Elizabeth S Dennis

List of Publications by Year
in descending order

306 papers	33,976 citations	2203 99 h-index	4323 173 g-index
311 all docs	311 docs citations	311 times ranked	18207 citing authors

#	Article	IF	Citations
1	Sequencing of allotetraploid cotton (Gossypium hirsutum L. acc. TM-1) provides a resource for fiber improvement. Nature Biotechnology, 2015, 33, 531-537.	9.4	1,560
2	Repeated polyploidization of Gossypium genomes and the evolution of spinnable cotton fibres. Nature, 2012, 492, 423-427.	13.7	1,204
3	The FLF MADS Box Gene: A Repressor of Flowering in Arabidopsis Regulated by Vernalization and Methylation. Plant Cell, 1999, 11, 445-458.	3.1	905
4	Reduced DNA methylation in Arabidopsis thaliana results in abnormal plant development.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8449-8454.	3.3	703
5	The Arabidopsis FLC protein interacts directlyin vivowithSOC1andFTchromatin and is part of a high-molecular-weight protein complex. Plant Journal, 2006, 46, 183-192.	2.8	502
6	Fertilization-independent seed development in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 4223-4228.	3.3	487
7	MINISEED3 (MINI3), a WRKY family gene, and HAIKU2 (IKU2), a leucine-rich repeat (LRR) KINASE gene, are regulators of seed size in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17531-17536.	3.3	476
8	Genes controlling fertilization-independent seed development in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 296-301.	3.3	436
9	Expression and parent-of-origin effects for FIS2, MEA, and FIE in the endosperm and embryo of developing Arabidopsis seeds. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 10637-10642.	3.3	413
10	MADS box genes control vernalization-induced flowering in cereals. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13099-13104.	3.3	409
11	Toward Sequencing Cotton (<i>Gossypium</i>) Genomes: Figure 1.. Plant Physiology, 2007, 145, 1303-1310.	2.3	390
12	HKT1;5-Like Cation Transporters Linked to Na+ Exclusion Loci in Wheat, Nax2 and Kna1. Plant Physiology, 2007, 143, 1918-1928.	2.3	378
13	The molecular basis of vernalization: the central role of FLOWERING LOCUS C (FLC). Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3753-8.	3.3	366
14	Expression Profile Analysis of the Low-Oxygen Response in Arabidopsis Root Cultures[W]. Plant Cell, 2002, 14, 2481-2494.	3.1	362
15	Molecular analysis of the alcohol dehydrogenase (Adhl) gene of maize. Nucleic Acids Research, 1984, 12, 3983-4000.	6.5	353
16	The molecular basis of vernalization-induced flowering in cereals. Trends in Plant Science, 2007, 12, 352-357.	4.3	340
17	Chitinase, beta-1,3-glucanase, osmotin, and extensin are expressed in tobacco explants during flower formation.. Plant Cell, 1990, 2, 673-684.	3.1	338
18	The Arabidopsis thaliana vernalization response requires a polycomb-like protein complex that also includes VERNALIZATION INSENSITIVE 3. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14631-14636.	3.3	335

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19	Nomenclature for HKT transporters, key determinants of plant salinity tolerance. Trends in Plant Science, 2006, 11, 372-374.	4.3	329
20	FLOWERING LOCUS C (FLC) regulates development pathways throughout the life cycle of <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6680-6685.	3.3	325
21	amp1 - a mutant with high cytokinin levels and altered embryonic pattern, faster vegetative growth, constitutive photomorphogenesis and precocious flowering. Plant Journal, 1993, 4, 907-916.	2.8	316
22	Molecular and chromosomal organization of DNA sequences coding for the ribosomal RNAs in cereals. Chromosoma, 1980, 78, 293-311.	1.0	315
23	Changes in 24-nt siRNA levels in Arabidopsis hybrids suggest an epigenetic contribution to hybrid vigor. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2617-2622.	3.3	310
24	Cold-induced repression of the rice anther-specific cell wall invertase gene OSINV4 is correlated with sucrose accumulation and pollen sterility. Plant, Cell and Environment, 2005, 28, 1534-1551.	2.8	309
25	Highly repeated DNA sequence limited to knob heterochromatin in maize. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 4490-4494.	3.3	302
26	DNA methylation, vernalization, and the initiation of flowering.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 287-291.	3.3	301
27	The MYB transcription factor GhMYB25 regulates early fibre and trichome development. Plant Journal, 2009, 59, 52-62.	2.8	297
28	Arabidopsis<i>RAP2.2</i>: An Ethylene Response Transcription Factor That Is Important for Hypoxia Survival Â Â. Plant Physiology, 2010, 153, 757-772.	2.3	293
29	<i>GAMYB-like</i> Genes, Flowering, and Gibberellin Signaling in Arabidopsis. Plant Physiology, 2001, 127, 1682-1693.	2.3	291
30	Differential Interactions of Promoter Elements in Stress Responses of the Arabidopsis Adh Gene. Plant Physiology, 1994, 105, 1075-1087.	2.3	286
31	On the role of RNA silencing in the pathogenicity and evolution of viroids and viral satellites. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3275-3280.	3.3	273
32	The transcription factor ATAF2 represses the expression of pathogenesis-related genes in Arabidopsis. Plant Journal, 2005, 43, 745-757.	2.8	273
33	ABA Regulates Apoplastic Sugar Transport and is a Potential Signal for Cold-Induced Pollen Sterility in Rice. Plant and Cell Physiology, 2007, 48, 1319-1330.	1.5	271
34	A Sodium Transporter (HKT7) Is a Candidate for Nax1, a Gene for Salt Tolerance in Durum Wheat. Plant Physiology, 2006, 142, 1718-1727.	2.3	266
35	Molecular analysis of the alcohol dehydrogenase 2 (Adh2) gene of maize. Nucleic Acids Research, 1985, 13, 727-743.	6.5	262
36	Isolation and identification by sequence homology of a putative cytosine methyltransferase fromArabidopsis thaliana. Nucleic Acids Research, 1993, 21, 2383-2388.	6.5	258

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37	Two hemoglobin genes in Arabidopsis thaliana: The evolutionary origins of leghemoglobins. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12230-12234.	3.3	253
38	The molecular biology of seasonal flowering-responses in Arabidopsis and the cereals. Annals of Botany, 2009, 103, 1165-1172.	1.4	245
39	Different Regulatory Regions Are Required for the Vernalization-Induced Repression of FLOWERING LOCUS C and for the Epigenetic Maintenance of Repression. Plant Cell, 2002, 14, 2527-2537.	3.1	243
40	Enhanced Low Oxygen Survival in Arabidopsis through Increased Metabolic Flux in the Fermentative Pathway. Plant Physiology, 2003, 132, 1292-1302.	2.3	243
41	DNA demethylases target promoter transposable elements to positively regulate stress responsive genes in Arabidopsis. Genome Biology, 2014, 15, 458.	3.8	243
42	DNA methylation, a key regulator of plant development and other processes. Current Opinion in Genetics and Development, 2000, 10, 217-223.	1.5	240
43	GhMYB25â€like: a key factor in early cotton fibre development. Plant Journal, 2011, 65, 785-797.	2.8	229
44	The VQ motif protein IKU1 regulates endosperm growth and seed size in Arabidopsis. Plant Journal, 2010, 63, 670-679.	2.8	224
45	DNA sequences required for anaerobic expression of the maize alcohol dehydrogenase 1 gene. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 6624-6628.	3.3	221
46	Vernalization-Induced Trimethylation of Histone H3 Lysine 27 at FLC Is Not Maintained in Mitotically Quiescent Cells. Current Biology, 2007, 17, 1978-1983.	1.8	221
47	Low-Temperature and Daylength Cues Are Integrated to Regulate <i>FLOWERING LOCUS T</i> in Barley Â Â Â. Plant Physiology, 2008, 147, 355-366.	2.3	212
48	HvVRN2 Responds to Daylength, whereas HvVRN1 Is Regulated by Vernalization and Developmental Status. Plant Physiology, 2006, 140, 1397-1405.	2.3	209
49	Vernalization-induced flowering in cereals is associated with changes in histone methylation at the <i>VERNALIZATION1</i> gene. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8386-8391.	3.3	208
50	Cloning of the Arabidopsis ent-kaurene oxidase gene GA3. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9019-9024.	3.3	205
51	DNA methylation and the promotion of flowering by vernalization. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5824-5829.	3.3	205
52	Mitochondrial DNA sequences in ancient Australians: Implications for modern human origins. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 537-542.	3.3	204
53	Trans Chromosomal Methylation in <i>Arabidopsis</i> hybrids. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3570-3575.	3.3	202
54	Functioning haemoglobin genes in non-nodulating plants. Nature, 1988, 331, 178-180.	13.7	200

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55	Control of flowering time by FLC orthologues in Brassica napus. Plant Journal, 2001, 28, 545-553.	2.8	197
56	Expression, Imprinting, and Evolution of Rice Homologs of the Polycomb Group Genes. Molecular Plant, 2009, 2, 711-723.	3.9	193
57	Arabidopsis Roots and Shoots Have Different Mechanisms for Hypoxic Stress Tolerance. Plant Physiology, 1999, 119, 57-64.	2.3	190
58	pEmu: an improved promoter for gene expression in cereal cells. Theoretical and Applied Genetics, 1991, 81, 581-588.	1.8	188
59	Resetting of <i>FLOWERING LOCUS C</i> expression after epigenetic repression by vernalization. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2214-2219.	3.3	187
60	Evidence for a Role for AtMYB2 in the Induction of the Arabidopsis Alcohol Dehydrogenase Gene (ADH1) by Low Oxygen. Genetics, 1998, 149, 479-490.	1.2	186
61	Abscisic Acid Induces the Alcohol Dehydrogenase Gene in Arabidopsis. Plant Physiology, 1996, 111, 381-391.	2.3	184
62	Control of Early Seed Development. Annual Review of Cell and Developmental Biology, 2001, 17, 677-699.	4.0	184
63	Hypoxia-responsive microRNAs and trans-acting small interfering RNAs in Arabidopsis. Journal of Experimental Botany, 2010, 61, 165-177.	2.4	184
64	Arabidopsis ent-Kaurene Oxidase Catalyzes Three Steps of Gibberellin Biosynthesis. Plant Physiology, 1999, 119, 507-510.	2.3	182
65	A hemoglobin from plants homologous to truncated hemoglobins of microorganisms. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10119-10124.	3.3	182
66	Global Gene Expression Responses to Waterlogging in Roots and Leaves of Cotton (Gossypium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.5	177
67	Transposase activity of the Ac controlling element in maize is regulated by its degree of methylation. Molecular Genetics and Genomics, 1986, 205, 476-482.	2.4	175
68	Short Vegetative Phase-Like MADS-Box Genes Inhibit Floral Meristem Identity in Barley. Plant Physiology, 2007, 143, 225-235.	2.3	174
69	Epigenetic regulation of flowering. Current Opinion in Plant Biology, 2007, 10, 520-527.	3.5	172
70	Increased level of hemoglobin 1 enhances survival of hypoxic stress and promotes early growth in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 17197-17202.	3.3	170
71	Expression Profiling Identifies Genes Expressed Early During Lint Fibre Initiation in Cotton. Plant and Cell Physiology, 2006, 47, 107-127.	1.5	165
72	The CYP88A cytochrome P450, ent-kaurenoic acid oxidase, catalyzes three steps of the gibberellin biosynthesis pathway. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2065-70.	3.3	164

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73	Heterosis of <i>Arabidopsis</i> hybrids between C24 and Col is associated with increased photosynthesis capacity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7109-7114.	3.3	161
74	A new hemoglobin gene from soybean: a role for hemoglobin in all plants.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5682-5687.	3.3	152
75	The ANTHER INDEHISCENCE1 Gene Encoding a Single MYB Domain Protein Is Involved in Anther Development in Rice. Plant Physiology, 2004, 135, 1514-1525.	2.3	152
76	The Arabidopsis <i>AMP1</i> Gene Encodes a Putative Glutamate Carboxypeptidase. Plant Cell, 2001, 13, 2115-2125.	3.1	146
77	cDNA cloning and induction of the alcohol dehydrogenase gene (Adh1) of maize. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 2981-2985.	3.3	145
78	A plastid envelope location of Arabidopsis ent-kaurene oxidase links the plastid and endoplasmic reticulum steps of the gibberellin biosynthesis pathway. Plant Journal, 2001, 28, 201-208.	2.8	143
79	The Low-Oxygen-Induced NAC Domain Transcription Factor <i>ANAC102</i> Affects Viability of Arabidopsis Seeds following Low-Oxygen Treatment Â Â. Plant Physiology, 2009, 149, 1724-1738.	2.3	141
80	Expression and evolution of functionally distinct haemoglobin genes in plants. Plant Molecular Biology, 2001, 47, 677-692.	2.0	139
81	A global assembly of cotton ESTs. Genome Research, 2006, 16, 441-450.	2.4	138
82	The role of epigenetics in hybrid vigour. Trends in Genetics, 2013, 29, 684-690.	2.9	137
83	OCSBF-1, a maize ocs enhancer binding factor: isolation and expression during development.. Plant Cell, 1990, 2, 891-903.	3.1	136
84	The control of flowering by vernalization. Current Opinion in Plant Biology, 2000, 3, 418-422.	3.5	126
85	The downregulation of FLOWERING LOCUS C (FLC) expression in plants with low levels of DNA methylation and by vernalization occurs by distinct mechanisms. Plant Journal, 2005, 44, 420-432.	2.8	125
86	Epidermal cell differentiation in cotton mediated by the homeodomain leucine zipper gene, <i>GhHDâ€1</i>. Plant Journal, 2012, 71, 464-478.	2.8	125
87	Common evolutionary origin of legume and non-legume plant haemoglobins. Nature, 1986, 324, 166-168.	13.7	124
88	Cloning and characterization ofMS5fromArabidopsis: a gene critical in male meiosis. Plant Journal, 1998, 15, 345-356.	2.8	121
89	Vernalization-Repression of Arabidopsis FLC Requires Promoter Sequences but Not Antisense Transcripts. PLoS ONE, 2011, 6, e21513.	1.1	121
90	Identical polypyrimidine-polypurine satellite DNAs in wheat and barley. Heredity, 1980, 44, 349-366.	1.2	120

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91	Two repeated DNA sequences from the heterochromatic regions of rye (Secale cereale) chromosomes. Chromosoma, 1981, 84, 265-277.	1.0	120
92	Spatial and temporal analysis of the local response to wounding. Plant Molecular Biology, 2004, 55, 165-181.	2.0	120
93	Review: Correlations between oxygen affinity and sequence classifications of plant hemoglobins. Biopolymers, 2009, 91, 1083-1096.	1.2	120
94	Transcript Profiling During Fiber Development Identifies Pathways in Secondary Metabolism and Cell Wall Structure That May Contribute to Cotton Fiber Quality. Plant and Cell Physiology, 2009, 50, 1364-1381.	1.5	120
95	Characterization of the defense transcriptome responsive to Fusarium oxysporum-infection in Arabidopsis using RNA-seq. Gene, 2013, 512, 259-266.	1.0	120
96	FLC, a repressor of flowering, is regulated by genes in different inductive pathways. Plant Journal, 2002, 29, 183-191.	2.8	116
97	Hormone-regulated defense and stress response networks contribute to heterosis in<i>Arabidopsis</i>F1 hybrids. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6397-406.	3.3	110
98	Recent research on the mechanism of heterosis is important for crop and vegetable breeding systems. Breeding Science, 2018, 68, 145-158.	0.9	110
99	Isolation and molecular analysis of the maize P locus. Molecular Genetics and Genomics, 1989, 219, 225-234.	2.4	109
100	The influence of vernalization and daylength on expression of flowering-time genes in the shoot apex and leaves of barley (Hordeum vulgare).. Journal of Experimental Botany, 2009, 60, 2169-2178.	2.4	107
101	A role for haemoglobin in all plant roots?. Plant, Cell and Environment, 1988, 11, 359-367.	2.8	105
102	Genetic and physical mapping of flowering time loci in canola (Brassica napus L.). Theoretical and Applied Genetics, 2013, 126, 119-132.	1.8	105
103	Regions associated with repression of the barley (Hordeum vulgare) VERNALIZATION1 gene are not required for cold induction. Molecular Genetics and Genomics, 2009, 282, 107-117.	1.0	103
104	Knob heterochromatin homology in maize and its relatives. Journal of Molecular Evolution, 1984, 20, 341-350.	0.8	102
105	Epigenetic Changes in Hybrids. Plant Physiology, 2015, 168, 1197-1205.	2.3	102
106	Eucalyptus has a functional equivalent of the Arabidopsis floral meristem identity gene LEAFY. Plant Molecular Biology, 1998, 37, 897-910.	2.0	100
107	Molecular analysis of a somaclonal mutant of maize alcohol dehydrogenase. Molecular Genetics and Genomics, 1986, 202, 235-239.	2.4	98
108	Quantitative effects of vernalization onFLCandSOC1expression. Plant Journal, 2006, 45, 871-883.	2.8	98

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109	The Arabidopsis AMP1 Gene Encodes a Putative Glutamate Carboxypeptidase. Plant Cell, 2001, 13, 2115-2125.	3.1	98
110	Arabidopsis Polycomb Repressive Complex 2 binding sites contain putative GAGA factor binding motifs within coding regions of genes. BMC Genomics, 2013, 14, 593.	1.2	94
111	Structure and expression of an alcohol dehydrogenase 1 gene from Pisum sativum (cv. â€œGreenfeastâ€). Journal of Molecular Biology, 1987, 195, 115-123.	2.0	93
112	Title is missing!. Molecular Breeding, 1997, 3, 371-380.	1.0	93
113	Functional properties of the anaerobic responsive element of the maize Adh1 gene. Plant Molecular Biology, 1990, 15, 593-604.	2.0	91
114	Enhancement of Submergence Tolerance in Transgenic Rice Overproducing Pyruvate Decarboxylase. Journal of Plant Physiology, 2000, 156, 516-521.	1.6	90
115	Increased endogenous cytokinin in the Arabidopsis amp1 mutant corresponds with de-etiolation responses. Planta, 1996, 198, 549-556.	1.6	89
116	<i>ODDSOC2</i> Is a MADS Box Floral Repressor That Is Down-Regulated by Vernalization in Temperate Cereals Â Â. Plant Physiology, 2010, 153, 1062-1073.	2.3	88
117	Eucalyptus has functional equivalents of the Arabidopsis AP1 gene. Plant Molecular Biology, 1997, 35, 573-584.	2.0	87
118	Regeneration and transformation of Eucalyptus camaldulensis. Plant Cell Reports, 1997, 16, 787-791.	2.8	85
119	The anaerobic responsive element contains two GC-rich sequences essential for binding a nuclear protien and hypoxic activation of the maizeAdh1promoter. Nucleic Acids Research, 1991, 19, 7053-7060.	6.5	84
120	Regulated expression of an alcohol dehydrogenase 1 chimeric gene introduced into maize protoplasts. Planta, 1987, 170, 535-540.	1.6	83
121	Genes conferring late flowering inArabidopsis thaliana. Genetica, 1993, 90, 147-155.	0.5	83
122	The Cytotoxic Plant Protein, Î²-Purothionin, Forms Ion Channels in Lipid Membranes. Journal of Biological Chemistry, 2000, 275, 823-827.	1.6	83
123	Reciprocal control of flowering time by OsSOC1 in transgenic Arabidopsis and by FLC in transgenic rice. Plant Biotechnology Journal, 2003, 1, 361-369.	4.1	81
124	Highly repeated DNA in Drosophila melanogaster. Journal of Molecular Biology, 1977, 112, 31-47.	2.0	80
125	ATAF NAC transcription factors: Regulators of plant stress signaling. Plant Signaling and Behavior, 2010, 5, 428-432.	1.2	80
126	Reactivation of a silent Ac following tissue culture is associated with heritable alterations in its methylation pattern. Molecular Genetics and Genomics, 1991, 229, 365-372.	2.4	78

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127	Intraspecific Arabidopsis Hybrids Show Different Patterns of Heterosis Despite the Close Relatedness of the Parental Genomes Â Â. Plant Physiology, 2014, 166, 265-280.	2.3	77
128	Genetic control of male fertility in Arabidopsis thaliana : structural analyses of postmeiotic developmental mutants. Planta, 1998, 205, 492-505.	1.6	75
129	Hemoglobin is essential for normal growth of Arabidopsis organs. Physiologia Plantarum, 2006, 127, 157-166.	2.6	75
130	A Cluster of Arabidopsis Genes with a Coordinate Response to an Environmental Stimulus. Current Biology, 2004, 14, 911-916.	1.8	74
131	Does the ocs-element occur as a functional component of the promoters of plant genes?. Plant Journal, 1993, 4, 433-443.	2.8	72
132	Role of DNA methylation in hybrid vigor in <i>Arabidopsis thaliana</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6704-E6711.	3.3	71
133	Multiple DNA methyltransferase genes in Arabidopsis thaliana. Plant Molecular Biology, 1999, 41, 269-278.	2.0	70
134	Insect- and herbicide-resistant transgenic eucalypts*. Molecular Breeding, 2000, 6, 307-315.	1.0	70
135	Laser capture microdissection and cDNA microarrays used to generate gene expression profiles of the rapidly expanding fibre initial cells on the surface of cotton ovules. Planta, 2007, 226, 1475-1490.	1.6	70
136	Cell signalling and gene regulation. Current Opinion in Plant Biology, 2003, 6, 405-409.	3.5	69
137	Inheritance of Trans Chromosomal Methylation patterns from <i>Arabidopsis</i> F1 hybrids. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2017-2022.	3.3	69
138	Insertion and Excision of Ds Controlling Elements in Maize. Cold Spring Harbor Symposia on Quantitative Biology, 1984, 49, 347-354.	2.0	69
139	Anaerobically regulated aldolase gene of maize. Journal of Molecular Biology, 1988, 202, 759-767.	2.0	67
140	Expression of pathogenesis-related genes in cotton stems in response to infection by Verticillium dahliae. Physiological and Molecular Plant Pathology, 2001, 58, 119-131.	1.3	67
141	Site specificity of the Arabidopsis METI DNA methyltransferase demonstrated through hypermethylation of the superman locus. Plant Molecular Biology, 2001, 46, 171-183.	2.0	67
142	Ds tagging of BRANCHED FLORETLESS 1 (BFL1) that mediates the transition from spikelet to floret meristem in rice (Oryza sativa L). BMC Plant Biology, 2003, 3, 6.	1.6	67
143	Molecular analysis of the alcohol dehydrogenase gene family of barley. Plant Molecular Biology, 1988, 11, 147-160.	2.0	66
144	Saturation mutagenesis of the octopine synthase enhancer: correlation of mutant phenotypes with binding of a nuclear protein factor.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 3733-3737.	3.3	66

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145	UBIQUITIN-SPECIFIC PROTEASE 26 Is Required for Seed Development and the Repression of <i>PHERES1</i> in Arabidopsis. Genetics, 2008, 180, 229-236.	1.2	66
146	An iAc/Ds gene and enhancer trapping system for insertional mutagenesis in rice. Functional Plant Biology, 2002, 29, 547.	1.1	65
147	Histone Acetylation, VERNALIZATION INSENSITIVE 3 , FLOWERING LOCUS C , and the Vernalization Response. Molecular Plant, 2009, 2, 724-737.	3.9	64
148	Enhancing the Anaerobic Response. Annals of Botany, 2003, 91, 111-117.	1.4	63
149	Expression of a bacterial gene in transgenic tobacco plants confers resistance to the herbicide 2,4-dichlorophenoxyacetic acid. Plant Molecular Biology, 1989, 13, 533-540.	2.0	61
150	Isolation and characterization of a Ds-tagged rice (Oryza sativa L.) GA-responsive dwarf mutant defective in an early step of the gibberellin biosynthesis pathway. Plant Cell Reports, 2005, 23, 819-833.	2.8	61
151	Epigenetics in plantsâ€"vernalisation and hybrid vigour. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 427-437.	0.9	61
152	In Nicotiana species, an artificial microRNA corresponding to the virulence modulating region of Potato spindle tuber viroid directs RNA silencing of a soluble inorganic pyrophosphatase gene and the development of abnormal phenotypes. Virology, 2014, 450-451, 266-277.	1.1	61
153	Autoradiography of the Bacillus subtilis chromosome. Journal of Molecular Biology, 1966, 15, 435-IN3.	2.0	59
154	<i>VERNALIZATION INSENSITIVE 3</i> (<i>VIN3</i>) is required for the response of <i>Arabidopsis thaliana</i> seedlings exposed to low oxygen conditions. Plant Journal, 2009, 59, 576-587.	2.8	59
155	Identification of High-Temperature-Responsive Genes in Cereals Â Â. Plant Physiology, 2012, 158, 1439-1450.	2.3	59
156	Identification of candidate genes for fusarium yellows resistance in Chinese cabbage by differential expression analysis. Plant Molecular Biology, 2014, 85, 247-257.	2.0	57
157	A tissue culture induced Adh1 null mutant of maize results from a single base change. Molecular Genetics and Genomics, 1987, 210, 181-183.	2.4	56
158	A quick and easy method for isolating good-quality RNA from cotton (Gossypium hirsutum L.) tissues. Plant Molecular Biology Reporter, 2002, 20, 213-218.	1.0	56
159	Mechanisms of gene repression by vernalization in Arabidopsis. Plant Journal, 2009, 59, 488-498.	2.8	56
160	Organ regulated expression of the Parasponia andersonii haemoglobin gene in transgenic tobacco plants. Molecular Genetics and Genomics, 1988, 214, 68-73.	2.4	55
161	Simple sequence repeat (SSR) markers reveal low levels of polymorphism between cotton (Gossypium) Tj ETQq1 1 0.784314 rgBT /Ove	1.5	55
162	Title is missing!. Molecular Breeding, 1999, 5, 219-232.	1.0	54

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163	Overexpression of alcohol dehydrogenase or pyruvate decarboxylase improves growth of hairy roots at reduced oxygen concentrations. Biotechnology and Bioengineering, 2002, 77, 455-461.	1.7	54
164	Molecular Mechanisms of Epigenetic Variation in Plants. International Journal of Molecular Sciences, 2012, 13, 9900-9922.	1.8	54
165	Cloning and characterization of microRNAs from <i>Brassica napus</i>. FEBS Letters, 2007, 581, 3848-3856.	1.3	52
166	Vernalization in cereals. Journal of Biology, 2009, 8, 57.	2.7	52
167	Dissociation (Ds) constructs, mapped Ds launch pads and a transiently-expressed transposase system suitable for localized insertional mutagenesis in rice. Theoretical and Applied Genetics, 2006, 112, 1326-1341.	1.8	51
168	Hybrid mimics and hybrid vigor in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4959-67.	3.3	51
169	Cotton plants transformed with a bacterial degradation gene are protected from accidental spray drift damage by the herbicide 2,4-dichlorophenoxyacetic acid. Transgenic Research, 1993, 2, 162-169.	1.3	49
170	Genetic distance of inbred lines of Chinese cabbage and its relationship to heterosis. Plant Gene, 2016, 5, 1-7.	1.4	48
171	Hairpin RNAs derived from RNA polymerase II and polymerase III promoter-directed transgenes are processed differently in plants. Rna, 2008, 14, 903-913.	1.6	47
172	Comparisons of early transcriptome responses to low-oxygen environments in three dicotyledonous plant species. Plant Signaling and Behavior, 2010, 5, 1006-1009.	1.2	47
173	Agrobacterium tumefaciens-gene transfer into wheat tissues. Plant Cell, Tissue and Organ Culture, 1991, 25, 209-218.	1.2	46
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