cerrado transition. <i>Forest Ecology and Management</i> , 2018 , 414, 64-73	3.9	21
245	Topography shapes the structure, composition and function of tropical forest landscapes. <i>Ecology Letters</i> , 2018 , 21, 989-1000	10	108
244	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
243	Drivers and mechanisms of tree mortality in moist tropical forests. <i>New Phytologist</i> , 2018 , 219, 851-869	9.8	209
242	Fates of atmospheric deposited nitrogen in an Asian tropical primary forest. <i>Forest Ecology and Management</i> , 2018 , 411, 213-222	3.9	18
241	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. <i>Nature Communications</i> , 2018 , 9, 536	17.4	304
240	Recent progress in understanding climate thresholds: Ice sheets, the Atlantic meridional overturning circulation, tropical forests and responses to ocean acidification. <i>Progress in Physical Geography</i> , 2018 , 42, 24-60	3.5	14
239	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , 2018 , 8, 1003	4.9	78
238	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
237	Climate and fragmentation affect forest structure at the southern border of Amazonia. <i>Plant Ecology and Diversity</i> , 2018 , 11, 13-25	2.2	7
236	High nitrogen isotope fractionation of nitrate during denitrification in four forest soils and its implications for denitrification rate estimates. <i>Science of the Total Environment</i> , 2018 , 633, 1078-1088	10.2	19

235	Environmental drivers of forest structure and stem turnover across Venezuelan tropical forests. <i>PLoS ONE</i> , 2018 , 13, e0198489	3.7	16
234	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
233	Idiosyncratic soil-tree species associations and their relationships with drought in a monodominant Amazon forest. <i>Acta Oecologica</i> , 2018 , 91, 127-136	1.7	5
232	Peatland forests are the least diverse tree communities documented in Amazonia, but contribute to high regional beta-diversity. <i>Ecography</i> , 2018 , 41, 1256-1269	6.5	23
231	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1906-1917	11.1	209
230	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
229	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
228	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1366-1383	6.1	52
227	Effects of long-term increased N deposition on tropical montane forest soil N ₂ and N ₂ O emissions. <i>Soil Biology and Biochemistry</i> , 2018 , 126, 194-203	7.5	21
226	Savanna turning into forest: concerted vegetation change at the ecotone between the Amazon and Cerrado biomes. <i>Revista Brasileira De Botanica</i> , 2018 , 41, 611-619	1.2	11
225	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , 2017 , 40, 618-629	6.5	93
224	Scaling leaf respiration with nitrogen and phosphorus in tropical forests across two continents. <i>New Phytologist</i> , 2017 , 214, 1064-1077	9.8	19
223	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017 , 7, 39102	4.9	177
222	Carbon uptake by mature Amazon forests has mitigated Amazon nations' carbon emissions. <i>Carbon Balance and Management</i> , 2017 , 12, 1	3.6	56
221	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. <i>Trends in Ecology and Evolution</i> , 2017 , 32, 258-267	10.9	41
220	Carbon concentration declines with decay class in tropical forest woody debris. <i>Forest Ecology and Management</i> , 2017 , 391, 75-85	3.9	9
219	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017 , 355, 925-931	33.3	280
218	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

217	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
216	Biogeographic distributions of neotropical trees reflect their directly measured drought tolerances. <i>Scientific Reports</i> , 2017 , 7, 8334	4.9	35
215	Does soil pyrogenic carbon determine plant functional traits in Amazon Basin forests?. <i>Plant Ecology</i> , 2017 , 218, 1047-1062	1.7	2
214	Amazon Basin forest pyrogenic carbon stocks: First estimate of deep storage. <i>Geoderma</i> , 2017 , 306, 237-243	6.7	20
213	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
212	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
211	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
210	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
209	Recent Changes in Amazon Forest Biomass and Dynamics. <i>Ecological Studies</i> , 2016 , 191-224	1.1	8
208	Aboveground biomass estimation in tropical forests at single tree level with ALS data 2016 ,		1
207	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
206	Amazon forest response to repeated droughts. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 964-982	5.9	149
205	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
204	Evidence for arrested succession in a liana-infested Amazonian forest. <i>Journal of Ecology</i> , 2016 , 104, 149-159	6	52
203	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
202	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
201	An integrated pan-tropical biomass map using multiple reference datasets. <i>Global Change Biology</i> , 2016 , 22, 1406-20	11.4	358
200	Patterns of tree species composition at watershed-scale in the Amazon Basin of deforestation implications for conservation. <i>Environmental Conservation</i> , 2016 , 43, 317-326	3.3	9

199	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	29
198	Consistent, small effects of treefall disturbances on the composition and diversity of four Amazonian forests. <i>Journal of Ecology</i> , 2016 , 104, 497-506	6	14
197	Low Phylogenetic Beta Diversity and Geographic Neo-endemism in Amazonian White-sand Forests. <i>Biotropica</i> , 2016 , 48, 34-46	2.3	36
196	Drought impact on forest carbon dynamics and fluxes in Amazonia. <i>Nature</i> , 2015 , 519, 78-82	50.4	341
195	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015 , 6, 6857	17.4	157
194	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015 , 519, 344-8	50.4	583
193	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
192	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , 2015 , 1, e1500936	14.3	91
191	Soil-induced impacts on forest structure drive coarse woody debris stocks across central Amazonia. <i>Plant Ecology and Diversity</i> , 2015 , 8, 229-241	2.2	14
190	Floristics and biogeography of vegetation in seasonally dry tropical regions. <i>International Forestry Review</i> , 2015 , 17, 10-32	0.9	34
189	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , 2015 , 21, 1295-1307	5	56
188	Fires increase Amazon forest productivity through increases in diffuse radiation. <i>Geophysical Research Letters</i> , 2015 , 42, 4654-4662	4.9	65
187	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
186	Ecology of Floodplain Campos de Murundus Savanna in Southern Amazonia. <i>International Journal of Plant Sciences</i> , 2015 , 176, 670-681	2.6	12
185	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
184	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
183	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
182	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. <i>Global Change Biology</i> , 2015 , 21, 2283-95	11.4	105

181	Large-scale patterns of turnover and Basal area change in Andean forests. <i>PLoS ONE</i> , 2015 , 10, e0126594	3.7	21
180	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
179	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 2014 , 17, 527-36	10	48
178	Tropical forest wood production: a cross-continental comparison. <i>Journal of Ecology</i> , 2014 , 102, 1025-1087		58
177	The importance of crown dimensions to improve tropical tree biomass estimates 2014 , 24, 680-98		120
176	Drought sensitivity of Amazonian carbon balance revealed by atmospheric measurements. <i>Nature</i> , 2014 , 506, 76-80	50.4	323
175	subsp. (Moraceae) reveals the role of ecology in the phylogeography of widespread Neotropical rain forest tree species. <i>Journal of Biogeography</i> , 2014 , 41, 1697-1709	4.1	18
174	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
173	Environmental change and the carbon balance of Amazonian forests. <i>Biological Reviews</i> , 2014 , 89, 913-313.5	13.5	150
172	Edaphic controls on ecosystem-level carbon allocation in two contrasting Amazon forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 1820-1830	3.7	8
171	Evaluating the tropical forest carbon sink. <i>Global Change Biology</i> , 2014 , 20, 2039-41	11.4	31
170	Shifting dynamics of climate-functional groups in old-growth Amazonian forests. <i>Plant Ecology and Diversity</i> , 2014 , 7, 267-279	2.2	18
169	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
168	Quantifying and understanding carbon storage and sequestration within the Eastern Arc Mountains of Tanzania, a tropical biodiversity hotspot. <i>Carbon Balance and Management</i> , 2014 , 9, 2	3.6	19
167	Dinámica, biomasa aérea y composición florística en parcelas permanentes Reserva Nacional Tambopata, Madre de Dios, Perú <i>Revista Peruana De Biología</i> , 2014 , 21,	1.2	4
166	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. <i>Nature Communications</i> , 2014 , 5, 3434	17.4	128
165	Impacts of lianas on forest-level carbon storage and sequestration 2014 , 164-174		4
164	The seasonal cycle of productivity, metabolism and carbon dynamics in a wet aseasonal forest in north-west Amazonia (Iquitos, Peru). <i>Plant Ecology and Diversity</i> , 2014 , 7, 71-83	2.2	22

163	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
162	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
161	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
160	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
159	Diversity, abundance and distribution of lianas of the Cerrado-Amazonian forest transition, Brazil. <i>Plant Ecology and Diversity</i> , 2014 , 7, 231-240	2.2	7
158	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
157	Residence times of woody biomass in tropical forests. <i>Plant Ecology and Diversity</i> , 2013 , 6, 139-157	2.2	90
156	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
155	Hyperdominance in the Amazonian tree flora. <i>Science</i> , 2013 , 342, 1243092	33.3	637
154	Amazon palm biomass and allometry. <i>Forest Ecology and Management</i> , 2013 , 310, 994-1004	3.9	84
153	Liana Impacts on Carbon Cycling, Storage and Sequestration in Tropical Forests. <i>Biotropica</i> , 2013 , 45, 682-692	2.3	73
152	Simulated resilience of tropical rainforests to CO ₂ -induced climate change. <i>Nature Geoscience</i> , 2013 , 6, 268-273	18.3	293
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20	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		4

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1	Very Low Stocks and Inputs of Necromass in Wind-affected Tropical Forests. <i>Ecosystems</i> ,1	3.9	1
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