Carolyn G Rasmussen

List of Publications by Year
in descending order

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	Cell biology of primary cell wall synthesis in plants. Plant Cell, 2022, 34, 103-128.	6.6	36
2	A Course-Based Undergraduate Research Experience in CRISPR-Cas9 Experimental Design to Support Reverse Genetic Studies in Arabidopsis thaliana. Journal of Microbiology and Biology Education, 2021, 22, .	1.0	3
3	TANGLED1 mediates microtubule interactions that may promote division plane positioning in maize. Journal of Cell Biology, 2020, 219, .	5.2	14
4	Cell-Based Model of the Generation and Maintenance of the Shape and Structure of the Multilayered Shoot Apical Meristem of Arabidopsis thaliana. Bulletin of Mathematical Biology, 2019, 81, 3245-3281.	1.9	11
5	A plane choice: coordinating timing and orientation of cell division during plant development. Current Opinion in Plant Biology, 2019, 47, 47-55.	7.1	41
6	Glue Impressions of Maize Leaves and Their Use in Classifying Mutants. Bio-protocol, 2019, 9, .	0.4	3
7	An overview of plant divisionâ€plane orientation. New Phytologist, 2018, 219, 505-512.	7.3	69
8	Division Plane Orientation Defects Revealed by a Synthetic Double Mutant Phenotype. Plant Physiology, 2018, 176, 418-431.	4.8	32
9	The Microtubule-Associated Protein IQ67 DOMAIN5 Modulates Microtubule Dynamics and Pavement Cell Shape. Plant Physiology, 2018, 177, 1555-1568.	4.8	46
10	Predicting Division Planes of Three-Dimensional Cells by Soap-Film Minimization. Plant Cell, 2018, 30, 2255-2266.	6.6	36
11	A DII Domain-Based Auxin Reporter Uncovers Low Auxin Signaling during Telophase and Early G1. Plant Physiology, 2017, 173, 863-871.	4.8	26
12	Proper division plane orientation and mitotic progression together allow normal growth of maize. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2759-2764.	7.1	49
13	Plant Cytokinesis: Terminology for Structures and Processes. Trends in Cell Biology, 2017, 27, 885-894.	7.9	155
14	Using Live-Cell Markers in Maize to Analyze Cell Division Orientation and Timing. Methods in Molecular Biology, 2016, 1370, 209-225.	0.9	12
15	The role of the cytoskeleton and associated proteins in determination of the plant cell division plane. Plant Journal, 2013, 75, 258-269.	5.7	115
16	Architecture and development of the Neurospora crassa hypha â€“ a model cell for polarized growth. Fungal Biology, 2011, 115, 446-474.	2.5	124
17	Determination of Symmetric and Asymmetric Division Planes in Plant Cells. Annual Review of Plant Biology, 2011, 62, 387-409.	18.7	116
18	Tangled localization at the cortical division site of plant cells occurs by several mechanisms. Journal of Cell Science, 2011, 124, 270-279.	2.0	56

#	Article	IF	Citations
19	Genes encoding a striatin-like protein (ham-3) and a forkhead associated protein (ham-4) are required for hyphal fusion in Neurospora crassa. Fungal Genetics and Biology, 2010, 47, 855-868.	2.1	63
20	Lack of the GTPase RHO-4 in Neurospora crassa causes a reduction in numbers and aberrant stabilization of microtubules at hyphal tips. Fungal Genetics and Biology, 2008, 45, 1027-1039.	2.1	13
21	Localization of RHO-4 Indicates Differential Regulation of Conidial versus Vegetative Septation in the Filamentous Fungus Neurospora crassa. Eukaryotic Cell, 2007, 6, 1097-1107.	3.4	32
22	A Rho-Type GTPase, rho-4 , Is Required for Septation in Neurospora crassa. Eukaryotic Cell, 2005, 4, 1913-1925.	3.4	68
23	Hyphal homing, fusion and mycelial interconnectedness. Trends in Microbiology, 2004, 12, 135-141.	7.7	193
24	The genome sequence of the filamentous fungus Neurospora crassa. Nature, 2003, 422, 859-868.	27.8	1,528
25	The ham-2 Locus, Encoding a Putative Transmembrane Protein, Is Required for Hyphal Fusion in Neurospora crassa. Genetics, 2002, 160, 169-180.	2.9	100
26	The Microtubule-Associated Protein IQ67 DOMAIN5 Modulates Microtubule Dynamics and Pavement Cell Shape. , 0, .		1