Michiel van Breugel

List of Publications by Year
in descending order

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65 papers	7,482 citations	109321 35 h-index	110387 64 g-index
67 all docs	67 docs citations	67 times ranked	9619 citing authors

#	Article	IF	Citations
1	Towards effective reforestation: growth and commercial value of four commonly planted tropical timber species on infertile soils in Panama. New Forests, 2023, 54, 125-142.	1.7	6
2	Deforestation scenarios show the importance of secondary forest for meeting Panamaâ€™s carbon goals. Landscape Ecology, 2022, 37, 673-694.	4.2	13
3	Influence of abiotic drivers on 1â€year seedling survival of six mangrove species in Southeast Asia. Restoration Ecology, 2022, 30, .	2.9	5
4	Tallo: A global tree allometry and crown architecture database. Global Change Biology, 2022, 28, 5254-5268.	9.5	24
5	Strong floristic distinctiveness across Neotropical successional forests. Science Advances, 2022, 8, .	10.3	10
6	Framework Species Approach Proves Robust in Restoring Forest on Fire Prone Invasive Grass: A Case Study from Panama. Journal of Sustainable Forestry, 2021, 40, 197-215.	1.4	5
7	Lianas do not reduce tree biomass accumulation in young successional tropical dry forests. Oecologia, 2021, 195, 1019-1029.	2.0	6
8	Legumeâ€“microbiome interactions unlock mineral nutrients in regrowing tropical forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
9	Successional syndromes of saplings in tropical secondary forests emerge from environmentâ€dependent traitâ€“demography relationships. Ecology Letters, 2021, 24, 1776-1787.	6.4	12
10	Functional recovery of secondary tropical forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
11	Multidimensional tropical forest recovery. Science, 2021, 374, 1370-1376.	12.6	165
12	Edaphic factors and initial conditions influence successional trajectories of early regenerating tropical dry forests. Journal of Ecology, 2020, 108, 160-174.	4.0	28
13	Functional traits that moderate tropical tree recruitment during postâ€windstorm secondary succession. Journal of Ecology, 2020, 108, 1322-1333.	4.0	15
14	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
15	Lianas Reduce Biomass Accumulation in Earlyâ€Successional Tropical Forests. Bulletin of the Ecological Society of America, 2020, 101, e01673.	0.2	0
16	Lianas reduce biomass accumulation in early successional tropical forests. Ecology, 2020, 101, e02989.	3.2	15
17	Do lianas shape ant communities in an early successional tropical forest?. Biotropica, 2019, 51, 885-893.	1.6	4
18	Shortâ€term responses in a secondary tropical forest after a severe windstorm event. Journal of Vegetation Science, 2019, 30, 720-731.	2.2	6

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19	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. Nature Ecology and Evolution, 2019, 3, 928-934.	7.8	120
20	Biodiversity recovery of Neotropical secondary forests. Science Advances, 2019, 5, eaau3114.	10.3	291
21	Tropical carbon sink accelerated by symbiotic dinitrogen fixation. Nature Communications, 2019, 10, 5637.	12.8	33
22	Soil nutrients and dispersal limitation shape compositional variation in secondary tropical forests across multiple scales. Journal of Ecology, 2019, 107, 566-581.	4.0	88
23	Effect of microsite quality and species composition on tree growth: A semi-empirical modeling approach. Forest Ecology and Management, 2019, 432, 534-545.	3.2	17
24	Nitrogen fixer abundance has no effect on biomass recovery during tropical secondary forest succession. Journal of Ecology, 2018, 106, 1415-1427.	4.0	26
25	Environmental filtering limits functional diversity during succession in a seasonally wet tropical secondary forest. Journal of Vegetation Science, 2018, 29, 511-520.	2.2	38
26	Legume abundance along successional and rainfall gradients in Neotropical forests. Nature Ecology and Evolution, 2018, 2, 1104-1111.	7.8	107
27	Phosphatase activity and nitrogen fixation reflect species differences, not nutrient trading or nutrient balance, across tropical rainforest trees. Ecology Letters, 2018, 21, 1486-1495.	6.4	51
28	Liana effects on biomass dynamics strengthen during secondary forest succession. Ecology, 2017, 98, 1062-1070.	3.2	31
29	Demographic drivers of functional composition dynamics. Ecology, 2017, 98, 2743-2750.	3.2	30
30	Survival and growth of five Neotropical timber species in monocultures and mixtures. Forest Ecology and Management, 2017, 403, 1-11.	3.2	33
31	Demographic Drivers of Aboveground Biomass Dynamics During Secondary Succession in Neotropical Dry and Wet Forests. Ecosystems, 2017, 20, 340-353.	3.4	37
32	A hyperspectral image can predict tropical tree growth rates in singleâ€species stands. Ecological Applications, 2016, 26, 2369-2375.	3.8	18
33	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. Science Advances, 2016, 2, e1501639.	10.3	423
34	Biomass resilience of Neotropical secondary forests. Nature, 2016, 530, 211-214.	27.8	763
35	Rapid Liana Colonization along a Secondary Forest Chronosequence. Biotropica, 2015, 47, 672-680.	1.6	42
36	Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. Journal of Ecology, 2015, 103, 1276-1290.	4.0	50

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37	Changing gears during succession: shifting functional strategies in young tropical secondary forests. Oecologia, 2015, 179, 293-305.	2.0	50
38	Successional dynamics in Neotropical forests are as uncertain as they are predictable. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8013-8018.	7.1	272
39	BAAD: a Biomass And Allometry Database for woody plants. Ecology, 2015, 96, 1445-1445.	3.2	122
40	Changing drivers of species dominance during tropical forest succession. Functional Ecology, 2014, 28, 1052-1058.	3.6	111
41	High-fidelity national carbon mapping for resource management and REDD+. Carbon Balance and Management, 2013, 8, 7.	3.2	104
42	Key role of symbiotic dinitrogen fixation in tropical forest secondary succession. Nature, 2013, 502, 224-227.	27.8	287
43	Changes in rainfall interception along a secondary forest succession gradient in lowland Panama. Hydrology and Earth System Sciences, 2013, 17, 4659-4670.	4.9	33
44	Succession of Ephemeral Secondary Forests and Their Limited Role for the Conservation of Floristic Diversity in a Human-Modified Tropical Landscape. PLoS ONE, 2013, 8, e82433.	2.5	93
45	Phylogenetic community structure during succession: Evidence from three Neotropical forest sites. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 79-87.	2.7	89
46	Functional diversity changes during tropical forest succession. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 89-96.	2.7	110
47	A universal airborne LiDAR approach for tropical forest carbon mapping. Oecologia, 2012, 168, 1147-1160.	2.0	317
48	The relative importance of above- versus belowground competition for tree growth during early succession of a tropical moist forest. Plant Ecology, 2012, 213, 25-34.	1.6	39
49	Foliar herbivory and leaf traits of five native tree species in a young plantation of Central Panama. New Forests, 2012, 43, 69-87.	1.7	27
50	Recovery of saturated hydraulic conductivity under secondary succession on former pasture in the humid tropics. Forest Ecology and Management, 2011, 261, 1634-1642.	3.2	113
51	Soil carbon dynamics under young tropical secondary forests on former pasturesâ€"A case study from Panama. Forest Ecology and Management, 2011, 261, 1625-1633.	3.2	52
52	Early growth and survival of 49 tropical tree species across sites differing in soil fertility and rainfall in Panama. Forest Ecology and Management, 2011, 261, 1580-1589.	3.2	95
53	Tree plantations on farms: Evaluating growth and potential for success. Forest Ecology and Management, 2011, 261, 1675-1683.	3.2	30
54	Estimating carbon stock in secondary forests: Decisions and uncertainties associated with allometric biomass models. Forest Ecology and Management, 2011, 262, 1648-1657.	3.2	203

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55	Controls over aboveground forest carbon density on Barro Colorado Island, Panama. Biogeosciences, 2011, 8, 1615-1629.	3.3	100
56	Strict mast fruiting for a tropical dipterocarp tree: a demographic cost-benefit analysis of delayed reproduction and seed predation. Journal of Ecology, 2011, 99, 1033-1044.	4.0	50
57	Local and regional environmental variation influences the growth of tropical trees in selection trials in the Republic of Panama. Forest Ecology and Management, 2010, 260, 12-21.	3.2	32
58	The Potential of Tree Rings for the Study of Forest Succession in Southern Mexico. Biotropica, 2009, 41, 186-195.	1.6	50
59	Beyond Reserves: A Research Agenda for Conserving Biodiversity in Humanâ€modified Tropical Landscapes. Biotropica, 2009, 41, 142-153.	1.6	417
60	Integrating Agricultural Landscapes with Biodiversity Conservation in the Mesoamerican Hotspot. Conservation Biology, 2008, 22, 8-15.	4.7	382
61	Soil and light effects on the sapling performance of the shade-tolerant speciesBrosimum alicastrum(Moraceae) in a Mexican tropical rain forest. Journal of Tropical Ecology, 2008, 24, 629-637.	1.1	8
62	Effective height development of four co-occurring species in the gap-phase regeneration of Douglas fir monocultures under nature-oriented conversion. Forest Ecology and Management, 2007, 238, 189-198.	3.2	16
63	Rates of change in tree communities of secondary Neotropical forests following major disturbances. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 273-289.	4.0	441
64	Species Dynamics During Early Secondary Forest Succession: Recruitment, Mortality and Species Turnover. Biotropica, 2007, 39, 610-619.	1.6	94
65	Community dynamics during early secondary succession in Mexican tropical rain forests. Journal of Tropical Ecology, 2006, 22, 663-674.	1.1	125