Lucian Kaack

List of Publications by Year
in descending order

9	279	1307594 7	1474206 9
papers	citations	h-index	g-index

11	11	11	216
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stem and leaf xylem of angiosperm trees experiences minimal embolism in temperate forests during two consecutive summers with moderate drought. Plant Biology, 2022, 24, 1208-1223.	3.8	17
2	Pit characters determine drought-induced embolism resistance of leaf xylem across 18 Neotropical tree species. Plant Physiology, 2022, 190, 371-386.	4.8	12
3	Nanoparticles are linked to polar lipids in xylem sap of temperate angiosperm species. Tree Physiology, 2022, , .	3.1	3
4	Lipids in xylem sap of woody plants across the angiosperm phylogeny. Plant Journal, 2021, 105, 1477-1494.	5.7	27
5	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
6	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
7	A semi-automated method for measuring xylem vessel length distribution. Theoretical and Experimental Plant Physiology, 2020, 32, 331-340.	2.4	12
8	Droughtâ€induced lacuna formation in the stem causes hydraulic conductance to decline before xylem embolism in Selaginella. New Phytologist, 2020, 227, 1804-1817.	7.3	18
9	Function and three-dimensional structure of intervessel pit membranes in angiosperms: a review. IAWA Journal, 2019, 40, 673-702.	2.7	66