Geertje M F Van Der Heijden

List of Publications by Citations

52 papers	7,052 citations	30 h-index	58 g-index
58 ext. papers	8,365 ext. citations	10.9 avg, IF	4.95 L-index

#	Paper	IF	Citations
52	Drought sensitivity of the Amazon rainforest. *Science*, **2009**, 323, 1344-7	33.3	1213
51	The 2010 Amazon drought. *Science*, **2011**, 331, 554	33.3	783
50	Hyperdominance in the Amazonian tree flora. *Science*, **2013**, 342, 1243092	33.3	637
49	Long-term decline of the Amazon carbon sink. *Nature*, **2015**, 519, 344-8	50.4	583
48	Drought-mortality relationships for tropical forests. *New Phytologist*, **2010**, 187, 631-46	9.8	400
47	Tree height integrated into pantropical forest biomass estimates. *Biogeosciences*, **2012**, 9, 3381-3403	4.6	289
46	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. *Science* , **2017**, 355, 925-931	33.3	280
45	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. *Global Ecology and Biogeography*, **2013**, 22, 1261-1271	6.1	280
44	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. *Global Ecology and Biogeography*, **2014**, 23, 935-946	6.1	205
43	Above-ground biomass and structure of 260 African tropical forests. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120295	5.8	204
42	Asynchronous carbon sink saturation in African and Amazonian tropical forests. *Nature*, **2020**, 579, 80-87	50.4	202
41	Compositional response of Amazon forests to climate change. *Global Change Biology*, **2019**, 25, 39-56	11.4	158
40	Hyperdominance in Amazonian forest carbon cycling. *Nature Communications*, **2015**, 6, 6857	17.4	157
39	Amazon forest response to repeated droughts. *Global Biogeochemical Cycles*, **2016**, 30, 964-982	5.9	149
38	Lianas reduce carbon accumulation and storage in tropical forests. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13267-71	11.5	117
37	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. *Global Change Biology*, **2016**, 22, 3996-4013	11.4	99
36	Seasonal drought limits tree species across the Neotropics. *Ecography*, **2017**, 40, 618-629	6.5	93

35	Long-term thermal sensitivity of Earth's tropical forests. *Science*, **2020**, 368, 869-874	33.3	92
34	Estimating the global conservation status of more than 15,000 Amazonian tree species. *Science Advances*, **2015**, 1, e1500936	14.3	91
33	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. *Scientific Reports*, **2018**, 8, 1003	4.9	78
32	Low stocks of coarse woody debris in a southwest Amazonian forest. *Oecologia*, **2007**, 152, 495-504	2.9	76
31	Liana Impacts on Carbon Cycling, Storage and Sequestration in Tropical Forests. *Biotropica*, **2013**, 45, 682-692	2.3	73
30	What controls liana success in Neotropical forests?. *Global Ecology and Biogeography*, **2008**, 17, 372-383	6.1	73
29	Liana infestation impacts tree growth in a lowland tropical moist forest. *Biogeosciences*, **2009**, 6, 2217-2226	4	72
28	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. *Global Change Biology*, **2009**, 15, 2418-2430	11.4	70
27	Methods to estimate aboveground wood productivity from long-term forest inventory plots. *Forest Ecology and Management*, **2014**, 320, 30-38	3.9	62
26	Lianas in gaps reduce carbon accumulation in a tropical forest. *Ecology*, **2014**, 95, 3008-3017	4.6	55
25	Infestation of trees by lianas in a tropical forest in Amazonian Peru. *Journal of Vegetation Science*, **2008**, 19, 747-756	3.1	54
24	Fast demographic traits promote high diversification rates of Amazonian trees. *Ecology Letters*, **2014**, 17, 527-36	10	48
23	Environmental effects on Neotropical liana species richness. *Journal of Biogeography*, **2009**, 36, 1561-1572	4.1	30
22	Variation in the sensitivity of DOC release between different organic soils following H2SO4 and sea-salt additions. *European Journal of Soil Science*, **2011**, 62, 267-284	3.4	29
21	Evolutionary heritage influences Amazon tree ecology. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	29
20	Lianas have a seasonal growth advantage over co-occurring trees. *Ecology*, **2019**, 100, e02655	4.6	28
19	Active restoration accelerates the carbon recovery of human-modified tropical forests. *Science*, **2020**, 369, 838-841	33.3	25
18	Biased-corrected richness estimates for the Amazonian tree flora. *Scientific Reports*, **2020**, 10, 10130	4.9	24

17	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. *Ecology*, **2020**, 101, e03052	4.6	24
16	Tree mode of death and mortality risk factors across Amazon forests. *Nature Communications*, **2020**, 11, 5515	17.4	24
15	A view from above: Unmanned aerial vehicles (UAVs) provide a new tool for assessing liana infestation in tropical forest canopies. *Journal of Applied Ecology*, **2019**, 56, 902-912	5.8	23
14	Rarity of monodominance in hyperdiverse Amazonian forests. *Scientific Reports*, **2019**, 9, 13822	4.9	19
13	The World's Tallest Tropical Tree in Three Dimensions. *Frontiers in Forests and Global Change*, **2019**, 2,	3.7	19
12	Environmental drivers of forest structure and stem turnover across Venezuelan tropical forests. *PLoS ONE*, **2018**, 13, e0198489	3.7	16
11	Calibrating the liana crown occupancy index in Amazonian forests. *Forest Ecology and Management*, **2010**, 260, 549-555	3.9	15
10	Reply to Verbeeck and Kearsley: Addressing the challenges of including lianas in global vegetation models. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E5-6	11.5	13
9	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. *Frontiers in Earth Science*, **2019**, 7,	3.5	12
8	Effect of lianas on forest-level tree carbon accumulation does not differ between seasons: Results from a liana removal experiment in Panama. *Journal of Ecology*, **2019**, 107, 1890-1900	6	11
7	Effects of acid sulphate on DOC release in mineral soils: the influence of SO42□retention and Al release. *European Journal of Soil Science*, **2013**, 64, 537-544	3.4	6
6	Causes and consequences of liana infestation in southern Amazonia. *Journal of Ecology*, **2020**, 108, 2184-2197		4
5	Impacts of lianas on forest-level carbon storage and sequestration **2014**, 164-174		4
4	Remote sensing liana infestation in an aseasonal tropical forest: addressing mismatch in spatial units of analyses. *Remote Sensing in Ecology and Conservation*, **2021**, 7, 397-410	5.3	2
3	Lianas Significantly Reduce Aboveground and Belowground Carbon Storage: A Virtual Removal Experiment. *Frontiers in Forests and Global Change*,4,	3.7	1
2	Why can we detect lianas from space?		1
1	Detection of Spatial and Temporal Patterns of Liana Infestation Using Satellite-Derived Imagery. *Remote Sensing*, **2021**, 13, 2774	5	0