

Robert P Skelton

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,169
citations

687363

13
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

1514
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary relationships between drought-related traits and climate shape large hydraulic safety margins in western North American oaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	41
2	Lack of vulnerability segmentation among woody species in a diverse dry sclerophyll woodland community. <i>Functional Ecology</i> , 2020, 34, 777-787.	3.6	23
3	Stem Diameter Fluctuations Provide a New Window into Plant Water Status and Function. <i>Plant Physiology</i> , 2020, 183, 1414-1415.	4.8	5
4	Quantifying losses of plant hydraulic function: seeing the forest, the trees and the xylem. <i>Tree Physiology</i> , 2020, 40, 285-289.	3.1	6
5	Injecting New Life into a Classic Technique. <i>Plant Physiology</i> , 2019, 180, 706-707.	4.8	1
6	Examining variation in hydraulic and resource acquisition traits along climatic gradients tests our understanding of plant form and function. <i>New Phytologist</i> , 2019, 223, 505-507.	7.3	7
7	No local adaptation in leaf or stem xylem vulnerability to embolism, but consistent vulnerability segmentation in a North American oak. <i>New Phytologist</i> , 2019, 223, 1296-1306.	7.3	52
8	Of Storage and Stems: Examining the Role of Stem Water Storage in Plant Water Balance. <i>Plant Physiology</i> , 2019, 179, 1433-1434.	4.8	9
9	Simulation Modeling Platform Provides a Powerful Tool for Identifying Optimal Traits and Management Practices for Wheat Production. <i>Plant Physiology</i> , 2019, 181, 847-848.	4.8	1
10	Burying Your Head in the Sand: Heading Belowground to Find Future Targets of Selection in Roots. <i>Plant Physiology</i> , 2019, 180, 1786-1787.	4.8	0
11	Beyond isohydricity: The role of environmental variability in determining plant drought responses. <i>Plant, Cell and Environment</i> , 2019, 42, 1104-1111.	5.7	47
12	The ecohydrological context of drought and classification of plant responses. <i>Ecology Letters</i> , 2018, 21, 1723-1736.	6.4	38
13	Low Vulnerability to Xylem Embolism in Leaves and Stems of North American Oaks. <i>Plant Physiology</i> , 2018, 177, 1066-1077.	4.8	117
14	Casting light on xylem vulnerability in an herbaceous species reveals a lack of segmentation. <i>New Phytologist</i> , 2017, 214, 561-569.	7.3	119
15	Gas exchange recovery following natural drought is rapid unless limited by loss of leaf hydraulic conductance: evidence from an evergreen woodland. <i>New Phytologist</i> , 2017, 215, 1399-1412.	7.3	111
16	Miniature External Sapflow Gauges and the Heat Ratio Method for Quantifying Plant Water Loss. <i>Bio-protocol</i> , 2017, 7, e2121.	0.4	2
17	Visual quantification of embolism reveals leaf vulnerability to hydraulic failure. <i>New Phytologist</i> , 2016, 209, 1403-1409.	7.3	213
18	Predicting plant vulnerability to drought in biodiverse regions using functional traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5744-5749.	7.1	261

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19	External heat-pulse method allows comparative sapflow measurements in diverse functional types in a Mediterranean-type shrubland in South Africa. <i>Functional Plant Biology</i> , 2013, 40, 1076.	2.1	20
20	Is leaf pubescence of Cape Proteaceae a xeromorphic or radiation-protective trait?. <i>Australian Journal of Botany</i> , 2012, 60, 104.	0.6	37
21	How do fires kill plants? The hydraulic death hypothesis and Cape Proteaceae "fire-resisters". <i>South African Journal of Botany</i> , 2011, 77, 381-386.	2.5	58
22	Phenological asynchrony between sexes of Restionaceae can explain culm ¹³ C </sup> differences. <i>Austral Ecology</i> , 0, , .	1.5	1