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	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
2	Origin and evolution of gibberellin signaling and metabolism in plants. Seminars in Cell and Developmental Biology, 2021, 109, 46-54.	5.0	78
3	A genetic approach reveals different modes of action of prefoldins. Plant Physiology, 2021, 187, 1534-1550.	4.8	10
4	Coordination between growth and stress responses by DELLA in the liverwort Marchantia polymorpha. Current Biology, 2021, 31, 3678-3686.e11.	3.9	28
5	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
6	Fruitâ€dependent epigenetic regulation of flowering in <i>Citrus</i>. New Phytologist, 2020, 225, 376-384.	7.3	37
7	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
8	ACAULIS5 Is Required for Cytokinin Accumulation and Function During Secondary Growth of Populus Trees. Frontiers in Plant Science, 2020, 11, 601858.	3.6	3
9	Auxins of microbial origin and their use in agriculture. Applied Microbiology and Biotechnology, 2020, 104, 8549-8565.	3.6	75
10	COP1 destabilizes DELLA proteins in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13792-13799.	7.1	84
11	Plant vascular development: mechanisms and environmental regulation. Cellular and Molecular Life Sciences, 2020, 77, 3711-3728.	5.4	41
12	Anthoceros genomes illuminate the origin of land plants and the unique biology of hornworts. Nature Plants, 2020, 6, 259-272.	9.3	225
13	Evolution of Plant Hormone Response Pathways. Annual Review of Plant Biology, 2020, 71, 327-353.	18.7	169
14	The <scp>MPK</scp>8â€<scp>TCP</scp>14 pathway promotes seed germination in Arabidopsis. Plant Journal, 2019, 100, 677-692.	5.7	29
15	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
16	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
17	Conservation of Thermospermine Synthase Activity in Vascular and Non-vascular Plants. Frontiers in Plant Science, 2019, 10, 663.	3.6	16
18	The role of a class <scp>III</scp> gibberellin 2â€oxidase in tomato internode elongation. Plant Journal, 2019, 97, 603-615.	5.7	28

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19	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
20	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
21	Regulation of xylem fibers differentiation by gibberellins through DELLA-KNAT1 interaction. Development (Cambridge), 2018, 145, .	2.5	25
22	Long-day photoperiod enhances jasmonic acid-related plant defense. Plant Physiology, 2018, 178, pp.00443.2018.	4.8	20
23	Î2-Lactam Antibiotics Modify Root Architecture and Indole Glucosinolate Metabolism in Arabidopsis thaliana. Plant and Cell Physiology, 2018, 59, 2086-2098.	3.1	20
24	Auxin methylation is required for differential growth in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6864-6869.	7.1	37
25	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
26	Evolutionary Analysis of DELLA-Associated Transcriptional Networks. Frontiers in Plant Science, 2017, 8, 626.	3.6	35
27	The transcriptional regulator BBX24 impairs DELLA activity to promote shade avoidance in Arabidopsis thaliana. Nature Communications, 2015, 6, 6202.	12.8	96
28	TCP14 and TCP15 Mediate the Promotion of Seed Germination by Gibberellins in Arabidopsis thaliana. Molecular Plant, 2015, 8, 482-485.	8.3	139
29	Oxygen Sensing Coordinates Photomorphogenesis to Facilitate Seedling Survival. Current Biology, 2015, 25, 1483-1488.	3.9	131
30	A bHLH-Based Feedback Loop Restricts Vascular Cell Proliferation in Plants. Developmental Cell, 2015, 35, 432-443.	7.0	96
31	Genome Wide Binding Site Analysis Reveals Transcriptional Coactivation of Cytokinin-Responsive Genes by DELLA Proteins. PLoS Genetics, 2015, 11, e1005337.	3.5	99
32	Gibberellin Implication in Plant Growth and Stress Responses. , 2014, , 119-161.		5
33	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
34	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
35	AUXIN BINDING PROTEIN1 Links Cell Wall Remodeling, Auxin Signaling, and Cell Expansion in <i>Arabidopsis</i> Â. Plant Cell, 2014, 26, 280-295.	6.6	71
36	Spatial control of plant steroid signaling. Trends in Plant Science, 2013, 18, 235-236.	8.8	9

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37	Genomic Analysis of DELLA Protein Activity. Plant and Cell Physiology, 2013, 54, 1229-1237.	3.1	108
38	Dynamic Regulation of Cortical Microtubule Organization through Prefoldin-DELLA Interaction. Current Biology, 2013, 23, 804-809.	3.9	124
39	Thermospermine levels are controlled by an auxinâ€dependent feedback loop mechanism in <i>Populus</i> xylem. Plant Journal, 2013, 75, 685-698.	5.7	57
40	Differential growth at the apical hook: all roads lead to auxin. Frontiers in Plant Science, 2013, 4, 441.	3.6	98
41	Thermospermine catabolism increases Arabidopsis thaliana resistance to Pseudomonas viridiflava. Journal of Experimental Botany, 2013, 64, 1393-1402.	4.8	49
42	Molecular mechanism for the interaction between gibberellin and brassinosteroid signaling pathways in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13446-13451.	7.1	327
43	Integral Control of Plant Gravitropism through the Interplay of Hormone Signaling and Gene Regulation. Biophysical Journal, 2011, 101, 757-763.	0.5	10
44	DELLA-Induced Early Transcriptional Changes during Etiolated Development in Arabidopsis thaliana. PLoS ONE, 2011, 6, e23918.	2.5	63
45	Hierarchy of hormone action controlling apical hook development in Arabidopsis. Plant Journal, 2011, 67, 622-634.	5.7	92
46	Polarization of PIN3â€dependent auxin transport for hypocotyl gravitropic response in <i>Arabidopsis thaliana</i>. Plant Journal, 2011, 67, 817-826.	5.7	171
47	A Hormonal Regulatory Module That Provides Flexibility to Tropic Responses Â Â. Plant Physiology, 2011, 156, 1819-1825.	4.8	33
48	In search for the role of thermospermine synthase gene in poplar vascular development. BMC Proceedings, 2011, 5, .	1.6	1
49	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
50	Integrating circadian and gibberellin signaling in Arabidopsis. Plant Signaling and Behavior, 2011, 6, 1411-1413.	2.4	2
51	Circadian oscillation of gibberellin signaling in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9292-9297.	7.1	131
52	Perturbation of <i>spermine synthase</i> Gene Expression and Transcript Profiling Provide New Insights on the Role of the Tetraamine Spermine in Arabidopsis Defense against <i>Pseudomonas viridiflava</i> Â Â Â. Plant Physiology, 2011, 156, 2266-2277.	4.8	93
53	Role of polyamines in plant vascular development. Plant Physiology and Biochemistry, 2010, 48, 534-539.	5.8	88
54	Expression of polyamine biosynthesis genes during parthenocarpic fruit development in Citrus clementina. Planta, 2010, 231, 1401-1411.	3.2	9

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55	Quantitation of biogenic tetraamines in Arabidopsis thaliana. Analytical Biochemistry, 2010, 397, 208-211.	2.4	29
56	Transcriptional Diversification and Functional Conservation between DELLA Proteins in Arabidopsis. Molecular Biology and Evolution, 2010, 27, 1247-1256.	8.9	123
57	Instructive roles for hormones in plant development. International Journal of Developmental Biology, 2009, 53, 1597-1608.	0.6	70
58	Molecular interactions between light and hormone signaling to control plant growth. Plant Molecular Biology, 2009, 69, 409-417.	3.9	112
59	Regulatory mechanisms of polyamine biosynthesis in plants. Genes and Genomics, 2009, 31, 107-118.	1.4	32
60	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
61	Hormonal regulation of temperatureâ€induced growth in Arabidopsis. Plant Journal, 2009, 60, 589-601.	5.7	271
62	Manufacturing antibodies in the plant cell. Biotechnology Journal, 2009, 4, 1712-1724.	3.5	23
63	Gibberellins modulate light signaling pathways to prevent Arabidopsis seedling deâ€etiolation in darkness. Plant Journal, 2008, 53, 324-335.	5.7	160
64	The <i>ABA1</i> gene and carotenoid biosynthesis are required for late skotomorphogenic growth in <i>Arabidopsis thaliana</i>. Plant, Cell and Environment, 2008, 31, 227-234.	5.7	37
65	A molecular framework for light and gibberellin control of cell elongation. Nature, 2008, 451, 480-484.	27.8	1,053
66	Phenotypic Analysis of Arabidopsis Mutants: Gibberellin/Abscisic Acid/Paclobutrazol Hormone Response. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4964-pdb.prot4964.	0.3	3
67	Phenotypic Analysis of Arabidopsis Mutants: Flowering Time. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4963-pdb.prot4963.	0.3	0
68	Integration of light and hormone signals. Plant Signaling and Behavior, 2008, 3, 448-449.	2.4	15
69	Evolutionary Diversification in Polyamine Biosynthesis. Molecular Biology and Evolution, 2008, 25, 2119-2128.	8.9	150
70	ACAULIS5 controls<i>Arabidopsis</i>xylem specification through the prevention of premature cell death. Development (Cambridge), 2008, 135, 2573-2582.	2.5	140
71	Quantitative GUS Activity Assay in Intact Plant Tissue. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4688-pdb.prot4688.	0.3	12
72	Quantitative GUS Activity Assay of Plant Extracts. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4690-pdb.prot4690.	0.3	27

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73	How Floral Meristems are Built. Plant Molecular Biology, 2006, 60, 855-870.	3.9	160
74	Transcriptional Regulation of Gibberellin Metabolism Genes by Auxin Signaling in Arabidopsis. Plant Physiology, 2006, 142, 553-563.	4.8	255
75	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
76	PLANT SCIENCE: Enhanced: The Right Time and Place for Making Flowers. Science, 2005, 309, 1024-1025.	12.6	34
77	Preface - Plants develop and grow. International Journal of Developmental Biology, 2005, 49, 449-452.	0.6	1
78	Gibberellins Repress Photomorphogenesis in Darkness. Plant Physiology, 2004, 134, 1050-1057.	4.8	236
79	Signalling for developmental plasticity. Trends in Plant Science, 2004, 9, 309-314.	8.8	117
80	A thermosensory pathway controlling flowering time in Arabidopsis thaliana. Nature Genetics, 2003, 33, 168-171.	21.4	420
81	Independent Control of Gibberellin Biosynthesis and Flowering Time by the Circadian Clock in Arabidopsis. Plant Physiology, 2002, 130, 1770-1775.	4.8	67
82	A Polyamine Metabolon Involving Aminopropyl Transferase Complexes in Arabidopsis. Plant Cell, 2002, 14, 2539-2551.	6.6	159
83	Integration of floral inductive signals in Arabidopsis. Nature, 2000, 404, 889-892.	27.8	458
84	Arabidopsis Research 2000. Plant Cell, 2000, 12, 2302.	6.6	0
85	Activation Tagging in Arabidopsis. Plant Physiology, 2000, 122, 1003-1014.	4.8	896
86	Flower development pathways. Journal of Cell Science, 2000, 113, 3547-3548.	2.0	102
87	Independent Regulation of Flowering by Phytochrome B and Gibberellins in Arabidopsis1. Plant Physiology, 1999, 120, 1025-1032.	4.8	93
88	Isolation and molecular characterization of theArabidopsis TPS1gene, encoding trehaloseâ€6â€phosphate synthase. Plant Journal, 1998, 13, 685-689.	5.7	215
89	Gibberellins Promote Flowering of Arabidopsis by Activating the LEAFY Promoter. Plant Cell, 1998, 10, 791-800.	6.6	519
90	Gibberellins Promote Flowering of Arabidopsis by Activating the LEAFY Promoter. Plant Cell, 1998, 10, 791.	6.6	32

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91	Flowering-Time Genes Modulate the Response to LEAFY Activity. Genetics, 1998, 150, 403-410.	2.9	151
92	Disruption of the <i>Candida albicans TPS1</i> Gene Encoding Trehalose-6-Phosphate Synthase Impairs Formation of Hyphae and Decreases Infectivity. Journal of Bacteriology, 1998, 180, 3809-3815.	2.2	121
93	Illuminating flowers: CONSTANS inducesLEAFYexpression. BioEssays, 1997, 19, 277-279.	2.5	11
94	Schizosaccharomyces pombepossesses an unusual and a conventional hexokinase: biochemical and molecular characterization of both hexokinases. FEBS Letters, 1996, 378, 185-189.	2.8	32
95	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
96	Lack of lactate-proton symport activity inpck1mutants ofSaccharomyces cerevisiae. FEMS Microbiology Letters, 1995, 128, 279-282.	1.8	13
97	A mutation affecting carbon catabolite repression suppresses growth defects in pyruvate carboxylase mutants fromSaccharomyces cerevisiae. FEBS Letters, 1995, 377, 197-200.	2.8	29
98	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
99	Identification of extragenic suppressors of the cif1 mutation in Saccharomyces cerevisiae. Current Genetics, 1994, 25, 89-94.	1.7	27
100	Transport of lactate and its regulation inSaccharomyces cerevisiae mutants deficient in specific metabolic steps. Folia Microbiologica, 1994, 39, 512-512.	2.3	0
101	Use of Yarrowia lipolytica hexokinase for the quantitative determination of trehalose 6-phosphate. FEMS Microbiology Letters, 1994, 121, 223-227.	1.8	19
102	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
103	Thefdp1andcif1mutations are caused by different single nucleotide changes in the yeastCIF1gene. FEMS Microbiology Letters, 1993, 107, 251-253.	1.8	7
104	Trehalose-6-phosphate, a new regulator of yeast glycolysis that inhibits hexokinases. FEBS Letters, 1993, 329, 51-54.	2.8	291
105	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
106	Molecular cloning ofCIF1, a yeast gene necessary for growth on glucose. Yeast, 1992, 8, 183-192.	1.7	114