

Laurie G Smith

List of Publications by Year in descending order

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40
papers

3,637
citations

172207

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315357

38
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44
all docs

44
docs citations

44
times ranked

3444
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating GWAS and TWAS to elucidate the genetic architecture of maize leaf cuticular conductance. <i>Plant Physiology</i> , 2022, 189, 2144-2158.	2.3	9
2	Constructing functional cuticles: analysis of relationships between cuticle lipid composition, ultrastructure and water barrier function in developing adult maize leaves. <i>Annals of Botany</i> , 2020, 125, 79-91.	1.4	58
3	Structure–function analysis of the maize bulliform cell cuticle and its potential role in dehydration and leaf rolling. <i>Plant Direct</i> , 2020, 4, e00282.	0.8	24
4	Transcriptomic network analyses shed light on the regulation of cuticle development in maize leaves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12464-12471.	3.3	19
5	Genome-Wide Association Study for Maize Leaf Cuticular Conductance Identifies Candidate Genes Involved in the Regulation of Cuticle Development. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1671-1683.	0.8	13
6	Machine Learning Enables High-Throughput Phenotyping for Analyses of the Genetic Architecture of Bulliform Cell Patterning in Maize. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 4235-4243.	0.8	9
7	Dominant, Heritable Resistance to Stewart’s Wilt in Maize Is Associated with an Enhanced Vascular Defense Response to Infection with <i>Pantoea stewartii</i> . <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1581-1597.	1.4	11
8	Integration of omic networks in a developmental atlas of maize. <i>Science</i> , 2016, 353, 814-818.	6.0	411
9	The SCAR/WAVE complex polarizes PAN receptors and promotes division asymmetry in maize. <i>Nature Plants</i> , 2015, 1, 14024.	4.7	108
10	A High-Resolution Tissue-Specific Proteome and Phosphoproteome Atlas of Maize Primary Roots Reveals Functional Gradients along the Root Axes. <i>Plant Physiology</i> , 2015, 168, 233-246.	2.3	64
11	Divergent Roles for Maize PAN1 and PAN2 Receptor-Like Proteins in Cytokinesis and Cell Morphogenesis. <i>Plant Physiology</i> , 2014, 164, 1905-1917.	2.3	31
12	Unraveling Genomic Complexity at a Quantitative Disease Resistance Locus in Maize. <i>Genetics</i> , 2014, 198, 333-344.	1.2	51
13	Parallel Proteomic and Phosphoproteomic Analyses of Successive Stages of Maize Leaf Development. <i>Plant Cell</i> , 2013, 25, 2798-2812.	3.1	94
14	Reconstruction of protein networks from an atlas of maize seed proteotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4808-17.	3.3	174
15	Identification of PAN2 by Quantitative Proteomics as a Leucine-Rich Repeat–Receptor-Like Kinase Acting Upstream of PAN1 to Polarize Cell Division in Maize. <i>Plant Cell</i> , 2012, 24, 4577-4589.	3.1	82
16	ROP GTPases Act with the Receptor-Like Protein PAN1 to Polarize Asymmetric Cell Division in Maize. <i>Plant Cell</i> , 2011, 23, 2273-2284.	3.1	106
17	Visualization of F-actin localization and dynamics with live cell markers in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2010, 47, 573-586.	0.9	104
18	Division plane control in plants: new players in the band. <i>Trends in Cell Biology</i> , 2009, 19, 180-188.	3.6	104

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19	A Receptor-Like Protein That Promotes Polarization of an Asymmetric Cell Division in Maize. <i>Science</i> , 2009, 323, 649-651.	6.0	133
20	Cell Biology of Maize Leaf Development. , 2009, , 179-203.		15
21	Division Plane Orientation in Plant Cells. <i>Plant Cell Monographs</i> , 2007, , 33-57.	0.4	7
22	Arabidopsis TANGLED Identifies the Division Plane throughout Mitosis and Cytokinesis. <i>Current Biology</i> , 2007, 17, 1827-1836.	1.8	171
23	Two Kinesins Are Involved in the Spatial Control of Cytokinesis in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2006, 16, 888-894.	1.8	144
24	BRICK1/HSPC300 functions with SCAR and the ARP2/3 complex to regulate epidermal cell shape in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2006, 133, 1091-1100.	1.2	103
25	SPATIAL CONTROL OF CELL EXPANSION BY THE PLANT CYTOSKELETON. <i>Annual Review of Cell and Developmental Biology</i> , 2005, 21, 271-295.	4.0	287
26	Cytoskeletal control of plant cell shape: getting the fine points. <i>Current Opinion in Plant Biology</i> , 2003, 6, 63-73.	3.5	151
27	Three Brick genes have distinct functions in a common pathway promoting polarized cell division and cell morphogenesis in the maize leaf epidermis. <i>Development (Cambridge)</i> , 2003, 130, 753-762.	1.2	90
28	Plant Cytokinesis: Motoring To The Finish. <i>Current Biology</i> , 2002, 12, R206-R208.	1.8	32
29	A Small, Novel Protein Highly Conserved in Plants and Animals Promotes the Polarized Growth and Division of Maize Leaf Epidermal Cells. <i>Current Biology</i> , 2002, 12, 849-853.	1.8	148
30	Investigation of the role of cell-cell interactions in division plane determination during maize leaf development through mosaic analysis of the <i>tangled1</i> mutation. <i>Development (Cambridge)</i> , 2002, 129, 3219-3226.	1.2	6
31	Plant cell division: building walls in the right places. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 33-39.	16.1	184
32	Tangled1. <i>Journal of Cell Biology</i> , 2001, 152, 231-236.	2.3	118
33	Roles for polarity and nuclear determinants in specifying daughter cell fates after an asymmetric cell division in the maize leaf. <i>Current Biology</i> , 2000, 10, 1229-1232.	1.8	85
34	Divide and conquer: cytokinesis in plant cells. <i>Current Opinion in Plant Biology</i> , 1999, 2, 447-453.	3.5	64
35	Clonal Analysis of Epidermal Patterning during Maize Leaf Development. <i>Developmental Biology</i> , 1999, 216, 646-658.	0.9	43
36	The Tangled1 Gene Is Required for Spatial Control of Cytoskeletal Arrays Associated with Cell Division during Maize Leaf Development. <i>Plant Cell</i> , 1998, 10, 1875-1888.	3.1	144

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37	ACQUISITION OF IDENTITY IN THE DEVELOPING LEAF. Annual Review of Cell and Developmental Biology, 1996, 12, 257-304.	4.0	98
38	Expression of <i>knotted1</i> marks shoot meristem formation during maize embryogenesis. Genesis, 1995, 16, 344-348.	3.1	93
39	Twin autonomous bipartite nuclear localization signals direct nuclear import of GT-2. Plant Journal, 1995, 8, 25-36.	2.8	36
40	Immunolocalization of Nuclear Proteins. , 1994, , 158-164.		2