JosÃ© Manuel JimÃ©nez-GÃ³mez

List of Publications by Year
in descending order

41 papers	3,421 citations	186265 28 h-index	254184 43 g-index
49 all docs	49 docs citations	49 times ranked	5226 citing authors

#	Article	IF	Citations
1	The genome of the stress-tolerant wild tomato species Solanum pennellii. Nature Genetics, 2014, 46, 1034-1038.	21.4	391
2	Variation in the flowering gene SELF PRUNING 5G promotes day-neutrality and early yield in tomato. Nature Genetics, 2017, 49, 162-168.	21.4	344
3	Comparative transcriptomics reveals patterns of selection in domesticated and wild tomato. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2655-62.	7.1	325
4	A Quantitative Genetic Basis for Leaf Morphology in a Set of Precisely Defined Tomato Introgression Lines. Plant Cell, 2013, 25, 2465-2481.	6.6	209
5	Domestication selected for deceleration of the circadian clock in cultivated tomato. Nature Genetics, 2016, 48, 89-93.	21.4	165
6	Multi-Omics of Tomato Glandular Trichomes Reveals Distinct Features of Central Carbon Metabolism Supporting High Productivity of Specialized Metabolites. Plant Cell, 2017, 29, 960-983.	6.6	143
7	Network Quantitative Trait Loci Mapping of Circadian Clock Outputs Identifies Metabolic Pathway-to-Clock Linkages in Arabidopsis Â Â. Plant Cell, 2011, 23, 471-485.	6.6	139
8	Nonsense-Mediated mRNA Decay Modulates Immune Receptor Levels to Regulate Plant Antibacterial Defense. Cell Host and Microbe, 2014, 16, 376-390.	11.0	126
9	A footprint of desiccation tolerance in the genome of Xerophyta viscosa. Nature Plants, 2017, 3, 17038.	9.3	123
10	Network Analysis Identifies ELF3 as a QTL for the Shade Avoidance Response in Arabidopsis. PLoS Genetics, 2010, 6, e1001100.	3.5	120
11	ENOregulates tomato fruit size through the floral meristem development network. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8187-8195.	7.1	108
12	Genomic Analysis of QTLs and Genes Altering Natural Variation in Stochastic Noise. PLoS Genetics, 2011, 7, e1002295.	3.5	107
13	New Strategies and Tools in Quantitative Genetics: How to Go from the Phenotype to the Genotype. Annual Review of Plant Biology, 2017, 68, 435-455.	18.7	100
14	The impact of transposable elements on tomato diversity. Nature Communications, 2020, 11, 4058.	12.8	92
15	NPR1 mediates a novel regulatory pathway in cold acclimation by interacting with HSFA1 factors. Nature Plants, 2018, 4, 811-823.	9.3	80
16	Duplication of a domestication locus neutralized a cryptic variant that caused a breeding barrier in tomato. Nature Plants, 2019, 5, 471-479.	9.3	66
17	The LSM1-7 Complex Differentially Regulates Arabidopsis Tolerance to Abiotic Stress Conditions by Promoting Selective mRNA Decapping. Plant Cell, 2016, 28, 505-520.	6.6	60
18	Natural variation in HsfA2 preâ€mRNA splicing is associated with changes in thermotolerance during tomato domestication. New Phytologist, 2020, 225, 1297-1310.	7.3	55

#	Article	IF	Citations
19	Native Environment Modulates Leaf Size and Response to Simulated Foliar Shade across Wild Tomato Species. PLoS ONE, 2012, 7, e29570.	2.5	54
20	Fine genetic mapping of RXopJ4, a bacterial spot disease resistance locus from Solanum pennellii LA716. Theoretical and Applied Genetics, 2013, 126, 601-609.	3.6	51
21	Targeted and Untargeted Approaches Unravel Novel Candidate Genes and Diagnostic SNPs for Quantitative Resistance of the Potato (Solanum tuberosum L.) to Phytophthora infestans Causing the Late Blight Disease. PLoS ONE, 2016, 11, e0156254.	2.5	51
22	Mutations in EID1 and LNK2 caused light-conditional clock deceleration during tomato domestication. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7135-7140.	7.1	48
23	Mild drought in the vegetative stage induces phenotypic, gene expression, and DNA methylation plasticity in Arabidopsis but no transgenerational effects. Journal of Experimental Botany, 2020, 71, 3588-3602.	4.8	48
24	Sequence diversity in three tomato species: SNPs, markers, and molecular evolution. BMC Plant Biology, 2009, 9, 85.	3.6	44
25	The relationship between flowering time and growth responses to drought in the Arabidopsis Landsberg erecta x Antwerp-1 population. Frontiers in Plant Science, 2014, 5, 609.	3.6	44
26	Arabidopsis SME1 Regulates Plant Development and Response to Abiotic Stress by Determining Spliceosome Activity Specificity. Plant Cell, 2019, 31, 537-554.	6.6	42
27	CLAUSA is a MYB Transcription Factor that Promotes Leaf Differentiation by Attenuating Cytokinin Signaling. Plant Cell, 2016, 28, tpc.00211.2016.	6.6	40
28	Pivotal Roles of Cryptochromes 1a and 2 in Tomato Development and Physiology. Plant Physiology, 2019, 179, 732-748.	4.8	40
29	Alleleâ€specific expression and genetic determinants of transcriptomic variations in response to mild water deficit in tomato. Plant Journal, 2018, 96, 635-650.	5.7	28
30	Alternative splicing enhances transcriptome complexity in desiccating seeds. Journal of Integrative Plant Biology, 2016, 58, 947-958.	8.5	26
31	Functional analysis of FRIGIDA using naturally occurring variation in Arabidopsis thaliana. Plant Journal, 2020, 103, 154-165.	5.7	23
32	Functional analysis of the Landsberg erecta allele of FRIGIDA. BMC Plant Biology, 2014, 14, 218.	3.6	20
33	Prominent alterations of wild barley leaf transcriptome in response to individual and combined drought acclimation and heat shock conditions. Physiologia Plantarum, 2018, 163, 18-29.	5.2	16
34	Construction of a High-Density Genetic Map from RNA-Seq Data for an Arabidopsis Bay-0 Ã— Shahdara RIL Population. Frontiers in Genetics, 2017, 8, 201.	2.3	15
35	Interaction between photoperiod and variation in circadian rhythms in tomato. BMC Plant Biology, 2022, 22, 187.	3.6	12
36	Next generation quantitative genetics in plants. Frontiers in Plant Science, 2011, 2, 77.	3.6	11

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37	Network types and their application in natural variation studies in plants. Current Opinion in Plant Biology, 2014, 18, 80-86.	7.1	9
38	Sl <scp>HAK</scp> 20: a new player in plant salt tolerance. EMBO Journal, 2020, 39, e104997.	7.8	8
39	Effective Mapping by Sequencing to Isolate Causal Mutations in the Tomato Genome. Methods in Molecular Biology, 2021, 2264, 89-103.	0.9	7
40	Analysis of Circadian Leaf Movements. Methods in Molecular Biology, 2016, 1398, 71-79.	0.9	7
41	The VIL gene CRAWLING ELEPHANT controls maturation and differentiation in tomato via polycomb silencing. PLoS Genetics, 2022, 18, e1009633.	3.5	2