Charles Gasser

List of Publications by Year
in descending order

44	3,008	27	42
papers	citations	h-index	g-index
		201575	265120

44	44	44	2704
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	INNER NO OUTER regulates abaxial- adaxial patterning in Arabidopsis ovules. Genes and Development, 1999, 13, 3160-3169.	2.7	292
2	Growth and development: a broad view of fine detail. Current Opinion in Plant Biology, 2009, 12, 1-3.	3.5	188
3	Two Classes of Plant cDNA Clones Differentially Complement Yeast Calcineurin Mutants and Increase Salt Tolerance of Wild-type Yeast. Journal of Biological Chemistry, 1996, 271, 12859-12866.	1.6	181
4	Structure and expression of cytosolic cyclophilin/peptidyl-prolyl cis-trans isomerase of higher plants and production of active tomato cyclophilin in Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9519-9523.	3.3	159
5	ABERRANT TESTA SHAPE encodes a KANADI family member, linking polarity determination to separation and growth of Arabidopsis ovule integuments. Plant Journal, 2006, 46, 522-531.	2.8	154
6	Cloning of an Arabidopsis thaliana gene encoding 5-enolpyruvylshikimate-3-phosphate synthase: sequence analysis and manipulation to obtain glyphosate-tolerant plants. Molecular Genetics and Genomics, 1987, 210, 437-442.	2.4	150
7	Arabidopsis floral homeotic gene BELL (BEL1) controls ovule development through negative regulation of AGAMOUS gene (AG).. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5761-5765.	3.3	131
8	Ancestral expression patterns and evolutionary diversification of YABBY genes in angiosperms. Plant Journal, 2011, 67, 26-36.	2.8	123
9	Characterization of the cyclophilin gene family of Arabidopsis thaliana and phylogenetic analysis of known cyclophilin proteins. , 1997, 35, 873-892.		122
10	Definition and interactions of a positive regulatory element of the Arabidopsis INNER NO OUTER promoter. Plant Journal, 2004, 37, 426-438.	2.8	102
11	Roles of polarity determinants in ovule development. Plant Journal, 2009, 57, 1054-1064.	2.8	95
12	Transgenic Crops. Scientific American, 1992, 266, 62-69.	1.0	93
13	Nature and regulation of pistil-expressed genes in tomato. Plant Molecular Biology, 1995, 28, 691-711.	2.0	85
14	The inhibition of petunia hsp70 mRNA processing during CdCl2 stress. Molecular Genetics and Genomics, 1988, 211, 315-319.	2.4	77
15	Glyphosate as a selective agent for the production of fertile transgenic maize (Zea mays L.) plants. Molecular Breeding, 2002, 10, 153-164.	1.0	73
16	Gene regulation in parthenocarpic tomato fruit. Journal of Experimental Botany, 2009, 60, 3873-3890.	2.4	73
17	Overlapping and antagonistic activities of <i>BASIC PENTACYSTEINE</i> genes affect a range of developmental processes in Arabidopsis. Plant Journal, 2011, 66, 1020-1031.	2.8	72
18	Ovule development: genetic trends and evolutionary considerations. Sexual Plant Reproduction, 2009, 22, 229-234.	2.2	68

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19	Seedless fruits and the disruption of a conserved genetic pathway in angiosperm ovule development. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5461-5465.	3.3	62
20	Regulation of a stylar transmitting tissue-specific gene in wild-type and transgenic tomato and tobacco. Molecular Genetics and Genomics, 1990, 224, 183-192.	2.4	59
21	Identificaton and characterization of stamen- and tapetum-specific genes from tomato. Molecular Genetics and Genomics, 1990, 222, 9-16.	2.4	59
22	Recent progress in reconstructing angiosperm phylogeny. Trends in Plant Science, 2000, 5, 330-336.	4.3	59
23	Arabidopsis TSO1 Regulates Directional Processes in Cells During Floral Organogenesis. Genetics, 1998, 150, 411-423.	1.2	55
24	An endochitinase gene expressed at high levels in the stylar transmitting tissue of tomatoes. Plant Molecular Biology, 1996, 30, 899-911.	2.0	52
25	Mechanisms of Derived Unitegmy among Impatiens Species. Plant Cell, 2005, 17, 1674-1684.	3.1	48
26	Molecular Studies on the Differentiation of Floral Organs. Annual Review of Plant Biology, 1991, 42, 621-649.	14.2	43
27	Development and evolution of the unique ovules of flowering plants. Current Topics in Developmental Biology, 2019, 131, 373-399.	1.0	42
28	<i>SHORT INTEGUMENTS 2</i> Promotes Growth During Arabidopsis Reproductive Development. Genetics, 2000, 155, 899-907.	1.2	40
29	Integument Development in <i>Arabidopsis</i> Depends on Interaction of YABBY Protein INNER NO OUTER with Coactivators and Corepressors. Genetics, 2017, 207, 1489-1500.	1.2	31
30	Multiple Protein Regions Contribute to Differential Activities of YABBY Proteins inReproductive Development. Plant Physiology, 2005, 137, 651-662.	2.3	29
31	Expression of ovule and integumentâ€associated genes in reduced ovules of Santalales. Evolution & Development, 2010, 12, 231-240.	1.1	28
32	Conservation of the role of INNER NO OUTER in development of unitegmic ovules of the Solanaceae despite a divergence in protein function. BMC Plant Biology, 2016, 16, 143.	1.6	27
33	Pistil Development. Plant Cell, 1993, 5, 1231.	3.1	24
34	Isolation of Tissue-Specific cDNAs from Tomato Pistils. Plant Cell, 1989, 1, 15.	3.1	23
35	Arabidopsis SHORT INTEGUMENTS 2 Is a Mitochondrial DAR GTPase. Genetics, 2006, 174, 707-718.	1.2	22
36	DNA Sequences That Activate Isocitrate Lyase Gene Expression during Late Embryogenesis and during Postgerminative Growth. Plant Physiology, 1996, 110, 1069-1079.	2.3	16

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37	ABrassica napusgene encoding 5-enolpyruvylshikimate-3-phosphate synthase. Nucleic Acids Research, 1990, 18, 2821-2821.	6.5	15
38	Independence and Interaction of Regions of the INNER NO OUTER Protein in Growth Control during Ovule Development Â Â. Plant Physiology, 2008, 147, 306-315.	2.3	14
39	Seed Dispersal: Same Gene, Different Organs. Current Biology, 2011, 21, R546-R548.	1.8	7
40	Fruit development: miRNA pumps up the volume. Nature Plants, 2015, 1, 15037.	4.7	6
41	Homeodomains ring a in plant development. Trends in Plant Science, 1996, 1, 134-136.	4.3	3
42	Arabidopsis in Australia: back to the future. Trends in Plant Science, 1999, 4, 381-382.	4.3	3
43	Possible Roles of<i>BELL</i>1 and Class III Homeodomain-Leucine Zipper Genes during Integument Evolution. International Journal of Plant Sciences, 2019, 180, 623-631.	0.6	3
44	Novel structure of a high molecular weight FK506 binding protein from. Molecular Genetics and Genomics, 1996, 252, 510.	2.4	0