

Paul J Schulte

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

271
citations

1162889

8
h-index

1372474

10
g-index

11
all docs

11
docs citations

11
times ranked

375
citing authors

#	ARTICLE	IF	CITATIONS
1	Branch junctions and the flow of water through xylem in Douglas-fir and ponderosa pine stems. <i>Journal of Experimental Botany</i> , 2003, 54, 1597-1605.	2.4	48
2	Pit membrane structure is highly variable and accounts for a major resistance to water flow through tracheid pits in stems and roots of two boreal conifer species. <i>New Phytologist</i> , 2015, 208, 102-113.	3.5	45
3	Computational fluid dynamics models of conifer bordered pits show how pit structure affects flow. <i>New Phytologist</i> , 2012, 193, 721-729.	3.5	35
4	Incorporation of transfer resistance between tracheary elements into hydraulic resistance models for tapered conduits. <i>Tree Physiology</i> , 2003, 23, 1009-1019.	1.4	29
5	The Hydraulic Architecture of Conifers. , 2015, , 39-75.		29
6	Vertical and radial profiles in tracheid characteristics along the trunk of Douglas-fir trees with implications for water transport. <i>Trees - Structure and Function</i> , 2012, 26, 421-433.	0.9	25
7	Solid mechanics of the torusâ€“margo in conifer intertracheid bordered pits. <i>New Phytologist</i> , 2021, 229, 1431-1439.	3.5	20
8	Computational models evaluating the impact of sieve plates and radial water exchange on phloem pressure gradients. <i>Plant, Cell and Environment</i> , 2019, 42, 466-479.	2.8	12
9	Water flow through junctions in Douglas-fir roots. <i>Plant, Cell and Environment</i> , 2006, 29, 70-76.	2.8	10
10	Xylem anisotropy and water transport--a model for the double sawcut experiment. <i>Tree Physiology</i> , 2010, 30, 901-913.	1.4	10
11	A Mathematical Description of Water Flow through Plant Tissues. <i>Journal of Theoretical Biology</i> , 1996, 180, 61-70.	0.8	8