

Hugh Morris

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,459
citations

623188

14
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

1782
citing authors

#	ARTICLE	IF	CITATIONS
1	Weak tradeoff between xylem safety and xylem-specific hydraulic efficiency across the world's woody plant species. <i>New Phytologist</i> , 2016, 209, 123-136.	3.5	466
2	A global analysis of parenchyma tissue fractions in secondary xylem of seed plants. <i>New Phytologist</i> , 2016, 209, 1553-1565.	3.5	209
3	Direct X-Ray Microtomography Observation Confirms the Induction of Embolism upon Xylem Cutting under Tension. <i>Plant Physiology</i> , 2015, 167, 40-43.	2.3	156
4	The amount of parenchyma and living fibers affects storage of nonstructural carbohydrates in young stems and roots of temperate trees. <i>American Journal of Botany</i> , 2016, 103, 603-612.	0.8	100
5	Vessel diameter is related to amount and spatial arrangement of axial parenchyma in woody angiosperms. <i>Plant, Cell and Environment</i> , 2018, 41, 245-260.	2.8	81
6	The Parenchyma of Secondary Xylem and Its Critical Role in Tree Defense against Fungal Decay in Relation to the CODIT Model. <i>Frontiers in Plant Science</i> , 2016, 7, 1665.	1.7	79
7	Are needles of <i>Pinus pinaster</i> more vulnerable to xylem embolism than branches? New insights from X-ray computed tomography. <i>Plant, Cell and Environment</i> , 2016, 39, 860-870.	2.8	74
8	Anatomical features associated with water transport in imperforate tracheary elements of vessel-bearing angiosperms. <i>Annals of Botany</i> , 2011, 107, 953-964.	1.4	73
9	Vessel-associated cells in angiosperm xylem: Highly specialized living cells at the symplast-apoplast boundary. <i>American Journal of Botany</i> , 2018, 105, 151-160.	0.8	55
10	Using the CODIT model to explain secondary metabolites of xylem in defence systems of temperate trees against decay fungi. <i>Annals of Botany</i> , 2020, 125, 701-720.	1.4	50
11	Secondary Xylem Parenchyma – From Classical Terminology to Functional Traits. <i>IAWA Journal</i> , 2016, 37, 1-15.	2.7	26
12	Mechanical properties and structure-function trade-offs in secondary xylem of young roots and stems. <i>Journal of Experimental Botany</i> , 2019, 70, 3679-3691.	2.4	26
13	On research priorities to advance understanding of the safety-efficiency tradeoff in xylem. <i>New Phytologist</i> , 2016, 211, 1156-1158.	3.5	21
14	Phylogeny Best Explains Latitudinal Patterns of Xylem Tissue Fractions for Woody Angiosperm Species Across China. <i>Frontiers in Plant Science</i> , 2019, 10, 556.	1.7	19
15	The dark side of fungal competition and resource capture in wood: Zone line spalting from science to application. <i>Materials and Design</i> , 2021, 201, 109480.	3.3	8
16	Breathing life into trees: the physiological and biomechanical functions of lenticels. <i>IAWA Journal</i> , 2022, 43, 234-262.	0.5	7
17	Banishing the myths and dogmas surrounding the biotech Stradivarius. <i>Plants People Planet</i> , 2020, 2, 237-243.	1.6	6
18	Variation in Tracheid Dimensions of Conifer Xylem Reveals Evidence of Adaptation to Environmental Conditions. <i>Frontiers in Plant Science</i> , 2022, 13, 774241.	1.7	3