

Carolyn G Rasmussen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,951
citations

394421

19
h-index

610901

24
g-index

33
all docs

33
docs citations

33
times ranked

3279
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The genome sequence of the filamentous fungus <i>Neurospora crassa</i> . <i>Nature</i> , 2003, 422, 859-868. | 27.8 | 1,528 |
| 2 | Hyphal homing, fusion and mycelial interconnectedness. <i>Trends in Microbiology</i> , 2004, 12, 135-141. | 7.7 | 193 |
| 3 | Plant Cytokinesis: Terminology for Structures and Processes. <i>Trends in Cell Biology</i> , 2017, 27, 885-894. | 7.9 | 155 |
| 4 | Architecture and development of the <i>Neurospora crassa</i> hypha – a model cell for polarized growth. <i>Fungal Biology</i> , 2011, 115, 446-474. | 2.5 | 124 |
| 5 | Determination of Symmetric and Asymmetric Division Planes in Plant Cells. <i>Annual Review of Plant Biology</i> , 2011, 62, 387-409. | 18.7 | 116 |
| 6 | The role of the cytoskeleton and associated proteins in determination of the plant cell division plane. <i>Plant Journal</i> , 2013, 75, 258-269. | 5.7 | 115 |
| 7 | The <i>ham-2</i> Locus, Encoding a Putative Transmembrane Protein, Is Required for Hyphal Fusion in <i>Neurospora crassa</i> . <i>Genetics</i> , 2002, 160, 169-180. | 2.9 | 100 |
| 8 | An overview of plant division plane orientation. <i>New Phytologist</i> , 2018, 219, 505-512. | 7.3 | 69 |
| 9 | A Rho-Type GTPase, <i>rho-4</i> , Is Required for Septation in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2005, 4, 1913-1925. | 3.4 | 68 |
| 10 | Genes encoding a striatin-like protein (<i>ham-3</i>) and a forkhead associated protein (<i>ham-4</i>) are required for hyphal fusion in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2010, 47, 855-868. | 2.1 | 63 |
| 11 | Tangled localization at the cortical division site of plant cells occurs by several mechanisms. <i>Journal of Cell Science</i> , 2011, 124, 270-279. | 2.0 | 56 |
| 12 | Proper division plane orientation and mitotic progression together allow normal growth of maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2759-2764. | 7.1 | 49 |
| 13 | The Microtubule-Associated Protein IQ67 DOMAIN5 Modulates Microtubule Dynamics and Pavement Cell Shape. <i>Plant Physiology</i> , 2018, 177, 1555-1568. | 4.8 | 46 |
| 14 | A plane choice: coordinating timing and orientation of cell division during plant development. <i>Current Opinion in Plant Biology</i> , 2019, 47, 47-55. | 7.1 | 41 |
| 15 | Predicting Division Planes of Three-Dimensional Cells by Soap-Film Minimization. <i>Plant Cell</i> , 2018, 30, 2255-2266. | 6.6 | 36 |
| 16 | Cell biology of primary cell wall synthesis in plants. <i>Plant Cell</i> , 2022, 34, 103-128. | 6.6 | 36 |
| 17 | Localization of RHO-4 Indicates Differential Regulation of Conidial versus Vegetative Septation in the Filamentous Fungus <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1097-1107. | 3.4 | 32 |
| 18 | Division Plane Orientation Defects Revealed by a Synthetic Double Mutant Phenotype. <i>Plant Physiology</i> , 2018, 176, 418-431. | 4.8 | 32 |

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|----|--|-----|-----------|
| 19 | A DII Domain-Based Auxin Reporter Uncovers Low Auxin Signaling during Telophase and Early G1. <i>Plant Physiology</i> , 2017, 173, 863-871. | 4.8 | 26 |
| 20 | TANGLED1 mediates microtubule interactions that may promote division plane positioning in maize. <i>Journal of Cell Biology</i> , 2020, 219, . | 5.2 | 14 |
| 21 | Lack of the GTPase RHO-4 in <i>Neurospora crassa</i> causes a reduction in numbers and aberrant stabilization of microtubules at hyphal tips. <i>Fungal Genetics and Biology</i> , 2008, 45, 1027-1039. | 2.1 | 13 |
| 22 | Using Live-Cell Markers in Maize to Analyze Cell Division Orientation and Timing. <i>Methods in Molecular Biology</i> , 2016, 1370, 209-225. | 0.9 | 12 |
| 23 | Cell-Based Model of the Generation and Maintenance of the Shape and Structure of the Multilayered Shoot Apical Meristem of <i>Arabidopsis thaliana</i> . <i>Bulletin of Mathematical Biology</i> , 2019, 81, 3245-3281. | 1.9 | 11 |
| 24 | A Course-Based Undergraduate Research Experience in CRISPR-Cas9 Experimental Design to Support Reverse Genetic Studies in <i>Arabidopsis thaliana</i> . <i>Journal of Microbiology and Biology Education</i> , 2021, 22, . | 1.0 | 3 |
| 25 | Glue Impressions of Maize Leaves and Their Use in Classifying Mutants. <i>Bio-protocol</i> , 2019, 9, . | 0.4 | 3 |
| 26 | The Microtubule-Associated Protein IQ67 DOMAIN5 Modulates Microtubule Dynamics and Pavement Cell Shape. , 0, . | | 1 |