Hugh Morris

List of Publications by Year
in descending order

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