Miguel A Blazquez

List of Publications by Year
in descending order

106 papers	10,913 citations	31976 53 h-index	31849 101 g-index
123 all docs	123 docs citations	123 times ranked	9908 citing authors

#	Article	IF	Citations
1	A molecular framework for light and gibberellin control of cell elongation. Nature, 2008, 451, 480-484.	27.8	1,053
2	Activation Tagging in Arabidopsis. Plant Physiology, 2000, 122, 1003-1014.	4.8	896
3	Gibberellins Promote Flowering of Arabidopsis by Activating the LEAFY Promoter. Plant Cell, 1998, 10, 791-800.	6.6	519
4	Integration of floral inductive signals in Arabidopsis. Nature, 2000, 404, 889-892.	27.8	458
5	A thermosensory pathway controlling flowering time in Arabidopsis thaliana. Nature Genetics, 2003, 33, 168-171.	21.4	420
6	Molecular mechanism for the interaction between gibberellin and brassinosteroid signaling pathways in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13446-13451.	7.1	327
7	Trehalose-6-phosphate, a new regulator of yeast glycolysis that inhibits hexokinases. FEBS Letters, 1993, 329, 51-54.	2.8	291
8	Hormonal regulation of temperatureâ€induced growth in Arabidopsis. Plant Journal, 2009, 60, 589-601.	5.7	271
9	Transcriptional Regulation of Gibberellin Metabolism Genes by Auxin Signaling in Arabidopsis. Plant Physiology, 2006, 142, 553-563.	4.8	255
10	Gibberellins Repress Photomorphogenesis in Darkness. Plant Physiology, 2004, 134, 1050-1057.	4.8	236
11	Anthoceros genomes illuminate the origin of land plants and the unique biology of hornworts. Nature Plants, 2020, 6, 259-272.	9.3	225
12	Fertilizationâ€dependent auxin response in ovules triggers fruit development through the modulation of gibberellin metabolism in Arabidopsis. Plant Journal, 2009, 58, 318-332.	5.7	219
13	Isolation and molecular characterization of theArabidopsis TPS1gene, encoding trehaloseâ€6â€phosphate synthase. Plant Journal, 1998, 13, 685-689.	5.7	215
14	Polarization of PIN3â€dependent auxin transport for hypocotyl gravitropic response in Arabidopsis thaliana. Plant Journal, 2011, 67, 817-826.	5.7	171
15	Evolution of Plant Hormone Response Pathways. Annual Review of Plant Biology, 2020, 71, 327-353.	18.7	169
16	How Floral Meristems are Built. Plant Molecular Biology, 2006, 60, 855-870.	3.9	160
17	Gibberellins modulate light signaling pathways to prevent Arabidopsis seedling deâ€etiolation in darkness. Plant Journal, 2008, 53, 324-335.	5.7	160
18	A Polyamine Metabolon Involving Aminopropyl Transferase Complexes in Arabidopsis. Plant Cell, 2002, 14, 2539-2551.	6.6	159

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19	Flowering-Time Genes Modulate the Response to LEAFY Activity. Genetics, 1998, 150, 403-410.	2.9	151
20	Evolutionary Diversification in Polyamine Biosynthesis. Molecular Biology and Evolution, 2008, 25, 2119-2128.	8.9	150
21	ACAULIS5 controlsArabidopsisxylem specification through the prevention of premature cell death. Development (Cambridge), 2008, 135, 2573-2582.	2.5	140
22	TCP14 and TCP15 Mediate the Promotion of Seed Germination by Gibberellins in Arabidopsis thaliana. Molecular Plant, 2015, 8, 482-485.	8.3	139
23	Circadian oscillation of gibberellin signaling in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9292-9297.	7.1	131
24	Oxygen Sensing Coordinates Photomorphogenesis to Facilitate Seedling Survival. Current Biology, 2015, 25, 1483-1488.	3.9	131
25	Dynamic Regulation of Cortical Microtubule Organization through Prefoldin-DELLA Interaction. Current Biology, 2013, 23, 804-809.	3.9	124
26	Large-Scale Identification of Gibberellin-Related Transcription Factors Defines Group VII ETHYLENE RESPONSE FACTORS as Functional DELLA Partners. Plant Physiology, 2014, 166, 1022-1032.	4.8	124
27	Transcriptional Diversification and Functional Conservation between DELLA Proteins in Arabidopsis. Molecular Biology and Evolution, 2010, 27, 1247-1256.	8.9	123
28	Disruption of the Candida albicans TPS1 Gene Encoding Trehalose-6-Phosphate Synthase Impairs Formation of Hyphae and Decreases Infectivity. Journal of Bacteriology, 1998, 180, 3809-3815.	2.2	121
29	Signalling for developmental plasticity. Trends in Plant Science, 2004, 9, 309-314.	8.8	117
30	Molecular cloning ofCIF1, a yeast gene necessary for growth on glucose. Yeast, 1992, 8, 183-192.	1.7	114
31	Molecular interactions between light and hormone signaling to control plant growth. Plant Molecular Biology, 2009, 69, 409-417.	3.9	112
32	Genomic Analysis of DELLA Protein Activity. Plant and Cell Physiology, 2013, 54, 1229-1237.	3.1	108
33	Development of a citrus genome-wide EST collection and cDNA microarray as resources for genomic studies. Plant Molecular Biology, 2005, 57, 375-391.	3.9	104
34	The <scp>TRANSPLANTA</scp> collection of <scp>A</scp>rabidopsis lines: a resource for functional analysis of transcription factors based on their conditional overexpression. Plant Journal, 2014, 77, 944-953.	5.7	104
35	Flower development pathways. Journal of Cell Science, 2000, 113, 3547-3548.	2.0	102
36	Genome Wide Binding Site Analysis Reveals Transcriptional Coactivation of Cytokinin-Responsive Genes by DELLA Proteins. PLoS Genetics, 2015, 11, e1005337.	3.5	99

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37	Differential growth at the apical hook: all roads lead to auxin. Frontiers in Plant Science, 2013, 4, 441.	3.6	98
38	The transcriptional regulator BBX24 impairs DELLA activity to promote shade avoidance in Arabidopsis thaliana. Nature Communications, 2015, 6, 6202.	12.8	96
39	A bHLH-Based Feedback Loop Restricts Vascular Cell Proliferation in Plants. Developmental Cell, 2015, 35, 432-443.	7.0	96
40	Independent Regulation of Flowering by Phytochrome B and Gibberellins in Arabidopsis1. Plant Physiology, 1999, 120, 1025-1032.	4.8	93
41	Perturbation of spermine synthase Gene Expression and Transcript Profiling Provide New Insights on the Role of the Tetraamine Spermine in Arabidopsis Defense against Pseudomonas viridiflava Â Â Â. Plant Physiology, 2011, 156, 2266-2277.	4.8	93
42	Hierarchy of hormone action controlling apical hook development in Arabidopsis. Plant Journal, 2011, 67, 622-634.	5.7	92
43	Role of polyamines in plant vascular development. Plant Physiology and Biochemistry, 2010, 48, 534-539.	5.8	88
44	COP1 destabilizes DELLA proteins in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13792-13799.	7.1	84
45	Trehalose-6-P synthase is dispensable for growth on glucose but not for spore germination in Schizosaccharomyces pombe. Journal of Bacteriology, 1994, 176, 3895-3902.	2.2	82
46	Origin and evolution of gibberellin signaling and metabolism in plants. Seminars in Cell and Developmental Biology, 2021, 109, 46-54.	5.0	78
47	Auxins of microbial origin and their use in agriculture. Applied Microbiology and Biotechnology, 2020, 104, 8549-8565.	3.6	75
48	AUXIN BINDING PROTEIN1 Links Cell Wall Remodeling, Auxin Signaling, and Cell Expansion in Arabidopsis Â. Plant Cell, 2014, 26, 280-295.	6.6	71
49	Instructive roles for hormones in plant development. International Journal of Developmental Biology, 2009, 53, 1597-1608.	0.6	70
50	Independent Control of Gibberellin Biosynthesis and Flowering Time by the Circadian Clock in Arabidopsis. Plant Physiology, 2002, 130, 1770-1775.	4.8	67
51	DELLA-Induced Early Transcriptional Changes during Etiolated Development in Arabidopsis thaliana. PLoS ONE, 2011, 6, e23918.	2.5	63
52	Induction of auxin biosynthesis and WOX5 repression mediate changes in root development in Arabidopsis exposed to chitosan. Scientific Reports, 2017, 7, 16813.	3.3	61
53	Thermospermine levels are controlled by an auxinâ€dependent feedback loop mechanism in Populus xylem. Plant Journal, 2013, 75, 685-698.	5.7	57
54	Identification of Transgene-Free CRISPR-Edited Plants of Rice, Tomato, and Arabidopsis by Monitoring DsRED Fluorescence in Dry Seeds. Frontiers in Plant Science, 2019, 10, 1150.	3.6	56

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55	Thermospermine catabolism increases Arabidopsis thaliana resistance to Pseudomonas viridiflava. Journal of Experimental Botany, 2013, 64, 1393-1402.	4.8	49
56	SMZ/SNZ and gibberellin signaling are required for nitrate-elicited delay of flowering time in Arabidopsis thaliana. Journal of Experimental Botany, 2018, 69, 619-631.	4.8	48
57	Plant vascular development: mechanisms and environmental regulation. Cellular and Molecular Life Sciences, 2020, 77, 3711-3728.	5.4	41
58	Origin of Gibberellin-Dependent Transcriptional Regulation by Molecular Exploitation of a Transactivation Domain in DELLA Proteins. Molecular Biology and Evolution, 2019, 36, 908-918.	8.9	38
59	The ABA1 gene and carotenoid biosynthesis are required for late skotomorphogenic growth in Arabidopsis thaliana. Plant, Cell and Environment, 2008, 31, 227-234.	5.7	37
60	Auxin methylation is required for differential growth in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6864-6869.	7.1	37
61	Fruitâ€dependent epigenetic regulation of flowering in Citrus. New Phytologist, 2020, 225, 376-384.	7.3	37
62	Evolutionary Analysis of DELLA-Associated Transcriptional Networks. Frontiers in Plant Science, 2017, 8, 626.	3.6	35
63	PLANT SCIENCE: Enhanced: The Right Time and Place for Making Flowers. Science, 2005, 309, 1024-1025.	12.6	34
64	A Hormonal Regulatory Module That Provides Flexibility to Tropic Responses Â Â. Plant Physiology, 2011, 156, 1819-1825.	4.8	33
65	Schizosaccharomyces pombepossesses an unusual and a conventional hexokinase: biochemical and molecular characterization of both hexokinases. FEBS Letters, 1996, 378, 185-189.	2.8	32
66	Gibberellins Promote Flowering of Arabidopsis by Activating the LEAFY Promoter. Plant Cell, 1998, 10, 791.	6.6	32
67	Regulatory mechanisms of polyamine biosynthesis in plants. Genes and Genomics, 2009, 31, 107-118.	1.4	32
68	A mutation affecting carbon catabolite repression suppresses growth defects in pyruvate carboxylase mutants fromSaccharomyces cerevisiae. FEBS Letters, 1995, 377, 197-200.	2.8	29
69	Quantitation of biogenic tetraamines in Arabidopsis thaliana. Analytical Biochemistry, 2010, 397, 208-211.	2.4	29
70	The <scp>MPK</scp>8â€<scp>TCP</scp>14 pathway promotes seed germination in Arabidopsis. Plant Journal, 2019, 100, 677-692.	5.7	29
71	The role of a class <scp>III</scp> gibberellin 2â€oxidase in tomato internode elongation. Plant Journal, 2019, 97, 603-615.	5.7	28
72	Coordination between growth and stress responses by DELLA in the liverwort Marchantia polymorpha. Current Biology, 2021, 31, 3678-3686.e11.	3.9	28

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73	Identification of extragenic suppressors of the cif1 mutation in Saccharomyces cerevisiae. Current Genetics, 1994, 25, 89-94.	1.7	27
74	Quantitative GUS Activity Assay of Plant Extracts. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4690-pdb.prot4690.	0.3	27
75	Regulation of xylem fibers differentiation by gibberellins through DELLA-KNAT1 interaction. Development (Cambridge), 2018, 145, .	2.5	25
76	Mode of action of the gcr9 and cat3 mutations in restoring the ability of Saccharomyces cerevisiae tps1 mutants to grow on glucose. Molecular Genetics and Genomics, 1995, 249, 655-664.	2.4	23
77	Manufacturing antibodies in the plant cell. Biotechnology Journal, 2009, 4, 1712-1724.	3.5	23
78	Long-day photoperiod enhances jasmonic acid-related plant defense. Plant Physiology, 2018, 178, pp.00443.2018.	4.8	20
79	Î²-Lactam Antibiotics Modify Root Architecture and Indole Glucosinolate Metabolism in Arabidopsis thaliana. Plant and Cell Physiology, 2018, 59, 2086-2098.	3.1	20
80	Prefoldins contribute to maintaining the levels of the spliceosome LSM2â€“8 complex through Hsp90 in Arabidopsis. Nucleic Acids Research, 2020, 48, 6280-6293.	14.5	20
81	Use of Yarrowia lipolytica hexokinase for the quantitative determination of trehalose 6-phosphate. FEMS Microbiology Letters, 1994, 121, 223-227.	1.8	19
82	Catabolite inactivation of heterologous fructose-1,6-bisphosphatases and fructose-1,6-bisphosphatase-beta-galactosidase fusion proteins in Saccharomyces cerevisiae. FEBS Journal, 1994, 222, 879-884.	0.2	17
83	Conservation of Thermospermine Synthase Activity in Vascular and Non-vascular Plants. Frontiers in Plant Science, 2019, 10, 663.	3.6	16
84	Integration of light and hormone signals. Plant Signaling and Behavior, 2008, 3, 448-449.	2.4	15
85	Lack of lactate-proton symport activity inpck1mutants ofSaccharomyces cerevisiae. FEMS Microbiology Letters, 1995, 128, 279-282.	1.8	13
86	Reduction of indoleâ€3â€acetic acid methyltransferase activity compensates for highâ€temperature male sterility in Arabidopsis. Plant Biotechnology Journal, 2018, 16, 272-279.	8.3	13
87	Quantitative GUS Activity Assay in Intact Plant Tissue. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4688-pdb.prot4688.	0.3	12
88	Illuminating flowers: CONSTANS inducesLEAFYexpression. BioEssays, 1997, 19, 277-279.	2.5	11
89	Can plant biotechnology help in solving our food and energy shortage in the future?. Current Opinion in Biotechnology, 2011, 22, 220-223.	6.6	11
90	Integral Control of Plant Gravitropism through the Interplay of Hormone Signaling and Gene Regulation. Biophysical Journal, 2011, 101, 757-763.	0.5	10

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91	A genetic approach reveals different modes of action of prefoldins. Plant Physiology, 2021, 187, 1534-1550.	4.8	10
92	Expression of polyamine biosynthesis genes during parthenocarpic fruit development in Citrus clementina. Planta, 2010, 231, 1401-1411.	3.2	9
93	Spatial control of plant steroid signaling. Trends in Plant Science, 2013, 18, 235-236.	8.8	9
94	Reversion of fruitâ€dependent inhibition of flowering in Citrus requires sprouting of buds with epigenetically silenced CcMADS19. New Phytologist, 2022, 233, 526-533.	7.3	9
95	Extremophilic bacteria restrict the growth of Macrophomina phaseolina by combined secretion of polyamines and lytic enzymes. Biotechnology Reports (Amsterdam, Netherlands), 2021, 32, e00674.	4.4	9
96	Thefdp1andcif1mutations are caused by different single nucleotide changes in the yeastCIF1gene. FEMS Microbiology Letters, 1993, 107, 251-253.	1.8	7
97	Gibberellin Implication in Plant Growth and Stress Responses. , 2014, , 119-161.		5
98	Phenotypic Analysis of Arabidopsis Mutants: Gibberellin/Abscisic Acid/Paclobutrazol Hormone Response. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4964-pdb.prot4964.	0.3	3
99	ACAULIS5 Is Required for Cytokinin Accumulation and Function During Secondary Growth of Populus Trees. Frontiers in Plant Science, 2020, 11, 601858.	3.6	3
100	Integrating circadian and gibberellin signaling in Arabidopsis. Plant Signaling and Behavior, 2011, 6, 1411-1413.	2.4	2
101	In search for the role of thermospermine synthase gene in poplar vascular development. BMC Proceedings, 2011, 5, .	1.6	1
102	The fdp1 and cif1 mutations are caused by different single nucleotide changes in the yeast CIF1 gene. FEMS Microbiology Letters, 1993, 107, 251-253.	1.8	1
103	Preface - Plants develop and grow. International Journal of Developmental Biology, 2005, 49, 449-452.	0.6	1
104	Transport of lactate and its regulation inSaccharomyces cerevisiae mutants deficient in specific metabolic steps. Folia Microbiologica, 1994, 39, 512-512.	2.3	0
105	Arabidopsis Research 2000. Plant Cell, 2000, 12, 2302.	6.6	0
106	Phenotypic Analysis of Arabidopsis Mutants: Flowering Time. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4963-pdb.prot4963.	0.3	0