Joaquin Medina

List of Publications by Year
in descending order

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39 papers	2,737 citations	304743 22 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	3593 citing authors

#	Article	IF	Citations
1	The Arabidopsis CBF Gene Family Is Composed of Three Genes Encoding AP2 Domain-Containing Proteins Whose Expression Is Regulated by Low Temperature but Not by Abscisic Acid or Dehydration1. Plant Physiology, 1999, 119, 463-470.	4.8	397
2	<i>Arabidopsis</i>CBF1 and CBF3 have a different function than CBF2 in cold acclimation and define different gene classes in the CBF regulon. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 21002-21007.	7.1	321
3	Integration of low temperature and light signaling during cold acclimation response in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16475-16480.	7.1	309
4	The CBFs: Three arabidopsis transcription factors to cold acclimate. Plant Science, 2011, 180, 3-11.	3.6	219
5	The jasmonic acid signaling pathway is linked to auxin homeostasis through the modulation of <i><scp>YUCCA</scp>8</i> and <i><scp>YUCCA</scp>9</i> gene expression. Plant Journal, 2013, 74, 626-637.	5.7	178
6	Characterization of tomato Cycling Dof Factors reveals conserved and new functions in the control of flowering time and abiotic stress responses. Journal of Experimental Botany, 2014, 65, 995-1012.	4.8	161
7	14-3-3 Proteins Are Part of an Abscisic Acidâ€“VIVIPAROUS1 (VP1) Response Complex in the Em Promoter and Interact with VP1 and EmBP1. Plant Cell, 1998, 10, 837-847.	6.6	134
8	Multifaceted role of cycling DOF factor 3 (CDF3) in the regulation of flowering time and abiotic stress responses in <i>Arabidopsis</i>. Plant, Cell and Environment, 2017, 40, 748-764.	5.7	110
9	Developmental and Stress Regulation of RCI2A andRCI2B, Two Cold-Inducible Genes of Arabidopsis Encoding Highly Conserved Hydrophobic Proteins. Plant Physiology, 2001, 125, 1655-1666.	4.8	96
10	Structural and functional characterization of the phytoene synthase promoter from Arabidopsis thaliana. Planta, 2003, 216, 523-534.	3.2	87
11	14-3-3 Proteins Are Part of an Abscisic Acid-VIVIPAROUS1 (VP1) Response Complex in the Em Promoter and Interact with VP1 and EmBP1. Plant Cell, 1998, 10, 837.	6.6	72
12	Phylogenetic and functional analysis of Arabidopsis RCI2 genes. Journal of Experimental Botany, 2007, 58, 4333-4346.	4.8	68
13	Genetic analysis reveals a complex regulatory network modulating CBF gene expression and Arabidopsis response to abiotic stress. Journal of Experimental Botany, 2012, 63, 293-304.	4.8	63
14	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
15	Ectopic Expression of CDF3 Genes in Tomato Enhances Biomass Production and Yield under Salinity Stress Conditions. Frontiers in Plant Science, 2017, 8, 660.	3.6	45
16	The World Saffron and Crocus collection: strategies for establishment, management, characterisation and utilisation. Genetic Resources and Crop Evolution, 2011, 58, 125-137.	1.6	44
17	Integrative Transcriptomic Analysis Uncovers Novel Gene Modules That Underlie the Sulfate Response in Arabidopsis thaliana. Frontiers in Plant Science, 2018, 9, 470.	3.6	44
18	<i>Arabidopsis thaliana</i> transcription factors <i>MYB28</i> and <i>MYB29</i> shape ammonium stress responses by regulating Fe homeostasis. New Phytologist, 2021, 229, 1021-1035.	7.3	43

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19	YUCCA8andYUCCA9overexpression reveals a link between auxin signaling and lignification through the induction of ethylene biosynthesis. Plant Signaling and Behavior, 2013, 8, e26363.	2.4	33
20	Production of a cytotoxic proteoglycan using callus culture of saffron corms (Crocus sativus L.). Journal of Biotechnology, 1999, 73, 53-59.	3.8	32
21	Local Changes in Chromatin Accessibility and Transcriptional Networks Underlying the Nitrate Response in Arabidopsis Roots. Molecular Plant, 2019, 12, 1545-1560.	8.3	31
22	Arabidopsis mutants deregulated in RCI2A expression reveal new signaling pathways in abiotic stress responses. Plant Journal, 2005, 42, 586-597.	5.7	29
23	CDF transcription factors: plant regulators to deal with extreme environmental conditions. Journal of Experimental Botany, 2020, 71, 3803-3815.	4.8	29
24	WRKY7, -11 and -17 transcription factors are modulators of the bZIP28 branch of the unfolded protein response during PAMP-triggered immunity in Arabidopsis thaliana. Plant Science, 2018, 277, 242-250.	3.6	20
25	Identification of Novel Components of the Unfolded Protein Response in Arabidopsis. Frontiers in Plant Science, 2016, 7, 650.	3.6	18
26	The Arabidopsis Transcription Factor CDF3 Is Involved in Nitrogen Responses and Improves Nitrogen Use Efficiency in Tomato. Frontiers in Plant Science, 2020, 11, 601558.	3.6	18
27	Spatiotemporal analysis identifies ABF2 and ABF3 as key hubs of endodermal response to nitrate. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
28	Cloning of cDNA, expression, and chromosomal location of genes encoding the three types of subunits of the barley tetrameric inhibitor of insect ?-amylase. Plant Molecular Biology, 1993, 23, 535-542.	3.9	14
29	The targeted overexpression of SlCDF4 in the fruit enhances tomato size and yield involving gibberellin signalling. Scientific Reports, 2020, 10, 10645.	3.3	14
30	Transcriptomic analysis at organ and time scale reveals gene regulatory networks controlling the sulfate starvation response of Solanum lycopersicum. BMC Plant Biology, 2020, 20, 385.	3.6	13
31	Salinity Assay in Arabidopsis. Bio-protocol, 2014, 4, .	0.4	9
32	Integrative Transcriptomic and Metabolomic Analysis at Organ Scale Reveals Gene Modules Involved in the Responses to Suboptimal Nitrogen Supply in Tomato. Agronomy, 2021, 11, 1320.	3.0	6
33	When Transcriptomics and Metabolomics Work Hand in Hand: A Case Study Characterizing Plant CDF Transcription Factors. High-Throughput, 2018, 7, 7.	4.4	4
34	Salinity Assay in Tomato. Bio-protocol, 2014, 4, .	0.4	3
35	Evolutionary and Gene Expression Analyses Reveal New Insights into the Role of LSU Gene-Family in Plant Responses to Sulfate-Deficiency. Plants, 2022, 11, 1526.	3.5	3
36	An improved protocol for library screening by protein-protein interactions with biotinylated MBP-fusion proteins. Plant Molecular Biology Reporter, 1995, 13, 164-173.	1.8	2

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37	bZIP signalling cascade in ABA transduction pathway. Trends in Plant Science, 2002, 7, 288-289.	8.8	1
38	Regulatory gene networks involved in the cold transduction pathway. Trends in Plant Science, 2002, 7, 483.	8.8	0
39	Differential Seed Germination Responses of Tomato Landraces to Temperature under Climate Change Scenarios. Seeds, 2022, 1, 36-48.	1.8	0