Javier F Palatnik

List of Publications by Year
in descending order

66 papers	9,096 citations	87888 38 h-index	128289 60 g-index
71 all docs	71 docs citations	71 times ranked	7908 citing authors

#	Article	IF	Citations
1	Potent inhibition of TCP transcription factors by miR319 ensures proper root growth in Arabidopsis. Plant Molecular Biology, 2022, 108, 93-103.	3.9	14
2	ARF2 represses expression of plant <i>GRF</i> transcription factors in a complementary mechanism to microRNA miR396. Plant Physiology, 2021, 185, 1798-1812.	4.8	18
3	The <i>Arabidopsis</i> GRAS-type SCL28 transcription factor controls the mitotic cell cycle and division plane orientation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
4	Inhibition of <i>Arabidopsis thaliana</i> CINâ€like TCP transcription factors by <i>Agrobacterium</i> Tâ€DNAâ€encoded 6B proteins. Plant Journal, 2020, 101, 1303-1317.	5.7	5
5	MicroRNA miR396, GRF transcription factors and GIF co-regulators: a conserved plant growth regulatory module with potential for breeding and biotechnology. Current Opinion in Plant Biology, 2020, 53, 31-42.	7.1	110
6	A GRFâ€“GIF chimeric protein improves the regeneration efficiency of transgenic plants. Nature Biotechnology, 2020, 38, 1274-1279.	17.5	272
7	Identification of key sequence features required for microRNA biogenesis in plants. Nature Communications, 2020, 11, 5320.	12.8	23
8	Dual function of HYPONASTIC LEAVES 1 during early skotomorphogenic growth in Arabidopsis. Plant Journal, 2020, 102, 977-991.	5.7	9
9	Detection of MicroRNA Processing Intermediates Through RNA Ligation Approaches. Methods in Molecular Biology, 2019, 1932, 261-283.	0.9	2
10	Keep calm and carry on: mi<scp>RNA</scp> biogenesis under stress. Plant Journal, 2019, 99, 832-843.	5.7	48
11	Beyond Dicerâ€™s cut. Nature Plants, 2019, 5, 1201-1202.	9.3	0
12	GIF Transcriptional Coregulators Control Root Meristem Homeostasis. Plant Cell, 2018, 30, 347-359.	6.6	41
13	Spatial Control of Gene Expression by miR319-Regulated TCP Transcription Factors in Leaf Development. Plant Physiology, 2018, 176, 1694-1708.	4.8	119
14	Efficiency and precision of microRNA biogenesis modes in plants. Nucleic Acids Research, 2018, 46, 10709-10723.	14.5	37
15	Editorial overview: Cell signalling and gene regulation: Something new, something old, something borrowed, something blue. Current Opinion in Plant Biology, 2018, 45, 185-187.	7.1	0
16	Analysis of Expression Gradients of Developmental Regulators in Arabidopsis thaliana Roots. Methods in Molecular Biology, 2018, 1863, 3-17.	0.9	9
17	Robust increase of leaf size by Arabidopsis thaliana GRF3-like transcription factors under different growth conditions. Scientific Reports, 2018, 8, 13447.	3.3	48
18	Evolutionary Footprints Reveal Insights into Plant MicroRNA Biogenesis. Plant Cell, 2017, 29, 1248-1261.	6.6	69

#	Article	IF	Citations
19	Control of cell proliferation and elongation by miR396. Plant Signaling and Behavior, 2016, 11, e1184809.	2.4	19
20	Control of cell proliferation by microRNAs in plants. Current Opinion in Plant Biology, 2016, 34, 68-76.	7.1	60
21	Growth-Regulating Factors, A Transcription Factor Family Regulating More than Just Plant Growth. , 2016, , 269-280.		8
22	MicroRNA miR396 Regulates the Switch between Stem Cells and Transit-Amplifying Cells in Arabidopsis Roots. Plant Cell, 2015, 27, 3354-3366.	6.6	125
23	Dynamics of chromatin accessibility and gene regulation by MADS-domain transcription factors in flower development. Genome Biology, 2014, 15, R41.	9.6	210
24	Morphogenesis of simple leaves: regulation of leaf size and shape. Wiley Interdisciplinary Reviews: Developmental Biology, 2014, 3, 41-57.	5.9	97
25	Reprint of: Construction of Specific Parallel Amplification of RNA Ends (SPARE) libraries for the systematic identification of plant microRNA processing intermediates. Methods, 2014, 67, 36-44.	3.8	0
26	Alteration of the microRNA-122 regulatory network in rat models of hepatotoxicity. Environmental Toxicology and Pharmacology, 2014, 37, 354-364.	4.0	6
27	Repression of Cell Proliferation by miR319-Regulated TCP4. Molecular Plant, 2014, 7, 1533-1544.	8.3	232
28	comTAR: a web tool for the prediction and characterization of conserved microRNA targets in plants. Bioinformatics, 2014, 30, 2066-2067.	4.1	26
29	Postâ€transcriptional control of <i><scp>GRF</scp></i> transcription factors by micro<scp>RNA</scp> miR396 and <scp>GIF</scp> coâ€activator affects leaf size and longevity. Plant Journal, 2014, 79, 413-426.	5.7	231
30	Structural Determinants of Arabidopsis thaliana Hyponastic Leaves 1 Function In Vivo. PLoS ONE, 2014, 9, e113243.	2.5	9
31	Repression of Growth Regulating Factors by the MicroRNA396 Inhibits Cell Proliferation by UV-B Radiation in <i>Arabidopsis</i> Leaves. Plant Cell, 2013, 25, 3570-3583.	6.6	124
32	Multiple RNA recognition patterns during microRNA biogenesis in plants. Genome Research, 2013, 23, 1675-1689.	5.5	110
33	Processing of plant microRNA precursors. Briefings in Functional Genomics, 2013, 12, 37-45.	2.7	57
34	MicroRNA miR396 and RDR6 synergistically regulate leaf development. Mechanisms of Development, 2013, 130, 2-13.	1.7	67
35	Construction of Specific Parallel Amplification of RNA Ends (SPARE) libraries for the systematic identification of plant microRNA processing intermediates. Methods, 2013, 64, 283-291.	3.8	10
36	miR396 affects mycorrhization and root meristem activity in the legume <i><scp>M</scp>edicago truncatula</i>. Plant Journal, 2013, 74, 920-934.	5.7	186

#	Article	IF	Citations
37	Second Double-Stranded RNA Binding Domain of Dicer-like Ribonuclease 1: Structural and Biochemical Characterization. Biochemistry, 2012, 51, 10159-10166.	2.5	16
38	Functional Specialization of the Plant miR396 Regulatory Network through Distinct MicroRNAâ€“Target Interactions. PLoS Genetics, 2012, 8, e1002419.	3.5	192
39	Reference Genes for Real-Time PCR Quantification of MicroRNAs and Messenger RNAs in Rat Models of Hepatotoxicity. PLoS ONE, 2012, 7, e36323.	2.5	89
40	Identification of new microRNA-regulated genes by conserved targeting in plant species. Nucleic Acids Research, 2012, 40, 8893-8904.	14.5	45
41	Role of MicroRNA miR319 in Plant Development. Signaling and Communication in Plants, 2012, , 29-47.	0.7	46
42	Biogenesis of Plant MicroRNAs. , 2011, , 251-268.		4
43	Rapid measurement of residual dipolar couplings for fast fold elucidation of proteins. Journal of Biomolecular NMR, 2011, 51, 369-378.	2.8	18
44	Plants contain two SCO proteins that are differentially involved in cytochrome c oxidase function and copper and redox homeostasis. Journal of Experimental Botany, 2011, 62, 4281-4294.	4.8	49
45	A Mechanistic Link between<i>STM</i>and<i>CUC1</i>during Arabidopsis Development Â Â Â. Plant Physiology, 2011, 156, 1894-1904.	4.8	124
46	Identification of MicroRNA Processing Determinants by Random Mutagenesis of Arabidopsis MIR172a Precursor. Current Biology, 2010, 20, 49-54.	3.9	145
47	Control of cell proliferation in <i>Arabidopsis thaliana</i> by microRNA miR396. Development (Cambridge), 2010, 137, 103-112.	2.5	476
48	Structure and RNA Interactions of the Plant MicroRNA Processing-Associated Protein HYL1. Biochemistry, 2010, 49, 8237-8239.	2.5	31
49	Parallel screening and optimization of protein constructs for structural studies. Protein Science, 2009, 18, 434-439.	7.6	7
50	A loop-to-base processing mechanism underlies the biogenesis of plant microRNAs miR319 and miR159. EMBO Journal, 2009, 28, 3646-3656.	7.8	191
51	Control of Jasmonate Biosynthesis and Senescence by miR319 Targets. PLoS Biology, 2008, 6, e230.	5.6	803
52	Transgenic Tobacco Plants Overexpressing Chloroplastic Ferredoxin-NADP(H) Reductase Display Normal Rates of Photosynthesis and Increased Tolerance to Oxidative Stress. Plant Physiology, 2007, 143, 639-649.	4.8	87
53	Sequence and Expression Differences Underlie Functional Specialization of Arabidopsis MicroRNAs miR159 and miR319. Developmental Cell, 2007, 13, 115-125.	7.0	399
54	MicroRNAs and the regulation of leaf shape. , 2007, , 137-154.		0

#	ARTICLE	IF	CITATIONS
55	Identification of plant microRNA homologs. Bioinformatics, 2006, 22, 359-360.	4.1	178
56	Functional Replacement of Ferredoxin by a Cyanobacterial Flavodoxin in Tobacco Confers Broad-Range Stress Tolerance. Plant Cell, 2006, 18, 2035-2050.	6.6	169
57	Specific Effects of MicroRNAs on the Plant Transcriptome. Developmental Cell, 2005, 8, 517-527.	7.0	1,345
58	Conservation and divergence of microRNA families in plants. Genome Biology, 2005, 6, P13.	9.6	66
59	Transgenic tobacco plants expressing antisense ferredoxin-NADP(H) reductase transcripts display increased susceptibility to photo-oxidative damage. Plant Journal, 2003, 35, 332-341.	5.7	60
60	Control of leaf morphogenesis by microRNAs. Nature, 2003, 425, 257-263.	27.8	1,676
61	The Flavoenzyme Ferredoxin (Flavodoxin)-NADP(H) Reductase Modulates NADP(H) Homeostasis during the soxRS Response of Escherichia coli. Journal of Bacteriology, 2002, 184, 1474-1480.	2.2	79
62	Status of antioxidant metabolites and enzymes in a catalase-deficient mutant of barley (Hordeum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	33
63	Small changes in the activity of chloroplastic NADP+-dependent ferredoxin oxidoreductase lead to impaired plant growth and restrict photosynthetic activity of transgenic tobacco plants. Plant Journal, 2002, 29, 281-293.	5.7	124
64	Changes in amino acid composition and nitrogen metabolizing enzymes in ripening fruits of Lycopersicon esculentum Mill. Plant Science, 2000, 159, 125-133.	3.6	108
65	The Role of Photosynthetic Electron Transport in the Oxidative Degradation of Chloroplastic Glutamine Synthetase. Plant Physiology, 1999, 121, 471-478.	4.8	82
66	Identification of mRNA-binding proteins during development: Characterization of Bufo arenarum cellular nucleic acid binding protein. Development Growth and Differentiation, 1999, 41, 183-191.	1.5	15