

# Magdalena Bezanilla

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

3,347  
citations

236925

25  
h-index

206112

48  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3440  
citing authors

#	ARTICLE	IF	CITATIONS
1	COPII Sec23 proteins form isoform-specific endoplasmic reticulum exit sites with differential effects on polarized growth. <i>Plant Cell</i> , 2022, 34, 333-350.	6.6	9
2	A glossary of plant cell structures: Current insights and future questions. <i>Plant Cell</i> , 2022, 34, 10-52.	6.6	27
3	Back to the roots: A focus on plant cell biology. <i>Plant Cell</i> , 2022, 34, 1-3.	6.6	1
4	SABRE populates ER domains essential for cell plate maturation and cell expansion influencing cell and tissue patterning. <i>ELife</i> , 2021, 10, .	6.0	11
5	Plant PIEZO homologs modulate vacuole morphology during tip growth. <i>Science</i> , 2021, 373, 586-590.	12.6	58
6	Orchestrating cell morphology from the inside out – using polarized cell expansion in plants as a model. <i>Current Opinion in Cell Biology</i> , 2020, 62, 46-53.	5.4	32
7	Geometric cues forecast the switch from two- to three-dimensional growth in <i>Physcomitrella patens</i> . <i>New Phytologist</i> , 2020, 225, 1945-1955.	7.3	16
8	A Fully Functional ROP Fluorescent Fusion Protein Reveals Roles for This GTPase in Subcellular and Tissue-Level Patterning. <i>Plant Cell</i> , 2020, 32, 3436-3451.	6.6	29
9	The Moss <i>Physcomitrium</i> ( <i>Physcomitrella</i> ) <i>patens</i> : A Model Organism for Non-Seed Plants. <i>Plant Cell</i> , 2020, 32, 1361-1376.	6.6	188
10	In vivo analysis of formin dynamics reveals functional class diversification. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	9
11	Efficient and modular CRISPR-Cas9 vector system for <i>Physcomitrella patens</i> . <i>Plant Direct</i> , 2019, 3, e00168.	1.9	39
12	Systematic survey of the function of ROP regulators and effectors during tip growth in the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 447-457.	4.8	22
13	A model suite of green algae within the Scenedesmaceae for investigating contrasting desiccation tolerance and morphology. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	15
14	Simultaneous imaging and functional studies reveal a tight correlation between calcium and actin networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2869-E2878.	7.1	23
15	An ancient Sec10 formin fusion provides insights into actin-mediated regulation of exocytosis. <i>Journal of Cell Biology</i> , 2018, 217, 945-957.	5.2	23
16	Interplay between Ions, the Cytoskeleton, and Cell Wall Properties during Tip Growth. <i>Plant Physiology</i> , 2018, 176, 28-40.	4.8	65
17	Direct observation of the effects of cellulose synthesis inhibitors using live cell imaging of Cellulose Synthase (CESA) in <i>Physcomitrella patens</i> . <i>Scientific Reports</i> , 2018, 8, 735.	3.3	21
18	Cytoskeletal discoveries in the plant lineage using the moss <i>Physcomitrella patens</i> . <i>Biophysical Reviews</i> , 2018, 10, 1683-1693.	3.2	16

#	ARTICLE	IF	CITATIONS
19	Conditional genetic screen in <i>Physcomitrella patens</i> reveals a novel microtubule depolymerizing-end-tracking protein. <i>PLoS Genetics</i> , 2018, 14, e1007221.	3.5	17
20	Actin and microtubule cross talk mediates persistent polarized growth. <i>Journal of Cell Biology</i> , 2018, 217, 3531-3544.	5.2	70
21	<i><sc>SECONDARY WALL ASSOCIATED MYB</sc>1</i> is a positive regulator of secondary cell wall thickening in <i>Brachypodium distachyon</i> and is not found in the Brassicaceae. <i>Plant Journal</i> , 2018, 96, 532-545.	5.7	20
22	Plant Cytokinesis: Terminology for Structures and Processes. <i>Trends in Cell Biology</i> , 2017, 27, 885-894.	7.9	155
23	Non-model model organisms. <i>BMC Biology</i> , 2017, 15, 55.	3.8	164
24	Long-Term Growth of Moss in Microfluidic Devices Enables Subcellular Studies in Development. <i>Plant Physiology</i> , 2016, 172, 28-37.	4.8	52
25	Cytoskeletal dynamics: A view from the membrane. <i>Journal of Cell Biology</i> , 2015, 209, 329-337.	5.2	147
26	A family of ROP proteins that suppress actin dynamics and are essential for polarized growth and cell adhesion. <i>Journal of Cell Science</i> , 2015, 128, 2553-64.	2.0	43
27	Phosphatase and tensin homolog (PTEN) is a growth repressor of both rhizoid and gametophore development in the moss <i>Physcomitrella patens</i> . <i>Plant Physiology</i> , 2015, 169, pp.01197.2015.	4.8	17
28	Myosin VIII associates with microtubule ends and together with actin plays a role in guiding plant cell division. <i>ELife</i> , 2014, 3, .	6.0	175
29	Plant formins: membrane anchors for actin polymerization. <i>Trends in Cell Biology</i> , 2013, 23, 227-233.	7.9	56
30	Growth Mechanisms in Tip-Growing Plant Cells. <i>Annual Review of Plant Biology</i> , 2013, 64, 243-265.	18.7	180
31	Patterning the cell: membrane-cytoskeleton crosstalk. <i>Current Opinion in Plant Biology</i> , 2013, 16, 675-677.	7.1	1
32	What can plants do for cell biology?. <i>Molecular Biology of the Cell</i> , 2013, 24, 2491-2493.	2.1	2
33	<i>Physcomitrella patens</i> : a model for tip cell growth and differentiation. <i>Current Opinion in Plant Biology</i> , 2012, 15, 625-631.	7.1	74
34	Transient RNAi Assay in 96-Well Plate Format Facilitates High-Throughput Gene Function Studies in <i>Planta</i> . <i>Methods in Molecular Biology</i> , 2012, 918, 327-340.	0.9	2
35	Class II formin targeting to the cell cortex by binding PI(3,5)P2 is essential for polarized growth. <i>Journal of Cell Biology</i> , 2012, 198, 235-250.	5.2	94
36	Myosin VIII Regulates Protonemal Patterning and Developmental Timing in the Moss <i>Physcomitrella patens</i> . <i>Molecular Plant</i> , 2011, 4, 909-921.	8.3	51

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37	Actin Interacting Protein1 and Actin Depolymerizing Factor Drive Rapid Actin Dynamics in <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2011, 23, 3696-3710.	6.6	70
38	Parallel up-regulation of the profilin gene family following independent domestication of diploid and allopolyploid cotton ( <i>Gossypium</i> ). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 21152-21157.	7.1	61
39	Evolutionary crossroads in developmental biology: <i>Physcomitrella patens</i> . <i>Development (Cambridge)</i> , 2010, 137, 3535-3543.	2.5	120
40	Finding a Niche. <i>Molecular Biology of the Cell</i> , 2010, 21, 3762-3763.	2.1	0
41	Myosin XI Is Essential for Tip Growth in <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2010, 22, 1868-1882.	6.6	142
42	Rapid Screening for Temperature-Sensitive Alleles in Plants. <i>Plant Physiology</i> , 2009, 151, 506-514.	4.8	23
43	Spindle Positioning: Actin Mediates Pushing and Pulling. <i>Current Biology</i> , 2009, 19, R168-R169.	3.9	24
44	Rapid formin-mediated actin-filament elongation is essential for polarized plant cell growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13341-13346.	7.1	158
45	Lifeact-mEGFP Reveals a Dynamic Apical F-Actin Network in Tip Growing Plant Cells. <i>PLoS ONE</i> , 2009, 4, e5744.	2.5	196
46	Actin depolymerizing factor is essential for viability in plants, and its phosphoregulation is important for tip growth. <i>Plant Journal</i> , 2008, 54, 863-875.	5.7	107
47	Profilin Is Essential for Tip Growth in the Moss <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2007, 19, 3705-3722.	6.6	131
48	MOSSES AS MODEL SYSTEMS FOR THE STUDY OF METABOLISM AND DEVELOPMENT. <i>Annual Review of Plant Biology</i> , 2006, 57, 497-520.	18.7	237
49	Phylogenetic Analysis of New Plant Myosin Sequences. <i>Journal of Molecular Evolution</i> , 2003, 57, 229-239.	1.8	27
50	RNA Interference in the Moss <i>Physcomitrella patens</i> . <i>Plant Physiology</i> , 2003, 133, 470-474.	4.8	113
51	Tip Growth in the Moss <i>Physcomitrella patens</i> . , 0, , 143-166.		3
52	Slip slidin' away: Bristle-driven gliding by <i>Tetrademus deserticola</i> (chlorophyta) in microfluidic chambers <sup>1</sup> . <i>Journal of Phycology</i> , 0, , .	2.3	0