# Robert P Skelton

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8506758/publications.pdf

Version: 2024-02-01

| 22 | 1,169 | 687363<br>13 | 794594<br>19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 1514 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Predicting plant vulnerability to drought in biodiverse regions using functional traits. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5744-5749. | 7.1 | 261 |
| 2 | Visual quantification of embolism reveals leaf vulnerability to hydraulic failure. New Phytologist, 2016, 209, 1403-1409. | 7.3 | 213 |
| 3 | Casting light on xylem vulnerability in an herbaceous species reveals a lack of segmentation. New Phytologist, 2017, 214, 561-569. | 7.3 | 119 |
| 4 | Low Vulnerability to Xylem Embolism in Leaves and Stems of North American Oaks. Plant Physiology, 2018, 177, 1066-1077. | 4.8 | 117 |
| 5 | Gas exchange recovery following natural drought is rapid unless limited by loss of leaf hydraulic conductance: evidence from an evergreen woodland. New Phytologist, 2017, 215, 1399-1412. | 7.3 | 111 |
| 6 | How do fires kill plants? The hydraulic death hypothesis and Cape Proteaceae â€œfire-resistersâ€. South African Journal of Botany, 2011, 77, 381-386. | 2.5 | 58 |
| 7 | No local adaptation in leaf or stem xylem vulnerability to embolism, but consistent vulnerability segmentation in a North American oak. New Phytologist, 2019, 223, 1296-1306. | 7.3 | 52 |
| 8 | Beyond isohydricity: The role of environmental variability in determining plant drought responses. Plant, Cell and Environment, 2019, 42, 1104-1111. | 5.7 | 47 |
| 9 | Evolutionary relationships between drought-related traits and climate shape large hydraulic safety margins in western North American oaks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 41 |
| 10 | The ecohydrological context of drought and classification of plant responses. Ecology Letters, 2018, 21, 1723-1736. | 6.4 | 38 |
| 11 | Is leaf pubescence of Cape Proteaceae a xeromorphic or radiation-protective trait?. Australian Journal of Botany, 2012, 60, 104. | 0.6 | 37 |
| 12 | Lack of vulnerability segmentation among woody species in a diverse dry sclerophyll woodland community. Functional Ecology, 2020, 34, 777-787. | 3.6 | 23 |
| 13 | External heat-pulse method allows comparative sapflow measurements in diverse functional types in a Mediterranean-type shrubland in South Africa. Functional Plant Biology, 2013, 40, 1076. | 2.1 | 20 |
| 14 | Of Storage and Stems: Examining the Role of Stem Water Storage in Plant Water Balance. Plant Physiology, 2019, 179, 1433-1434. | 4.8 | 9 |
| 15 | Examining variation in hydraulic and resource acquisition traits along climatic gradients tests our understanding of plant form and function. New Phytologist, 2019, 223, 505-507. | 7.3 | 7 |
| 16 | Quantifying losses of plant hydraulic function: seeing the forest, the trees and the xylem. Tree Physiology, 2020, 40, 285-289. | 3.1 | 6 |
| 17 | Stem Diameter Fluctuations Provide a New Window into Plant Water Status and Function. Plant Physiology, 2020, 183, 1414-1415. | 4.8 | 5 |
| 18 | Miniature External Sapflow Gauges and the Heat Ratio Method for Quantifying Plant Water Loss. Bio-protocol, 2017, 7, e2121. | 0.4 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Injecting New Life into a Classic Technique. Plant Physiology, 2019, 180, 706-707. | 4.8 | 1 |
| 20 | Simulation Modeling Platform Provides a Powerful Tool for Identifying Optimal Traits and Management Practices for Wheat Production. Plant Physiology, 2019, 181, 847-848. | 4.8 | 1 |
| 21 | Phenological asynchrony between sexes of Restionaceae can explain culm <scp> Î´ <sup>13</sup> C </scp> differences. Austral Ecology, 0, , . | 1.5 | 1 |
| 22 | Burying Your Head in the Sand: Heading Belowground to Find Future Targets of Selection in Roots. Plant Physiology, 2019, 180, 1786-1787. | 4.8 | 0 |