

Martijn Slot

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

3,305
citations

201385

27
h-index

253896

43
g-index

51
all docs

51
docs citations

51
times ranked

5901
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
2	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015, 206, 614-636.	3.5	350
3	Acclimation and adaptation components of the temperature dependence of plant photosynthesis at the global scale. <i>New Phytologist</i> , 2019, 222, 768-784.	3.5	171
4	General patterns of acclimation of leaf respiration to elevated temperatures across biomes and plant types. <i>Oecologia</i> , 2015, 177, 885-900.	0.9	151
5	<i>In situ</i> 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> , 2017, 214, 1103-1117.	3.5	129
6	Capturing the fugitive: Applying remote sensing to terrestrial animal distribution and diversity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2007, 9, 1-20.	1.4	109
7	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> , 2014, 20, 2915-2926.	4.2	96
8	Photosynthetic acclimation to warming in tropical forest tree seedlings. <i>Journal of Experimental Botany</i> , 2017, 68, 2275-2284.	2.4	81
9	Global convergence in leaf respiration from estimates of thermal acclimation across time and space. <i>New Phytologist</i> , 2015, 207, 1026-1037.	3.5	74
10	In situ temperature relationships of biochemical and stomatal controls of photosynthesis in four lowland tropical tree species. <i>Plant, Cell and Environment</i> , 2017, 40, 3055-3068.	2.8	74
11	Temperature response of CO ₂ exchange in three tropical tree species. <i>Functional Plant Biology</i> , 2016, 43, 468.	1.1	68
12	Leaf development and photosynthetic properties of three tropical tree species with delayed greening. <i>Photosynthetica</i> , 2005, 43, 91-98.	0.9	65
13	Diversity of Tropical Tree Seedling Responses to Drought. <i>Biotropica</i> , 2007, 39, 683-690.	0.8	56
14	Optimum air temperature for tropical forest photosynthesis: mechanisms involved and implications for climate warming. <i>Environmental Research Letters</i> , 2017, 12, 054022.	2.2	52
15	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> , 2013, 33, 505-515.	1.4	49
16	Photosynthetic heat tolerance of shade and sun leaves of three tropical tree species. <i>Photosynthesis Research</i> , 2019, 141, 119-130.	1.6	46
17	Spatial and seasonal variation in leaf temperature within the canopy of a tropical forest. <i>Climate Research</i> , 2016, 71, 75-89.	0.4	46
18	High tolerance of tropical sapling growth and gas exchange to moderate warming. <i>Functional Ecology</i> , 2018, 32, 599-611.	1.7	43

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19	The effects of CO ₂ and nutrient fertilisation on the growth and temperature response of the mangrove <i>Avicennia germinans</i> . <i>Photosynthesis Research</i> , 2016, 129, 159-170.	1.6	41
20	Transpiration-dependent passive silica accumulation in cucumber (<i>Cucumis sativus</i>) under varying soil silicon availability. <i>Botany</i> , 2012, 90, 1058-1064.	0.5	39
21	Regeneration patterns in boreal Scots pine glades linked to cold-induced photoinhibition. <i>Tree Physiology</i> , 2005, 25, 1139-1150.	1.4	36
22	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> , 2008, 35, 1135.	1.1	36
23	The Effects of Rising Temperature on the Ecophysiology of Tropical Forest Trees. <i>Tree Physiology</i> , 2016, , 385-412.	0.9	36
24	Effects of simulated browsing on growth and leaf chemical properties in <i>Colophospermum mopane</i> saplings. <i>African Journal of Ecology</i> , 2010, 48, 190-196.	0.4	34
25	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> , 2021, 44, 2414-2427.	2.8	33
26	The capacity to emit isoprene differentiates the photosynthetic temperature responses of tropical plant species. <i>Plant, Cell and Environment</i> , 2019, 42, 2448-2457.	2.8	32
27	Trait-based scaling of temperature-dependent foliar respiration in a species-rich tropical forest canopy. <i>Functional Ecology</i> , 2014, 28, 1074-1086.	1.7	30
28	Large differences in leaf cuticle conductance and its temperature response among 24 tropical tree species from across a rainfall gradient. <i>New Phytologist</i> , 2021, 232, 1618-1631.	3.5	30
29	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> , 2021, 109, 519-540.	1.9	24
30	Photosynthetic quantum efficiency in south-eastern Amazonian trees may be already affected by climate change. <i>Plant, Cell and Environment</i> , 2021, 44, 2428-2439.	2.8	22
31	A reporting format for leaf-level gas exchange data and metadata. <i>Ecological Informatics</i> , 2021, 61, 101232.	2.3	22
32	Similar temperature dependence of photosynthetic parameters in sun and shade leaves of three tropical tree species. <i>Tree Physiology</i> , 2020, 40, 637-651.	1.4	19
33	Seed reserve dependency of <i>Leucaena leucocephala</i> seedling growth for nitrogen and phosphorus. <i>Functional Plant Biology</i> , 2013, 40, 244.	1.1	18
34	The acquisitive-conservative axis of leaf trait variation emerges even in homogeneous environments. <i>Annals of Botany</i> , 2022, 129, 709-722.	1.4	18
35	Functional biogeography of Neotropical moist forests: Trait-climate relationships and assembly patterns of tree communities. <i>Global Ecology and Biogeography</i> , 2021, 30, 1430-1446.	2.7	18
36	High exposure of global tree diversity to human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	18

#	ARTICLE	IF	CITATIONS
37	Photosynthetic plasticity of a tropical tree species, <i>Tabebuia rosea</i> , in response to elevated temperature and [CO_2]. <i>Plant, Cell and Environment</i> , 2021, 44, 2347-2364.	2.8	17
38	Diel patterns of leaf carbohydrate concentrations differ between seedlings and mature trees of two sympatric oak species. <i>Botany</i> , 2014, 92, 535-540.	0.5	16
39	Influence of arbuscular mycorrhizal colonization on whole-plant respiration and thermal acclimation of tropical tree seedlings. <i>Ecology and Evolution</i> , 2016, 6, 859-870.	0.8	16
40	Soil warming effects on tropical forests with highly weathered soils. , 2019, , 385-439.		13
41	Whole-plant respiration and its temperature sensitivity during progressive carbon starvation. <i>Functional Plant Biology</i> , 2015, 42, 579.	1.1	12
42	Species-specific effects of phosphorus addition on tropical tree seedling response to elevated CO_2 . <i>Functional Ecology</i> , 2019, 33, 1871-1881.	1.7	9
43	A lifetime perspective of biomass allocation in <i>Quercus pubescens</i> trees in a dry, alpine valley. <i>Trees - Structure and Function</i> , 2012, 26, 1661-1668.	0.9	7
44	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> , 2021, 118, .	3.3	5
45	Effect of climate change on regeneration of plants from seeds in tropical wet forests. , 2022, , 157-168.		1