Julio Salinas

List of Publications by Year
in descending order

90 papers	7,502 citations	47006 47 h-index	54911 84 g-index
95 all docs	95 docs citations	95 times ranked	7367 citing authors

#	Article	IF	Citations
1	CBF2/DREB1C is a negative regulator of CBF1/DREB1B and CBF3/DREB1A expression and plays a central role in stress tolerance in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3985-3990.	7.1	519
2	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
3	Low Temperature Induces the Accumulation of Phenylalanine Ammonia-Lyase and Chalcone Synthase mRNAs of Arabidopsis thaliana in a Light-Dependent Manner. Plant Physiology, 1995, 108, 39-46.	4.8	387
4	Putrescine Is Involved in Arabidopsis Freezing Tolerance and Cold Acclimation by Regulating Abscisic Acid Levels in Response to Low Temperature. Plant Physiology, 2008, 148, 1094-1105.	4.8	360
5	<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
6	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
7	The CBFs: Three arabidopsis transcription factors to cold acclimate. Plant Science, 2011, 180, 3-11.	3.6	219
8	Isolation and molecular characterization of theArabidopsis TPS1gene, encoding trehaloseâ€6â€phosphate synthase. Plant Journal, 1998, 13, 685-689.	5.7	215
9	<i>Arabidopsis</i> Synaptotagmin 1 Is Required for the Maintenance of Plasma Membrane Integrity and Cell Viability. Plant Cell, 2009, 20, 3374-3388.	6.6	206
10	Different roles of flowering-time genes in the activation of floral initiation genes in Arabidopsis.. Plant Cell, 1997, 9, 1921-1934.	6.6	181
11	The <i>Arabidopsis</i> 14-3-3 Protein RARE COLD INDUCIBLE 1A Links Low-Temperature Response and Ethylene Biosynthesis to Regulate Freezing Tolerance and Cold Acclimation Â. Plant Cell, 2014, 26, 3326-3342.	6.6	178
12	14-3-3 proteins and the response to abiotic and biotic stress. Plant Molecular Biology, 2002, 50, 1031-1039.	3.9	175
13	Mutations in the Ca2+/H+ Transporter CAX1 Increase CBF/DREB1 Expression and the Cold-Acclimation Response in Arabidopsis. Plant Cell, 2003, 15, 2940-2951.	6.6	170
14	Sucrose availability on the aerial part of the plant promotes morphogenesis and flowering of Arabidopsis in the dark. Plant Journal, 1999, 20, 581-590.	5.7	168
15	Genetic and Molecular Analyses of Natural Variation Indicate CBF2 as a Candidate Gene for Underlying a Freezing Tolerance Quantitative Trait Locus in Arabidopsis. Plant Physiology, 2005, 139, 1304-1312.	4.8	149
16	Compositional compartmentalization and compositional patterns in the nuclear genomes of plants. Nucleic Acids Research, 1988, 16, 4269-4285.	14.5	140
17	Integration of polyamines in the cold acclimation response. Plant Science, 2011, 180, 31-38.	3.6	140
18	Stress-responsive zinc finger geneZPT2-3plays a role in drought tolerance in petunia. Plant Journal, 2003, 36, 830-841.	5.7	137

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19	A novel cold-inducible gene from Arabidopsis , RCI3 , encodes a peroxidase that constitutes a component for stress tolerance. Plant Journal, 2002, 32, 13-24.	5.7	121
20	Expression of Immunogenic Glycoprotein S Polypeptides from Transmissible Gastroenteritis Coronavirus in Transgenic Plants. Virology, 1998, 249, 352-358.	2.4	116
21	Two related low-temperature-inducible genes of Arabidopsis encode proteins showing high homology to 14-3-3 proteins, a family of putative kinase regulators. Plant Molecular Biology, 1994, 25, 693-704.	3.9	110
22	Tomato Flower Abnormalities Induced by Low Temperatures Are Associated with Changes of Expression of MADS-Box Genes1. Plant Physiology, 1998, 117, 91-100.	4.8	108
23	Low Temperature Induces the Accumulation of Alcohol Dehydrogenase mRNA in Arabidopsis thaliana, a Chilling-Tolerant Plant. Plant Physiology, 1993, 101, 833-837.	4.8	102
24	Two Homologous Low-Temperature-Inducible Genes from Arabidopsis Encode Highly Hydrophobic Proteins. Plant Physiology, 1997, 115, 569-576.	4.8	100
25	LSM Proteins Provide Accurate Splicing and Decay of Selected Transcripts to Ensure Normal<i>Arabidopsis</i>Development. Plant Cell, 2013, 24, 4930-4947.	6.6	97
26	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
27	Tomato plants increase their tolerance to low temperature in a chilling acclimation process entailing comprehensive transcriptional and metabolic adjustments. Plant, Cell and Environment, 2016, 39, 2303-2318.	5.7	91
28	NPR1 mediates a novel regulatory pathway in cold acclimation by interacting with HSFA1 factors. Nature Plants, 2018, 4, 811-823.	9.3	80
29	Gene distribution and nucleotide sequence organization in the human genome. FEBS Journal, 1986, 160, 479-485.	0.2	78
30	The isochore organization and the compositional distribution of homologous coding sequences inthe nuclear genome of plants. Nucleic Acids Research, 1989, 17, 5273-5290.	14.5	77
31	Gene distribution and isochore organization in the nuclear genome of plants. Nucleic Acids Research, 1990, 18, 1859-1867.	14.5	75
32	Arabidopsis late-flowering fve mutants are affected in both vegetative and reproductive development. Plant Journal, 1995, 7, 543-551.	5.7	74
33	Two New Alleles of the abscisic aldehyde oxidase 3 Gene Reveal Its Role in Abscisic Acid Biosynthesis in Seeds. Plant Physiology, 2004, 135, 325-333.	4.8	72
34	Post-translational regulation of cold acclimation response. Plant Science, 2013, 205-206, 48-54.	3.6	72
35	early bolting in short days: An Arabidopsis Mutation That Causes Early Flowering and Partially Suppresses the Floral Phenotype of leafy. Plant Cell, 2001, 13, 1011-1024.	6.6	71
36	Gene distribution and nucleotide sequence organization in the mouse genome. FEBS Journal, 1986, 160, 469-478.	0.2	70

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37	Prefoldins 3 and 5 Play an Essential Role in Arabidopsis Tolerance to Salt Stress. Molecular Plant, 2009, 2, 526-534.	8.3	70
38	Phylogenetic and functional analysis of Arabidopsis RCI2 genes. Journal of Experimental Botany, 2007, 58, 4333-4346.	4.8	68
39	A Homeodomain Leucine Zipper Gene from Craterostigma plantagineum Regulates Abscisic Acid Responsive Gene Expression and Physiological Responses. Plant Molecular Biology, 2006, 61, 469-489.	3.9	67
40	High-yield expression of a viral peptide vaccine in transgenic plants. FEBS Letters, 2001, 488, 13-17.	2.8	66
41	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
42	Putrescine as a signal to modulate the indispensable ABA increase under cold stress. Plant Signaling and Behavior, 2009, 4, 219-220.	2.4	61
43	A freezing-sensitive mutant of Arabidopsis , frs1 , is a new aba3 allele. Planta, 2000, 211, 648-655.	3.2	60
44	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
45	Nitric Oxide Controls Constitutive Freezing Tolerance in Arabidopsis by Attenuating the Levels of Osmoprotectants, Stress-Related Hormones and Anthocyanins. Scientific Reports, 2018, 8, 9268.	3.3	53
46	<i>AtREM1</i>, a Member of a New Family of B3 Domain-Containing Genes, Is Preferentially Expressed in Reproductive Meristems. Plant Physiology, 2002, 128, 418-427.	4.8	52
47	The distribution of 5-methylcytosine in the nuclear genome of plants. Nucleic Acids Research, 1992, 20, 3207-3210.	14.5	49
48	CBFs at the Crossroads of Plant Hormone Signaling in Cold Stress Response. Molecular Plant, 2017, 10, 542-544.	8.3	49
49	The SlCBL10 Calcineurin B-Like Protein Ensures Plant Growth under Salt Stress by Regulating Na⁺ and Ca²⁺ Homeostasis. Plant Physiology, 2018, 176, 1676-1693.	4.8	45
50	Arabidopsis SME1 Regulates Plant Development and Response to Abiotic Stress by Determining Spliceosome Activity Specificity. Plant Cell, 2019, 31, 537-554.	6.6	42
51	Synaptotagmins at the endoplasmic reticulumâ€“plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. Plant Cell, 2021, 33, 2431-2453.	6.6	41
52	Genomic localization of hepatitis B virus in a human hepatoma cell line. Nucleic Acids Research, 1986, 14, 8373-8386.	14.5	40
53	Environment-dependent regulation of spliceosome activity by the LSM2-8 complex in Arabidopsis. Nucleic Acids Research, 2017, 45, 7416-7431.	14.5	36
54	AtGRDP1 Gene Encoding a Glycine-Rich Domain Protein Is Involved in Germination and Responds to ABA Signalling. Plant Molecular Biology Reporter, 2014, 32, 1187-1202.	1.8	33

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55	Nonrandom distribution of MMTV proviral sequences in the mouse genome. Nucleic Acids Research, 1987, 15, 3009-3022.	14.5	30
56	Low temperature regulates Arabidopsis Lhcb gene expression in a light-independent manner. Plant Journal, 1998, 13, 411-418.	5.7	30
57	Prefoldins Negatively Regulate Cold Acclimation in Arabidopsis thaliana by Promoting Nuclear Proteasome-Mediated HY5 Degradation. Molecular Plant, 2017, 10, 791-804.	8.3	30
58	Dimerization of Arabidopsis 14-3-3 proteins: structural requirements within the N-terminal domain and effect of calcium. FEBS Letters, 1999, 462, 377-382.	2.8	29
59	Arabidopsis mutants deregulated in RCI2A expression reveal new signaling pathways in abiotic stress responses. Plant Journal, 2005, 42, 586-597.	5.7	29
60	Identification of SUMO Targets by a Novel Proteomic Approach in Plants^F. Journal of Integrative Plant Biology, 2013, 55, 96-107.	8.5	29
61	Non-random distribution of transposable elements in the nuclear genome of plants. Nucleic Acids Research, 1993, 21, 2369-2373.	14.5	26
62	Two Distinct Compositional Classes of Vertebrate Gene-Bearing DNA Stretches, Their Structures and Possible Evolutionary Origin. DNA and Cell Biology, 1987, 6, 109-118.	5.2	25
63	Gene Regulatory Networks Mediating Cold Acclimation: The CBF Pathway. Advances in Experimental Medicine and Biology, 2018, 1081, 3-22.	1.6	25
64	Esterase isozymes in rye ? characterization, genetic control and chromosomal location. Theoretical and Applied Genetics, 1985, 71, 136-140.	3.6	24
65	The Arabidopsis ethylene overproducer mutant<i>eto1-3</i>displays enhanced freezing tolerance. Plant Signaling and Behavior, 2015, 10, e989768.	2.4	23
66	The chromosomal location of malate dehydrogenase isozymes in hexaploid wheat (Triticum aestivum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	22
67	Chromosome localization-dependent compositional bias of point mutations in Alu repetitive sequences. Journal of Molecular Biology, 1989, 206, 563-566.	4.2	20
68	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
69	Redox feedback regulation of ANAC089 signaling alters seed germination and stress response. Cell Reports, 2021, 35, 109263.	6.4	20
70	Chromosomal location of genes controlling 6-phosphogluconate dehydrogenase, glucose-6-phosphate dehydrogenase and glutamate dehydrogenase isozymes in cultivated rye. Euphytica, 1983, 32, 783-790.	1.2	19
71	Chromosomal location of isozyme markers in wheat-barley addition lines. Theoretical and Applied Genetics, 1985, 70, 192-198.	3.6	18
72	Identification of genes specifically expressed in cauliflower reproductive meristems. Molecular characterization of BoREM1. Plant Molecular Biology, 1999, 39, 427-436.	3.9	16

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73	Identification of hexaploid wheat cultivars based on isozyme patterns. Journal of the Science of Food and Agriculture, 1982, 33, 221-226.	3.5	15
74	Nitric oxide deficiency decreases C-repeat binding factor-dependent and -independent induction of cold acclimation. Journal of Experimental Botany, 2019, 70, 3283-3296.	4.8	15
75	Trimethylamine <i>N</i> -oxide is a new plant molecule that promotes abiotic stress tolerance. Science Advances, 2021, 7, .	10.3	12
76	Molecular responses to extreme temperatures. , 2012, , 287-307.		10
77	Emerging Roles of LSM Complexes in Posttranscriptional Regulation of Plant Response to Abiotic Stress. Frontiers in Plant Science, 2019, 10, 167.	3.6	10
78	A genetic approach reveals different modes of action of prefoldins. Plant Physiology, 2021, 187, 1534-1550.	4.8	10
79	The chromosomal location of phosphatase isozymes of the wheat endosperm. Experientia, 1981, 37, 557-559.	1.2	9
80	Different Roles of Flowering-Time Genes in the Activation of Floral Initiation Genes in Arabidopsis. Plant Cell, 1997, 9, 1921.	6.6	9
81	Genetic interactions that promote the floral transition inArabidopsis. Seminars in Cell and Developmental Biology, 1996, 7, 401-407.	5.0	7
82	A MRG-operated chromatin switch at SOC1 attenuates abiotic stress responses during the floral transition. Plant Physiology, 2021, 187, 462-471.	4.8	6
83	Ca2+-binding allergens from olive pollen exhibit biochemical and immunological activity when expressed in stable transgenic Arabidopsis. FEBS Journal, 2006, 273, 4425-4434.	4.7	5
84	Temperature-perception, molecules and mechanisms. Journal of Applied Biomedicine, 2010, 8, 189-198.	1.7	5
85	Chromosomal location of Î±-amylase structural genes in rye (Secale cereale L.). Experientia, 1985, 41, 1180-1181.	1.2	4
86	The chromosomal location of the embryo plus scutellum alcohol dehydrogenase isozymes in the hexaploid wheat kernel. Euphytica, 1981, 30, 729-734.	1.2	3
87	Tailoring crop nutrition to fight weeds. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7456-7458.	7.1	3
88	NATO-ASI course on plant molecular biology. Plant Molecular Biology Reporter, 1993, 11, 350-358.	1.8	0
89	Identification of Arabidopsis Mutants with Altered Freezing Tolerance. Methods in Molecular Biology, 2014, 1166, 79-89.	0.9	0
90	Identification of Arabidopsis Mutants with Altered Freezing. Methods in Molecular Biology, 2020, 2156, 85-97.	0.9	0