

Fulton E Rockwell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3605935/publications.pdf>

Version: 2024-02-01

15
papers

1,137
citations

759233

12
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1491
citing authors

#	ARTICLE	IF	CITATIONS
1	Cutting xylem under tension or supersaturated with gas can generate PLC and the appearance of rapid recovery from embolism. <i>Plant, Cell and Environment</i> , 2013, 36, 1938-1949.	5.7	333
2	Iso/Anisohdry: A Plantâ€™Environment Interaction Rather Than a Simple Hydraulic Trait. <i>Trends in Plant Science</i> , 2018, 23, 112-120.	8.8	243
3	Stomatal Closure, Basal Leaf Embolism, and Shedding Protect the Hydraulic Integrity of Grape Stems. <i>Plant Physiology</i> , 2017, 174, 764-775.	4.8	158
4	Reversible Leaf Xylem Collapse: A Potential â€™Circuit Breakerâ€™ against Cavitation Â. <i>Plant Physiology</i> , 2016, 172, 2261-2274.	4.8	83
5	Cavitation and Its Discontents: Opportunities for Resolving Current Controversies Â. <i>Plant Physiology</i> , 2014, 164, 1649-1660.	4.8	78
6	Embracing 3D Complexity in Leaf Carbonâ€™Water Exchange. <i>Trends in Plant Science</i> , 2019, 24, 15-24.	8.8	55
7	Reversible Deformation of Transfusion Tracheids in <i>Taxus baccata</i> Is Associated with a Reversible Decrease in Leaf Hydraulic Conductance. <i>Plant Physiology</i> , 2014, 165, 1557-1565.	4.8	39
8	Leaf Hydraulic Architecture and Stomatal Conductance: A Functional Perspective. <i>Plant Physiology</i> , 2017, 174, 1996-2007.	4.8	31
9	Leaf Carbon Export and Nonstructural Carbohydrates in Relation to Diurnal Water Dynamics in Mature Oak Trees. <i>Plant Physiology</i> , 2020, 183, 1612-1621.	4.8	30
10	A minimally disruptive method for measuring water potential in planta using hydrogel nanoreporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
11	Leaf hydraulics I: Scaling transport properties from single cells to tissues. <i>Journal of Theoretical Biology</i> , 2014, 340, 251-266.	1.7	17
12	Ontogenetic scaling of phloem sieve tube anatomy and hydraulic resistance with tree height in <i>Quercus rubra</i> . <i>American Journal of Botany</i> , 2020, 107, 852-863.	1.7	17
13	Where does M ^{1/4} nch flow begin? Sucrose transport in the pre-phloem path. <i>Current Opinion in Plant Biology</i> , 2018, 43, 101-107.	7.1	13
14	Visualizing Embolism Propagation in Gas-Injected Leaves. <i>Plant Physiology</i> , 2019, 180, 874-881.	4.8	11
15	Leaf hydraulics II: Vascularized tissues. <i>Journal of Theoretical Biology</i> , 2014, 340, 267-284.	1.7	10