

# Martijn Slot

## 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.

44  
papers

1,887  
citations

23  
h-index

43  
g-index

51  
ext. papers

2,651  
ext. citations

5.6  
avg, IF

5.02  
L-index

#	Paper	IF	Citations
44	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
43	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , <b>2015</b> , 206, 614-36	9.8	244
42	General patterns of acclimation of leaf respiration to elevated temperatures across biomes and plant types. <i>Oecologia</i> , <b>2015</b> , 177, 885-900	2.9	113
41	Acclimation and adaptation components of the temperature dependence of plant photosynthesis at the global scale. <i>New Phytologist</i> , <b>2019</b> , 222, 768-784	9.8	99
40	Capturing the fugitive: Applying remote sensing to terrestrial animal distribution and diversity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2007</b> , 9, 1-20	7.3	96
39	In situ temperature response of photosynthesis of 42 tree and liana species in the canopy of two Panamanian lowland tropical forests with contrasting rainfall regimes. <i>New Phytologist</i> , <b>2017</b> , 214, 1103-1117	9.8	78
38	Thermal acclimation of leaf respiration of tropical trees and lianas: response to experimental canopy warming, and consequences for tropical forest carbon balance. <i>Global Change Biology</i> , <b>2014</b> , 20, 2915-26	11.4	77
37	Leaf development and photosynthetic properties of three tropical tree species with delayed greening. <i>Photosynthetica</i> , <b>2005</b> , 43, 91-98	2.2	58
36	Global convergence in leaf respiration from estimates of thermal acclimation across time and space. <i>New Phytologist</i> , <b>2015</b> , 207, 1026-37	9.8	54
35	Photosynthetic acclimation to warming in tropical forest tree seedlings. <i>Journal of Experimental Botany</i> , <b>2017</b> , 68, 2275-2284	7	48
34	Diversity of Tropical Tree Seedling Responses to Drought. <i>Biotropica</i> , <b>2007</b> , 39, 683-690	2.3	46
33	Temperature response of CO exchange in three tropical tree species. <i>Functional Plant Biology</i> , <b>2016</b> , 43, 468-478	2.7	46
32	Foliar respiration and its temperature sensitivity in trees and lianas: in situ measurements in the upper canopy of a tropical forest. <i>Tree Physiology</i> , <b>2013</b> , 33, 505-15	4.2	40
31	In situ temperature relationships of biochemical and stomatal controls of photosynthesis in four lowland tropical tree species. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 3055-3068	8.4	39
30	Optimum air temperature for tropical forest photosynthesis: mechanisms involved and implications for climate warming. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 054022	6.2	35
29	The effects of CO <sub>2</sub> and nutrient fertilisation on the growth and temperature response of the mangrove <i>Avicennia germinans</i> . <i>Photosynthesis Research</i> , <b>2016</b> , 129, 159-70	3.7	35
28	Transient shade and drought have divergent impacts on the temperature sensitivity of dark respiration in leaves of <i>Geum urbanum</i> . <i>Functional Plant Biology</i> , <b>2008</b> , 35, 1135-1146	2.7	33

27	Regeneration patterns in boreal Scots pine glades linked to cold-induced photoinhibition. <i>Tree Physiology</i> , <b>2005</b> , 25, 1139-50	4.2	32
26	Transpiration-dependent passive silica accumulation in cucumber ( <i>Cucumis sativus</i> ) under varying soil silicon availability. <i>Botany</i> , <b>2012</b> , 90, 1058-1064	1.3	30
25	Effects of simulated browsing on growth and leaf chemical properties in <i>Colophospermum mopane</i> saplings. <i>African Journal of Ecology</i> , <b>2010</b> , 48, 190-196	0.8	28
24	High tolerance of tropical sapling growth and gas exchange to moderate warming. <i>Functional Ecology</i> , <b>2018</b> , 32, 599-611	5.6	27
23	Trait-based scaling of temperature-dependent foliar respiration in a species-rich tropical forest canopy. <i>Functional Ecology</i> , <b>2014</b> , 28, 1074-1086	5.6	27
22	Spatial and seasonal variation in leaf temperature within the canopy of a tropical forest. <i>Climate Research</i> , <b>2016</b> , 71, 75-89	1.6	26
21	The Effects of Rising Temperature on the Ecophysiology of Tropical Forest Trees. <i>Tree Physiology</i> , <b>2016</b> , 385-412		22
20	Photosynthetic heat tolerance of shade and sun leaves of three tropical tree species. <i>Photosynthesis Research</i> , <b>2019</b> , 141, 119-130	3.7	20
19	The capacity to emit isoprene differentiates the photosynthetic temperature responses of tropical plant species. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 2448-2457	8.4	18
18	Diel patterns of leaf carbohydrate concentrations differ between seedlings and mature trees of two sympatric oak species. <i>Botany</i> , <b>2014</b> , 92, 535-540	1.3	14
17	Seed reserve dependency of <i>Leucaena leucocephala</i> seedling growth for nitrogen and phosphorus. <i>Functional Plant Biology</i> , <b>2013</b> , 40, 244-250	2.7	14
16	Influence of arbuscular mycorrhizal colonization on whole-plant respiration and thermal acclimation of tropical tree seedlings. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 859-70	2.8	13
15	A reporting format for leaf-level gas exchange data and metadata. <i>Ecological Informatics</i> , <b>2021</b> , 61, 101232	4.2	11
14	Whole-plant respiration and its temperature sensitivity during progressive carbon starvation. <i>Functional Plant Biology</i> , <b>2015</b> , 42, 579-588	2.7	9
13	Soil warming effects on tropical forests with highly weathered soils <b>2019</b> , 385-439		7
12	Photosynthetic quantum efficiency in south-eastern Amazonian trees may be already affected by climate change. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 2428-2439	8.4	7
11	Leaf heat tolerance of 147 tropical forest species varies with elevation and leaf functional traits, but not with phylogeny. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 2414-2427	8.4	6
10	Unraveling the relative role of light and water competition between lianas and trees in tropical forests: A vegetation model analysis. <i>Journal of Ecology</i> , <b>2021</b> , 109, 519-540	6	6

9	Similar temperature dependence of photosynthetic parameters in sun and shade leaves of three tropical tree species. <i>Tree Physiology</i> , <b>2020</b> , 40, 637-651	4.2	5
8	A lifetime perspective of biomass allocation in <i>Quercus pubescens</i> trees in a dry, alpine valley. <i>Trees - Structure and Function</i> , <b>2012</b> , 26, 1661-1668	2.6	5
7	The acquisitive-conservative axis of leaf trait variation emerges even in homogeneous environments. <i>Annals of Botany</i> , <b>2020</b> ,	4.1	4
6	Large differences in leaf cuticle conductance and its temperature response among 24 tropical tree species from across a rainfall gradient. <i>New Phytologist</i> , <b>2021</b> , 232, 1618-1631	9.8	4
5	Species-specific effects of phosphorus addition on tropical tree seedling response to elevated CO <sub>2</sub> . <i>Functional Ecology</i> , <b>2019</b> , 33, 1871-1881	5.6	2
4	Photosynthetic plasticity of a tropical tree species, <i>Tabebuia rosea</i> , in response to elevated temperature and [CO <sub>2</sub> ]. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 2347-2364	8.4	2
3	Functional biogeography of Neotropical moist forests: Trait-climate relationships and assembly patterns of tree communities. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 1430-1446	6.1	2
2	Methods matter for assessing global variation in plant thermal tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
1	Effect of climate change on regeneration of plants from seeds in tropical wet forests <b>2022</b> , 157-168		