

# Within-tree variability and sample storage effects of bo *Acer pseudoplatanus*

Trees - Structure and Function

34, 61-71

DOI: [10.1007/s00468-019-01897-4](https://doi.org/10.1007/s00468-019-01897-4)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Function and three-dimensional structure of intervessel pit membranes in angiosperms: a review. <i>IAWA Journal</i> , 2019, 40, 673-702.	2.7	66
2	Whole-plant water hydraulic integrity to predict drought-induced <i>Eucalyptus urophylla</i> mortality under drought stress. <i>Forest Ecology and Management</i> , 2020, 468, 118179.	3.2	31
3	Vulnerability and hydraulic segmentations at the stem-leaf transition: coordination across Neotropical trees. <i>New Phytologist</i> , 2020, 228, 512-524.	7.3	46
4	Investigating Effects of Bordered Pit Membrane Morphology and Properties on Plant Xylem Hydraulic Functions: A Case Study from 3D Reconstruction and Microflow Modelling of Pit Membranes in Angiosperm Xylem. <i>Plants</i> , 2020, 9, 231.	3.5	17
5	Root xylem in three woody angiosperm species is not more vulnerable to embolism than stem xylem. <i>Plant and Soil</i> , 2020, 450, 479-495.	3.7	26
6	Linking drought-induced xylem embolism resistance to wood anatomical traits in Neotropical trees. <i>New Phytologist</i> , 2021, 229, 1453-1466.	7.3	49
7	No gas source, no problem: Proximity to pre-existing embolism and segmentation affect embolism spreading in angiosperm xylem by gas diffusion. <i>Plant, Cell and Environment</i> , 2021, 44, 1329-1345.	5.7	43
8	Three-dimensional imaging of xylem at cell wall level through near field nano holotomography. <i>Scientific Reports</i> , 2021, 11, 4574.	3.3	6
9	Characterization and comparison of the wood anatomical traits of plantation grown <i>Quercus acutissima</i> and <i>Quercus variabilis</i> . <i>IAWA Journal</i> , 2021, 42, 244-257.	1.0	4
10	Pore constrictions in intervessel pit membranes provide a mechanistic explanation for xylem embolism resistance in angiosperms. <i>New Phytologist</i> , 2021, 230, 1829-1843.	7.3	63
11	Analysis of the Structure and Hydraulic Function of Bordered Pits Using the Lattice Boltzman Method. <i>Forests</i> , 2021, 12, 526.	2.1	3
12	Artifactual lipid coatings on intervessel pit membranes in dried xylem tissues of some angiosperms. <i>IAWA Journal</i> , 2021, 42, 365-383.	1.0	3
13	From cells to stems: the effects of primary vascular construction on drought-induced embolism in fern rhizomes. <i>New Phytologist</i> , 2021, 232, 2238-2253.	7.3	7
15	Not all lipids in xylem conduits are artefacts. A reply to Yamagishi et al.. <i>IAWA Journal</i> , 2021, 42, 384-385.	1.0	3
17	Stem and leaf xylem of angiosperm trees experiences minimal embolism in temperate forests during two consecutive summers with moderate drought. <i>Plant Biology</i> , 2022, 24, 1208-1223.	3.8	17
18	Catastrophic hydraulic failure and tipping points in plants. <i>Plant, Cell and Environment</i> , 2022, 45, 2231-2266.	5.7	17
19	High variation in hydraulic efficiency but not xylem safety between roots and branches in four temperate broad-leaved tree species. <i>Functional Ecology</i> , 2022, 36, 699-712.	3.6	17
20	Pit characters determine drought-induced embolism resistance of leaf xylem across 18 Neotropical tree species. <i>Plant Physiology</i> , 2022, 190, 371-386.	4.8	12

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21	A More Drought Resistant Stem Xylem of Southern Highbush Than Rabbiteye Blueberry Is Linked to Its Anatomy. <i>Agronomy</i> , 2022, 12, 1244.	3.0	4
22	Functional xylem characteristics associated with drought-induced embolism in angiosperms. <i>New Phytologist</i> , 2022, 236, 2019-2036.	7.3	52
23	Vessel tapering is conserved along a precipitation gradient in tropical trees of the genus <i>Cedrela</i> . <i>Trees - Structure and Function</i> , 0, , .	1.9	1
24	Anatomical adaptations of pits in two types of ray parenchyma cells in <i>Populus tomentosa</i> during the xylem differentiation. <i>Journal of Plant Physiology</i> , 2022, 278, 153830.	3.5	2
25	Addressing controversies in the xylem embolism resistance-vessel diameter relationship. <i>New Phytologist</i> , 2023, 238, 283-296.	7.3	21
26	Ageing-induced shrinkage of intervessel pit membranes in xylem of <i>Clematis vitalba</i> modifies its mechanical properties as revealed by atomic force microscopy. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	4
27	Spatial organization and connectivity of wood rays in <i>Pinus massoniana</i> xylem based on high-resolution $\mu$ CT-assisted network analysis. <i>Planta</i> , 2023, 258, .	3.2	1
28	Vessel, intervessel pits and vessel-to-fiber pits have significant impact on hydraulic function under different drought conditions and re-irrigation. <i>Environmental and Experimental Botany</i> , 2023, 214, 105476.	4.2	0
29	The xylem functional traits of eight subtropical tree species is closely related to the intervessel pits ultrastructure. <i>Trees - Structure and Function</i> , 2024, 38, 13-26.	1.9	0
30	A comparative study of structural changes in loblolly pine wood following incubation with the fungus <i>Physisporinus vitreus</i> and the bacterium <i>Bacillus subtilis</i> . <i>Wood Material Science and Engineering</i> , 0, , 1-13.	2.3	0
31	Gold perfusion experiments support the multi-layered, mesoporous nature of intervessel pit membranes in angiosperm xylem. <i>New Phytologist</i> , 2024, 242, 493-506.	7.3	0