

Ya Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3169899/publications.pdf>

Version: 2024-02-01

11
papers

478
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Function and three-dimensional structure of intervessel pit membranes in angiosperms: a review. IAWA Journal, 2019, 40, 673-702.	2.7	66
2	Pore constrictions in intervessel pit membranes provide a mechanistic explanation for xylem embolism resistance in angiosperms. New Phytologist, 2021, 230, 1829-1843.	7.3	63
3	High porosity with tiny pore constrictions and unbending pathways characterize the 3D structure of intervessel pit membranes in angiosperm xylem. Plant, Cell and Environment, 2020, 43, 116-130.	5.7	60
4	An inconvenient truth about xylem resistance to embolism in the model species for refilling <i>Laurus nobilis</i> L.. Annals of Forest Science, 2018, 75, 1.	2.0	53
5	Bordered pits in xylem of vesselless angiosperms and their possible misinterpretation as perforation plates. Plant, Cell and Environment, 2017, 40, 2133-2146.	5.7	47
6	Testing the plant pneumatic method to estimate xylem embolism resistance in stems of temperate trees. Tree Physiology, 2018, 38, 1016-1025.	3.1	47
7	Is xylem of angiosperm leaves less resistant to embolism than branches? Insights from microCT, hydraulics, and anatomy. Journal of Experimental Botany, 2018, 69, 5611-5623.	4.8	46
8	The Pneumatron: An automated pneumatic apparatus for estimating xylem vulnerability to embolism at high temporal resolution. Plant, Cell and Environment, 2020, 43, 131-142.	5.7	33
9	Within-tree variability and sample storage effects of bordered pit membranes in xylem of <i>Acer pseudoplatanus</i> . Trees - Structure and Function, 2020, 34, 61-71.	1.9	31
10	Root xylem in three woody angiosperm species is not more vulnerable to embolism than stem xylem. Plant and Soil, 2020, 450, 479-495.	3.7	26
11	A More Drought Resistant Stem Xylem of Southern Highbush Than Rabbiteye Blueberry Is Linked to Its Anatomy. Agronomy, 2022, 12, 1244.	3.0	4