

Joseph K E Ortega

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10067958/publications.pdf>

Version: 2024-02-01

14
papers

506
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

553
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanics and modeling of plant cell growth. Trends in Plant Science, 2009, 14, 467-478.	8.8	264
2	Governing equations for plant cell growth. Physiologia Plantarum, 1990, 79, 116-121.	5.2	55
3	Plant Cell Growth in Tissue \hat{A} . Plant Physiology, 2010, 154, 1244-1253.	4.8	43
4	Pressure Probe Technique to Study Transpiration in Phycomyces Sporangioophores. Plant Physiology, 1988, 87, 11-14.	4.8	33
5	Phycornyces: TURGOR PRESSURE BEHAVIOR DURING THE LIGHT AND AVOIDANCE GROWTH RESPONSES. Photochemistry and Photobiology, 1988, 48, 697-703.	2.5	20
6	A Statistical Model of Expansive Growth in Plant and Fungal Cells: The Case of Phycomyces. Biophysical Journal, 2018, 115, 2428-2442.	0.5	19
7	Dimensionless number is central to stress relaxation and expansive growth of the cell wall. Scientific Reports, 2017, 7, 3016.	3.3	18
8	Stiff Mutant Genes of Phycomyces Affect Turgor Pressure and Wall Mechanical Properties to Regulate Elongation Growth Rate. Frontiers in Plant Science, 2012, 3, 99.	3.6	14
9	Cell Wall Loosening in the Fungus, Phycomyces blakesleeanus. Plants, 2015, 4, 63-84.	3.5	11
10	Dimensionless Numbers for Plant Biology. Trends in Plant Science, 2018, 23, 6-9.	8.8	11
11	Dimensionless Numbers to Analyze Expansive Growth Processes. Plants, 2019, 8, 17.	3.5	6
12	Dimensionless numbers to study cell wall deformation of stiff mutants of Phycomyces blakesleeanus. Plant Direct, 2019, 3, e00195.	1.9	6
13	Helical growth during the phototropic response, avoidance response, and in stiff mutants of Phycomyces blakesleeanus. Scientific Reports, 2021, 11, 3653.	3.3	5
14	Biophysical Equations and Pressure Probe Experiments to Determine Altered Growth Processes after Changes in Environment, Development, and Mutations. Plants, 2022, 11, 302.	3.5	1