

# Hans ter Steege

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6576973/hans-ter-steege-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

132  
papers

16,283  
citations

48  
h-index

127  
g-index

147  
ext. papers

19,244  
ext. citations

8.1  
avg. IF

5.72  
L-index

#	Paper	IF	Citations
132	Climate change threatens native potential agroforestry plant species in Brazil.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2267	4.9	2
131	Relationships between species richness and ecosystem services in Amazonian forests strongly influenced by biogeographical strata and forest types.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5960	4.9	0
130	Soil Fungal Community Composition Correlates with Site-Specific Abiotic Factors, Tree Community Structure, and Forest Age in Regenerating Tropical Rainforests. <i>Biology</i> , <b>2021</b> , 10,	4.9	1
129	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 757-767	12.3	5
128	Modeling the Ecological Responses of Tree Species to the Flood Pulse of the Amazon Negro River Floodplains. <i>Frontiers in Ecology and Evolution</i> , <b>2021</b> , 9,	3.7	2
127	The contribution of environmental and dispersal filters on phylogenetic and taxonomic beta diversity patterns in Amazonian tree communities. <i>Oecologia</i> , <b>2021</b> , 196, 1119-1137	2.9	2
126	The shadow of the Balbina dam: A synthesis of over 35 years of downstream impacts on floodplain forests in Central Amazonia. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2021</b> , 31, 1117-1135	3.6	12
125	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , <b>2021</b> , 260, 108849	6.2	15
124	Eighty-four per cent of all Amazonian arboreal plant individuals are useful to humans. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257875	3.7	0
123	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , <b>2020</b> , 368, 869-874	33.3	92
122	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , <b>2020</b> , 10, 10130	4.9	24
121	Modelling the distribution of Amazonian tree species in response to long-term climate change during the Mid-Late Holocene. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 1530-1540	4.1	4
120	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. <i>Ecology</i> , <b>2020</b> , 101, e03052	4.6	24
119	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 1495-1514	6.1	21
118	Extinction threat to neglected <i>Plinia edulis</i> exacerbated by climate change, yet likely mitigated by conservation through sustainable use. <i>Austral Ecology</i> , <b>2020</b> , 45, 376-383	1.5	3
117	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , <b>2020</b> , 11, 5515	17.4	24
116	Defining endemism levels for biodiversity conservation: Tree species in the Atlantic Forest hotspot. <i>Biological Conservation</i> , <b>2020</b> , 252, 108825	6.2	5

115	The erosion of biodiversity and biomass in the Atlantic Forest biodiversity hotspot. <i>Nature Communications</i> , <b>2020</b> , 11, 6347	17.4	26
114	Vertical distribution and diversity of epiphytic bryophytes in the Colombian Amazon. <i>Journal of Bryology</i> , <b>2019</b> , 41, 328-340	1.1	5
113	Carbon-diversity hotspots and their owners in Brazilian southeastern Savanna, Atlantic Forest and Semi-Arid Woodland domains. <i>Forest Ecology and Management</i> , <b>2019</b> , 452, 117575	3.9	9
112	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , <b>2019</b> , 9, 13822	4.9	19
111	Amazonian tree species threatened by deforestation and climate change. <i>Nature Climate Change</i> , <b>2019</b> , 9, 547-553	21.4	66
110	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , <b>2019</b> , 569, 404-408	50.4	203
109	Towards a dynamic list of Amazonian tree species. <i>Scientific Reports</i> , <b>2019</b> , 9, 3501	4.9	41
108	Scaling issues of neutral theory reveal violations of ecological equivalence for dominant Amazonian tree species. <i>Ecology Letters</i> , <b>2019</b> , 22, 1072-1082	10	4
107	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. <i>Scientific Data</i> , <b>2019</b> , 6, 198	8.2	29
106	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 1754-1761	12.3	17
105	Trees of Amazonian Ecuador: a taxonomically verified species list with data on abundance and distribution. <i>Ecology</i> , <b>2019</b> , 100, e02894	4.6	1
104	Going north and south: The biogeographic history of two Malvaceae in the wake of Neogene Andean uplift and connectivity between the Americas. <i>Review of Palaeobotany and Palynology</i> , <b>2019</b> , 264, 90-109	1.7	12
103	The pitfalls of biodiversity proxies: Differences in richness patterns of birds, trees and understudied diversity across Amazonia. <i>Scientific Reports</i> , <b>2019</b> , 9, 19205	4.9	10
102	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , <b>2019</b> , 25, 39-56	11.4	158
101	Species richness, composition, and spatial distribution of vascular epiphytes in Amazonian black-water floodplain forests. <i>Biodiversity and Conservation</i> , <b>2018</b> , 27, 1981-2002	3.4	3
100	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , <b>2018</b> , 8, 1003	4.9	78
99	Finding needles in the haystack: where to look for rare species in the American tropics. <i>Ecography</i> , <b>2018</b> , 41, 321-330	6.5	26
98	Water availability drives gradients of tree diversity, structure and functional traits in the Atlantic-Terrado-Caatinga transition, Brazil. <i>Journal of Plant Ecology</i> , <b>2018</b> , 11, 803-814	1.7	25

97	Conceptual and empirical advances in Neotropical biodiversity research. <i>PeerJ</i> , <b>2018</b> , 6, e5644	3.1	70
96	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 1366-1383	6.1	52
95	The role of recruitment and dispersal limitation in tree community assembly in Amazonian forests. <i>Plant Ecology and Diversity</i> , <b>2018</b> , 11, 1-12	2.2	6
94	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , <b>2017</b> , 40, 618-629	6.5	93
93	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , <b>2017</b> , 7, 39102	4.9	177
92	Forest conservation: Humans handprints. <i>Science</i> , <b>2017</b> , 355, 466-467	33.3	6
91	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , <b>2017</b> , 355, 925-931	33.3	280
90	Estimating species richness in hyper-diverse large tree communities. <i>Ecology</i> , <b>2017</b> , 98, 1444-1454	4.6	11
89	Estimating and interpreting migration of Amazonian forests using spatially implicit and semi-explicit neutral models. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 4254-4265	2.8	3
88	Tree dominance and diversity in Minas Gerais, Brazil. <i>Biodiversity and Conservation</i> , <b>2017</b> , 26, 2133-2153	3.4	12
87	Incorporating phylogenetic information for the definition of floristic districts in hyperdiverse Amazon forests: Implications for conservation. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 9639-9650	2.8	8
86	Response to Comment on "Persistent effects of pre-Columbian plant domestication on Amazonian forest composition". <i>Science</i> , <b>2017</b> , 358,	33.3	13
85	Composition, diversity and structure of vascular epiphytes in two contrasting Central Amazonian floodplain ecosystems. <i>Acta Botanica Brasílica</i> , <b>2017</b> , 31, 686-697	1	6
84	Does soil pyrogenic carbon determine plant functional traits in Amazon Basin forests?. <i>Plant Ecology</i> , <b>2017</b> , 218, 1047-1062	1.7	2
83	The discovery of the Amazonian tree flora with an updated checklist of all known tree taxa. <i>Scientific Reports</i> , <b>2016</b> , 6, 29549	4.9	70
82	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> , <b>2016</b> , 22, 3996-4013	11.4	99
81	Amazon forest response to repeated droughts. <i>Global Biogeochemical Cycles</i> , <b>2016</b> , 30, 964-982	5.9	149
80	Corrigendum to: New handbook for standardised measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , <b>2016</b> , 64, 715	1.2	166

79	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	29
78	Consistent, small effects of treefall disturbances on the composition and diversity of four Amazonian forests. <i>Journal of Ecology</i> , <b>2016</b> , 104, 497-506	6	14
77	Low Phylogenetic Beta Diversity and Geographic Neo-endemism in Amazonian White-sand Forests. <i>Biotropica</i> , <b>2016</b> , 48, 34-46	2.3	36
76	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , <b>2015</b> , 6, 6857	17.4	157
75	Long-term decline of the Amazon carbon sink. <i>Nature</i> , <b>2015</b> , 519, 344-8	50.4	583
74	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , <b>2015</b> , 1, e1500936	14.3	91
73	Bryophyte communities in the Amazon forest are regulated by height on the host tree and site elevation. <i>Journal of Ecology</i> , <b>2015</b> , 103, 441-450	6	36
72	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , <b>2015</b> , 21, 1295-1307	5	56
71	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 1314-1328	28	245
70	THE EPIPHYTIC BRYOPHYTE FLORA OF THE COLOMBIAN AMAZON. <i>Caldasia</i> , <b>2015</b> , 37, 47	0.4	6
69	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , <b>2014</b> , 17, 527-36	10	48
68	Additions to the Catalogue of Hepaticae of Colombia II. <i>Cryptogamie, Bryologie</i> , <b>2014</b> , 35, 77-92	0.8	10
67	Herbivory and habitat association of tree seedlings in lowland evergreen rainforest on white-sand and terra-firme in the upper Rio Negro. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 255-265	2.2	7
66	Soil physical conditions limit palm and tree basal area in Amazonian forests. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 215-229	2.2	35
65	Are all species necessary to reveal ecologically important patterns?. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 4626-4636	2.3	25
64	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 935-946	6.1	205
63	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 1261-1271	6.1	280
62	Hyperdominance in the Amazonian tree flora. <i>Science</i> , <b>2013</b> , 342, 1243092	33.3	637

61	New handbook for standardised measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , <b>2013</b> , 61, 167	1.2	1983
60	Floristic overview of the epiphytic bryophytes of terra firme forests across the Amazon basin. <i>Acta Botanica Brasilica</i> , <b>2013</b> , 27, 347-363	1	18
59	The ecological biogeography of Amazonia. <i>Frontiers of Biogeography</i> , <b>2013</b> , 5,	2.9	1
58	Drip-tips are Associated with Intensity of Precipitation in the Amazon Rain Forest. <i>Biotropica</i> , <b>2012</b> , 44, 728-737	2.3	17
57	Coordination of physiological and structural traits in Amazon forest trees. <i>Biogeosciences</i> , <b>2012</b> , 9, 775-806	4.6	34
56	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , <b>2012</b> , 9, 3381-3403	4.6	289
55	Contribution of Current and Historical Processes to Patterns of Tree Diversity and Composition of the Amazon <b>2011</b> , 347-359		5
54	Tree communities of white-sand and terra-firme forests of the upper Rio Negro. <i>Acta Amazonica</i> , <b>2011</b> , 41, 521-544	0.8	34
53	Patterns and Determinants of Floristic Variation across Lowland Forests of Bolivia. <i>Biotropica</i> , <b>2011</b> , 43, 405-413	2.3	37
52	A model of botanical collectors behavior in the field: never the same species twice. <i>American Journal of Botany</i> , <b>2011</b> , 98, 31-7	2.7	46
51	Origins of Biodiversity--Response. <i>Science</i> , <b>2011</b> , 331, 399-400	33.3	21
50	Will Tropical Biodiversity Survive our Approach to Global Change?. <i>Biotropica</i> , <b>2010</b> , 42, 561-562	2.3	6
49	How Neutral is Ecology?. <i>Biotropica</i> , <b>2010</b> , 42, 631-633	2.3	8
48	Are compound leaves an adaptation to seasonal drought or to rapid growth? Evidence from the Amazon rain forest. <i>Global Ecology and Biogeography</i> , <b>2010</b> , 19, 852-862	6.1	20
47	Species abundance, distribution and diversity in time and space after centuries of botanical collecting in the Guianas. <i>Taxon</i> , <b>2010</b> , 59, 592-597	0.8	6
46	Amazonia through time: Andean uplift, climate change, landscape evolution, and biodiversity. <i>Science</i> , <b>2010</b> , 330, 927-31	33.3	1362
45	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees. <i>Biogeosciences</i> , <b>2009</b> , 6, 1577-1590	4.6	20
44	Spatial trends in leaf size of Amazonian rainforest trees. <i>Biogeosciences</i> , <b>2009</b> , 6, 1563-1576	4.6	29

43	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. <i>Global Change Biology</i> , <b>2009</b> , 15, 2418-2430	11.4	70
42	Niche assembly of epiphytic bryophyte communities in the Guianas: a regional approach. <i>Journal of Biogeography</i> , <b>2009</b> , 36, 2076-2084	4.1	58
41	Botanical richness and endemism patterns of Borneo derived from species distribution models. <i>Ecography</i> , <b>2009</b> , 32, 180-192	6.5	118
40	Disentangling regional and local tree diversity in the Amazon. <i>Ecography</i> , <b>2009</b> , 32, 46-54	6.5	54
39	Drought sensitivity of the Amazon rainforest. <i>Science</i> , <b>2009</b> , 323, 1344-7	33.3	1213
38	Colloquium paper: how many tree species are there in the Amazon and how many of them will go extinct?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105 Suppl 1, 11498-504	11.5	157
37	Reply to Feeley and Silman: Extinction risk estimates are approximations but are not invalid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, E122-E122	11.5	78
36	Modeling distribution of Amazonian tree species and diversity using remote sensing measurements. <i>Remote Sensing of Environment</i> , <b>2008</b> , 112, 2000-2017	13.2	163
35	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> , <b>2007</b> , 95, 1058-1071	6	99
34	Upland Soil Charcoal in the Wet Tropical Forests of Central Guyana. <i>Biotropica</i> , <b>2007</b> , 39, 153-160	2.3	41
33	A null-model for significance testing of presence-only species distribution models. <i>Ecography</i> , <b>2007</b> , 30, 727-736	6.5	316
32	Regional and phylogenetic variation of wood density across 2456 Neotropical tree species <b>2006</b> , 16, 2356-67		520
31	Continental-scale patterns of canopy tree composition and function across Amazonia. <i>Nature</i> , <b>2006</b> , 443, 444-7	50.4	508
30	Composition of Woody Species in a Dynamic forest-Woodland-Savannah Mosaic in Uganda: Implications for Conservation and Management. <i>Biodiversity and Conservation</i> , <b>2006</b> , 15, 1467-1495	3.4	16
29	Changes in woody plant composition of three vegetation types exposed to a similar fire regime for over 46 years. <i>Forest Ecology and Management</i> , <b>2005</b> , 217, 351-364	3.9	10
28	Why Do Some Tropical Forests Have So Many Species of Trees?. <i>Biotropica</i> , <b>2004</b> , 36, 447-473	2.3	149
27	Why Do Some Tropical Forests Have So Many Species of Trees?1. <i>Biotropica</i> , <b>2004</b> , 36, 447	2.3	139
26	A spatial model of tree diversity and tree density for the Amazon. <i>Biodiversity and Conservation</i> , <b>2003</b> , 12, 2255-2277	3.4	298

25	A handbook of protocols for standardised and easy measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , <b>2003</b> , 51, 335	1.2	2483
24	Long-term effect of timber harvesting in the Bartica Triangle, Central Guyana. <i>Forest Ecology and Management</i> , <b>2002</b> , 170, 127-144	3.9	32
23	CHARACTER CONVERGENCE, DIVERSITY, AND DISTURBANCE IN TROPICAL RAIN FOREST IN GUYANA. <i>Ecology</i> , <b>2001</b> , 82, 3197-3212	4.6	152
22	CHARACTER CONVERGENCE, DIVERSITY, AND DISTURBANCE IN TROPICAL RAIN FOREST IN GUYANA <b>2001</b> , 82, 3197		2
21	CHARACTER CONVERGENCE, DIVERSITY, AND DISTURBANCE IN TROPICAL RAIN FOREST IN GUYANA <b>2001</b> , 82, 3197		9
20	An analysis of the floristic composition and diversity of Amazonian forests including those of the Guiana Shield. <i>Journal of Tropical Ecology</i> , <b>2000</b> , 16, 801-828	1.3	271
19	Can botanical collections assist in a National Protected Area Strategy in Guyana?. <i>Biodiversity and Conservation</i> , <b>2000</b> , 9, 215-240	3.4	23
18	The use of forest inventory data for a National Protected Area Strategy in Guyana. <i>Biodiversity and Conservation</i> , <b>1998</b> , 7, 1457-1483	3.4	24
17	Single Rope Techniques in Tropical Rain Forest Trees: Going Down Safe and Sound1. <i>Biotropica</i> , <b>1998</b> , 30, 496-497	2.3	9
16	Propensity for Fire in Guianan Rainforests. <i>Conservation Biology</i> , <b>1998</b> , 12, 944-947	6	42
15	Propensity for Fire in Guianan Rainforests <b>1998</b> , 12, 944		2
14	The Possible function of Buttresses in <i>Caryocar Nuciferum</i> (Caryocaraceae) in Guyana: Ecological and Wood Anatomical Observations. <i>IAWA Journal</i> , <b>1997</b> , 18, 415-431	2.3	9
13	A compilation of known Guianan timber trees and the significance of their dispersal mode, seed size and taxonomic affinity to tropical rain forest management. <i>Forest Ecology and Management</i> , <b>1996</b> , 83, 99-116	3.9	41
12	Basic and Applied Research for Sound Rain Forest Management in Guyana <b>1995</b> , 5, 904-910		14
11	Flooding and drought tolerance in seeds and seedlings of two <i>Mora</i> species segregated along a soil hydrological gradient in the tropical rain forest of Guyana. <i>Oecologia</i> , <b>1994</b> , 100, 356-367	2.9	33
10	The effects of man made gaps on germination, early survival, and morphology of <i>Chlorocardium rodiei</i> seedlings in Guyana. <i>Journal of Tropical Ecology</i> , <b>1994</b> , 10, 245-260	1.3	31
9	Tropical rain forest types and soil factors in a watershed area in Guyana. <i>Journal of Vegetation Science</i> , <b>1993</b> , 4, 705-716	3.1	77
8	The phenology of Guyanese timber species: a compilation of a century of observations. <i>Plant Ecology</i> , <b>1991</b> , 95, 177-198		85

7	Distribution and ecology of epiphytic bryophytes and lichens in dry evergreen forest of Guyana. <i>Journal of Tropical Ecology</i> , <b>1989</b> , 5, 131-150	1,3	124
6	Distribution and Ecology of Vascular Epiphytes in Lowland Rain Forest of Guyana. <i>Biotropica</i> , <b>1989</b> , 21, 331	2,3	125
5	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees		4
4	Spatial trends in leaf size of Amazonian rainforest trees		5
3	Coordination of physiological and structural traits in Amazon forest trees		1
2	Tree height integrated into pan-tropical forest biomass estimates		30
1	Defining endemism levels for biodiversity conservation: tree species in the Atlantic Forest hotspot		1