

Laurent J Lamarque

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11410817/publications.pdf>

Version: 2024-02-01

25
papers

1,223
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

2806
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	27.8	451
2	Xylem embolism in leaves does not occur with open stomata: evidence from direct observations using the optical visualization technique. <i>Journal of Experimental Botany</i> , 2020, 71, 1151-1159.	4.8	71
3	The sequence and thresholds of leaf hydraulic traits underlying grapevine varietal differences in drought tolerance. <i>Journal of Experimental Botany</i> , 2020, 71, 4333-4344.	4.8	67
4	Neither xylem collapse, cavitation, or changing leaf conductance drive stomatal closure in wheat. <i>Plant, Cell and Environment</i> , 2020, 43, 854-865.	5.7	59
5	Tundra Trait Team: A database of plant traits spanning the tundra biome. <i>Global Ecology and Biogeography</i> , 2018, 27, 1402-1411.	5.8	57
6	An inconvenient truth about xylem resistance to embolism in the model species for refilling <i>Laurus nobilis</i> L.. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	53
7	Is xylem of angiosperm leaves less resistant to embolism than branches? Insights from microCT, hydraulics, and anatomy. <i>Journal of Experimental Botany</i> , 2018, 69, 5611-5623.	4.8	46
8	Invasive <i>Acer negundo</i> outperforms native species in non-limiting resource environments due to its higher phenotypic plasticity. <i>BMC Ecology</i> , 2011, 11, 28.	3.0	43
9	Evolutionary relationships between drought-related traits and climate shape large hydraulic safety margins in western North American oaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	41
10	Genetic differentiation and phenotypic plasticity in life-history traits between native and introduced populations of invasive maple trees. <i>Biological Invasions</i> , 2015, 17, 1109-1122.	2.4	39
11	A Test for Pre-Adapted Phenotypic Plasticity in the Invasive Tree <i>Acer negundo</i> L.. <i>PLoS ONE</i> , 2013, 8, e74239.	2.5	35
12	Nighttime transpiration represents a negligible part of water loss and does not increase the risk of water stress in grapevine. <i>Plant, Cell and Environment</i> , 2021, 44, 387-398.	5.7	33
13	Exploring the Hydraulic Failure Hypothesis of Esca Leaf Symptom Formation. <i>Plant Physiology</i> , 2019, 181, 1163-1174.	4.8	32
14	Lack of vulnerability segmentation in four angiosperm tree species: evidence from direct X-ray microtomography observation. <i>Annals of Forest Science</i> , 2020, 77, 1.	2.0	26
15	Overaccumulation of abscisic acid in transgenic tomato plants increases the risk of hydraulic failure. <i>Plant, Cell and Environment</i> , 2020, 43, 548-562.	5.7	24
16	Remote sensing evaluation of High Arctic wetland depletion following permafrost disturbance by thermo-erosion gully processes. <i>Arctic Science</i> , 2017, 3, 237-253.	2.3	18
17	Drought-induced lacuna formation in the stem causes hydraulic conductance to decline before xylem embolism in <i>Selaginella</i> . <i>New Phytologist</i> , 2020, 227, 1804-1817.	7.3	18
18	High variation in hydraulic efficiency but not xylem safety between roots and branches in four temperate broadleaved tree species. <i>Functional Ecology</i> , 2022, 36, 699-712.	3.6	17

#	ARTICLE	IF	CITATIONS
19	Biogeographical contrasts to assess local and regional patterns of invasion: a case study with two reciprocally introduced exotic maple trees. <i>Ecography</i> , 2012, 35, 803-810.	4.5	16
20	Thermo-erosion gullies boost the transition from wet to mesic tundra vegetation. <i>Biogeosciences</i> , 2016, 13, 1237-1253.	3.3	16
21	Intraspecific variation in embolism resistance and stem anatomy across four sunflower (<i>Helianthus annuus</i> L.) accessions. <i>Physiologia Plantarum</i> , 2018, 163, 59-72.	5.2	16
22	Seasonal and long-term consequences of esca grapevine disease on stem xylem integrity. <i>Journal of Experimental Botany</i> , 2021, 72, 3914-3928.	4.8	16
23	Nurseplant effects on the seed biology and germination of desert annuals. <i>Austral Ecology</i> , 2014, 39, 786-794.	1.5	12
24	Embolism resistance in petioles and leaflets of palms. <i>Annals of Botany</i> , 2019, 124, 1173-1183.	2.9	11
25	Measuring xylem hydraulic vulnerability for long-vessel species: an improved methodology with the flow centrifugation technique. <i>Annals of Forest Science</i> , 2022, 79, .	2.0	6