

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