Steven J Rothstein

List of Publications by Year
in descending order

151 papers	14,432 citations	14653 66 h-index	20955 115 g-index
151 all docs	151 docs citations	151 times ranked	12724 citing authors

#	Article	IF	Citations
1	A restriction enzyme cleavage map of Tn5 and location of a region encoding neomycin resistance. Molecular Genetics and Genomics, 1979, 177, 65-72.	2.4	706
2	Understanding plant response to nitrogen limitation for the improvement of crop nitrogen use efficiency. Journal of Experimental Botany, 2011, 62, 1499-1509.	4.8	485
3	Tung Tree DGAT1 and DGAT2 Have Nonredundant Functions in Triacylglycerol Biosynthesis and Are Localized to Different Subdomains of the Endoplasmic Reticulum. Plant Cell, 2006, 18, 2294-2313.	6.6	469
4	Molecular cloning of complementary DNA encoding the lignin-forming peroxidase from tobacco: Molecular analysis and tissue-specific expression. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 7542-7546.	7.1	407
5	Heat induces the splicing by IRE1 of a mRNA encoding a transcription factor involved in the unfolded protein response in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7247-7252.	7.1	405
6	Control of inflorescence architecture in Antirrhinum. Nature, 1996, 379, 791-797.	27.8	402
7	C6-volatiles derived from the lipoxygenase pathway induce a subset of defense-related genes. Plant Journal, 1998, 16, 561-569.	5.7	393
8	Arabidopsis homolog of the yeast TREX-2 mRNA export complex: components and anchoring nucleoporin. Plant Journal, 2010, 61, 259-270.	5.7	332
9	Genetic Regulation by NLA and MicroRNA827 for Maintaining Nitrate-Dependent Phosphate Homeostasis in Arabidopsis. PLoS Genetics, 2011, 7, e1002021.	3.5	319
10	A mutation in NLA, which encodes a RING-type ubiquitin ligase, disrupts the adaptability of Arabidopsis to nitrogen limitation. Plant Journal, 2007, 50, 320-337.	5.7	258
11	Tissue Specificity of Tobacco Peroxidase Isozymes and Their Induction by Wounding and Tobacco Mosaic Virus Infection. Plant Physiology, 1987, 84, 438-442.	4.8	245
12	ABCG Transporters Are Required for Suberin and Pollen Wall Extracellular Barriers in<i>Arabidopsis</i>Â Â. Plant Cell, 2014, 26, 3569-3588.	6.6	241
13	The inverted repeats of Tn are functionally different. Cell, 1980, 19, 795-805.	28.9	233
14	The S-locus receptor kinase gene in a self-incompatible Brassica napus line encodes a functional serine/threonine kinase.. Plant Cell, 1992, 4, 1273-1281.	6.6	226
15	The relationship between anion exchange and net anion flow across the human red blood cell membrane.. Journal of General Physiology, 1977, 69, 363-386.	1.9	223
16	<i>SAUR39</i>, a Small Auxin-Up RNA Gene, Acts as a Negative Regulator of Auxin Synthesis and Transport in Rice Â. Plant Physiology, 2009, 151, 691-701.	4.8	218
17	The Genetics of Nitrogen Use Efficiency in Crop Plants. Annual Review of Genetics, 2015, 49, 269-289.	7.6	217
18	Genetic analysis of Arabidopsis GATA transcription factor gene family reveals a nitrate-inducible member important for chlorophyll synthesis and glucose sensitivity. Plant Journal, 2005, 44, 680-692.	5.7	206

#	Article	IF	Citations
19	Adaptation of Arabidopsis to nitrogen limitation involves induction of anthocyanin synthesis which is controlled by the NLA gene. Journal of Experimental Botany, 2008, 59, 2933-2944.	4.8	194
20	Biological functions of asparagine synthetase in plants. Plant Science, 2010, 179, 141-153.	3.6	193
21	Expression of Allene Oxide Synthase Determines Defense Gene Activation in Tomato. Plant Physiology, 2000, 122, 1335-1342.	4.8	188
22	Genome-wide analysis of Arabidopsis responsive transcriptome to nitrogen limitation and its regulation by the ubiquitin ligase gene NLA. Plant Molecular Biology, 2007, 65, 775-797.	3.9	179
23	AMT1;1 transgenic rice plants with enhanced NH4+ permeability show superior growth and higher yield under optimal and suboptimal NH4+ conditions. Journal of Experimental Botany, 2014, 65, 965-979.	4.8	176
24	The role of epigenetic processes in controlling flowering time in plants exposed to stress. Journal of Experimental Botany, 2011, 62, 3727-3735.	4.8	172
25	Global transcription profiling reveals differential responses to chronic nitrogen stress and putative nitrogen regulatory components in Arabidopsis. BMC Genomics, 2007, 8, 281.	2.8	171
26	The Rice R2R3-MYB Transcription Factor OsMYB55 Is Involved in the Tolerance to High Temperature and Modulates Amino Acid Metabolism. PLoS ONE, 2012, 7, e52030.	2.5	163
27	The APETALA-2-Like Transcription Factor OsAP2-39 Controls Key Interactions between Abscisic Acid and Gibberellin in Rice. PLoS Genetics, 2010, 6, e1001098.	3.5	161
28	The functional differences in the inverted repeats of Tn5 are caused by a single base pair nonhomology. Cell, 1981, 23, 191-199.	28.9	157
29	Genome-wide expression profiling of maize in response to individual and combined water and nitrogen stresses. BMC Genomics, 2013, 14, 3.	2.8	157
30	The Response of Leaf Photosynthesis and Dry Matter Accumulation to Nitrogen Supply in an Older and a Newer Maize Hybrid. Crop Science, 2008, 48, 656-665.	1.8	154
31	NIN-like protein 8 is a master regulator of nitrate-promoted seed germination in Arabidopsis. Nature Communications, 2016, 7, 13179.	12.8	147
32	Genome-Wide Identification of MicroRNAs in Response to Low Nitrate Availability in Maize Leaves and Roots. PLoS ONE, 2011, 6, e28009.	2.5	146
33	Increased nitrogenâ€use efficiency in transgenic rice plants overâ€expressing a nitrogenâ€responsive early nodulin gene identified from rice expression profiling. Plant, Cell and Environment, 2009, 32, 1749-1760.	5.7	139
34	Isolation of cDNA clones coding for spinach nitrite reductase: Complete sequence and nitrate induction. Molecular Genetics and Genomics, 1988, 212, 20-26.	2.4	137
35	ROS Induces Anthocyanin Production Via Late Biosynthetic Genes and Anthocyanin Deficiency Confers the Hypersensitivity to ROS-Generating Stresses in Arabidopsis. Plant and Cell Physiology, 2017, 58, 1364-1377.	3.1	133
36	Peroxidase-Induced Wilting in Transgenic Tobacco Plants.. Plant Cell, 1990, 2, 7-18.	6.6	131

#	Article	IF	Citations
37	Secretion of a wheat Î±-amylase expressed in yeast. Nature, 1984, 308, 662-665.	27.8	130
38	Arabidopsis thaliana GPAT8 and GPAT9 are localized to the ER and possess distinct ER retrieval signals: Functional divergence of the dilysine ER retrieval motif in plant cells. Plant Physiology and Biochemistry, 2009, 47, 867-879.	5.8	128
39	Characterization of Antisense Transformed Plants Deficient in the Tobacco Anionic Peroxidase. Plant Physiology, 1997, 114, 1187-1196.	4.8	125
40	Molecular Characterization of an Arabidopsis Gene Encoding Hydroperoxide Lyase, a Cytochrome P-450 That Is Wound Inducible1. Plant Physiology, 1998, 117, 1393-1400.	4.8	123
41	GNC and CGA1 Modulate Chlorophyll Biosynthesis and Glutamate Synthase (GLU1/Fd-GOGAT) Expression in Arabidopsis. PLoS ONE, 2011, 6, e26765.	2.5	121
42	Expression of OsMYB55 in maize activates stress-responsive genes and enhances heat and drought tolerance. BMC Genomics, 2016, 17, 312.	2.8	121
43	<i>OsPIN5b</i> modulates rice (<i>Oryza sativa</i>) plant architecture and yield by changing auxin homeostasis, transport and distribution. Plant Journal, 2015, 83, 913-925.	5.7	117
44	Rice Cytokinin GATA Transcription Factor1 Regulates Chloroplast Development and Plant Architecture Â Â. Plant Physiology, 2013, 162, 132-144.	4.8	108
45	Improving yield potential in crops under elevated CO2: Integrating the photosynthetic and nitrogen utilization efficiencies. Frontiers in Plant Science, 2012, 3, 162.	3.6	105
46	Stable and heritable inhibition of the expression of nopaline synthase in tobacco expressing antisense RNA. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 8439-8443.	7.1	100
47	Molecular Cloning of Complementary DNA Encoding Maize Nitrite Reductase. Plant Physiology, 1988, 88, 741-746.	4.8	99
48	Reappraisal of nitrogen use efficiency in rice overexpressing <i>glutamine synthetase1</i>. Physiologia Plantarum, 2011, 141, 361-372.	5.2	99
49	Arabidopsis PEROXIN11c-e, FISSION1b, and DYNAMIN-RELATED PROTEIN3A Cooperate in Cell Cycleâ€"Associated Replication of Peroxisomes. Plant Cell, 2008, 20, 1567-1585.	6.6	98
50	Asparagine Metabolic Pathways in Arabidopsis. Plant and Cell Physiology, 2016, 57, 675-689.	3.1	98
51	The Cloning of Two Tomato Lipoxygenase Genes and Their Differential Expression during Fruit Ripening. Plant Physiology, 1994, 106, 109-118.	4.8	97
52	The Arabidopsis Transcription Factor ANAC032 Represses Anthocyanin Biosynthesis in Response to High Sucrose and Oxidative and Abiotic Stresses. Frontiers in Plant Science, 2016, 7, 1548.	3.6	95
53	Overâ€expression of <i>STP13</i>, a hexose transporter, improves plant growth and nitrogen use in <i>Arabidopsis thaliana</i> seedlings. Plant, Cell and Environment, 2009, 32, 271-285.	5.7	94
54	Promoter cassettes, antibiotic-resistance genes, and vectors for plant transformation. Gene, 1987, 53, 153-161.	2.2	93

#	Article	IF	Citations
55	A Developmental Transcriptional Network for Maize Defines Coexpression Modules Â Â Â. Plant Physiology, 2013, 161, 1830-1843.	4.8	89
56	Assimilation of excess ammonium into amino acids and nitrogen translocation in <i>Arabidopsisâ€ƒthaliana</i>â€“ roles of glutamate synthases and carbamoylphosphate synthetase in leaves. FEBS Journal, 2009, 276, 4061-4076.	4.7	87
57	Structural and Transcriptional Comparative Analysis of the S Locus Regions in Two Self-Incompatible Brassica napus Lines. Plant Cell, 1999, 11, 2217-2231.	6.6	86
58	Cloning of Tomato (Lycopersicon esculentum Mill.) Arginine Decarboxylase Gene and Its Expression during Fruit Ripening. Plant Physiology, 1993, 103, 829-834.	4.8	85
59	Molecular characterization of the S locus in two self-incompatible Brassica napus lines.. Plant Cell, 1996, 8, 2369-2380.	6.6	84
60	Transformation of a partial nopaline synthase gene into tobacco suppresses the expression of a resident wild-type gene.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1770-1774.	7.1	78
61	AtMBD9: a protein with a methyl-CpG-binding domain regulates flowering time and shoot branching in Arabidopsis. Plant Journal, 2006, 46, 282-296.	5.7	78
62	Expression of Nuclear and Chloroplast Photosynthesis-Specific Genes During Leaf Senescence. Journal of Experimental Botany, 1991, 42, 801-811.	4.8	76
63	Physiological and genetic analysis of<i>Arabidopsis thaliana</i>anthocyanin biosynthesis mutants under chronic adverse environmental conditions. Journal of Experimental Botany, 2013, 64, 229-240.	4.8	76
64	The Arabidopsis Halophytic Relative<i>Thellungiella halophila</i>Tolerates Nitrogen-Limiting Conditions by Maintaining Growth, Nitrogen Uptake, and Assimilation Â Â. Plant Physiology, 2008, 147, 1168-1180.	4.8	73
65	Regulation of the Accumulation and Reduction of Nitrate by Nitrogen and Carbon Metabolites in Maize Seedlings. Plant Physiology, 1997, 114, 583-589.	4.8	71
66	Synergistic repression of the embryonic programme by SET DOMAIN GROUP 8 and EMBRYONIC FLOWER 2 in Arabidopsis seedlings. Journal of Experimental Botany, 2012, 63, 1391-1404.	4.8	71
67	ANAC032 Positively Regulates Age-Dependent and Stress-Induced Senescence in<i>Arabidopsis thaliana</i>. Plant and Cell Physiology, 2016, 57, 2029-2046.	3.1	70
68	ROS-Induced anthocyanin production provides feedback protection by scavenging ROS and maintaining photosynthetic capacity in Arabidopsis. Plant Signaling and Behavior, 2018, 13, e1451708.	2.4	69
69	Two Members of the Thioredoxin-h Family Interacts with the Kinase Domain of a Brassica S Locus Receptor Kinase. Plant Cell, 1996, 8, 1641.	6.6	68
70	MicroRNAâ€“Mediated Repression of the Seed Maturation Program during Vegetative Development in Arabidopsis. PLoS Genetics, 2012, 8, e1003091.	3.5	68
71	Biosynthesis of cannflavins A and B from Cannabis sativa L. Phytochemistry, 2019, 164, 162-171.	2.9	67
72	Effect of Light/Dark Cycles on Expression of Nitrate Assimilatory Genes in Maize Shoots and Roots. Plant Physiology, 1991, 95, 281-285.	4.8	66

#	Article	IF	Citations
73	Role of microRNAs involved in plant response to nitrogen and phosphorous limiting conditions. Frontiers in Plant Science, 2015, 6, 629.	3.6	66
74	Regulation of seed dormancy and germination by nitrate. Seed Science Research, 2018, 28, 150-157.	1.7	61
75	Structure and Regulation of Ferredoxin-Dependent Glutamase Synthase from Arabidopsis Thaliana. Cloning of cDNA, Expression in Different Tissues of Wild-Type and gltS Mutant Strains, and Light Induction. FEBS Journal, 1997, 243, 708-718.	0.2	60
76	Footprinting of the spinach nitrite reductase gene promoter reveals the preservation of nitrate regulatory elements between fungi and higher plants. Plant Molecular Biology, 1997, 34, 465-476.	3.9	60
77	The Self-Incompatibility Phenotype in Brassica Is Altered by the Transformation of a Mutant S Locus Receptor Kinase. Plant Cell, 1998, 10, 209-218.	6.6	60
78	Isolation of the spinach nitrite reductase gene promoter which confers nitrate inducibility on GUS gene expression in transgenic tobacco. Plant Molecular Biology, 1991, 17, 9-18.	3.9	59
79	RNA polymerase binding sites in Âplac5 DNA. Proceedings of the National Academy of Sciences of the United States of America, 1977, 74, 4914-4918.	7.1	58
80	Returning to Our Roots: Making Plant Biology Research Relevant to Future Challenges in Agriculture. Plant Cell, 2007, 19, 2695-2699.	6.6	57
81	AtMBD9 modulates Arabidopsis development through the dual epigenetic pathways of DNA methylation and histone acetylation. Plant Journal, 2009, 59, 123-135.	5.7	55
82	Purification and Partial Characterization of a Membrane-Associated Lipoxygenase in Tomato Fruit. Plant Physiology, 1992, 100, 1802-1807.	4.8	54
83	Use of the polymerase chain reaction to isolate an S-locus glycoprotein cDNA introgressed from Brassica campestris into B. napus ssp. oleifera. Molecular Genetics and Genomics, 1992, 234, 185-192.	2.4	51
84	Binding of pea cytochrome f to the inner membrane of Escherichia coli requires the bacterial secA gene product.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 7955-7959.	7.1	50
85	Transient Accumulation of Nitrite Reductase mRNA in Maize following the Addition of Nitrate. Plant Physiology, 1989, 90, 1214-1220.	4.8	50
86	A 330 bp region of the spinach nitrite reductase gene promoter directs nitrate-inducible tissue-specific expression in transgenic tobacco. Plant Journal, 1993, 4, 317-326.	5.7	49
87	Ammonium-induced architectural and anatomical changes with altered suberin and lignin levels significantly change water and solute permeabilities of rice (Oryza sativa L.) roots. Planta, 2016, 243, 231-249.	3.2	49
88	Overexpression of OsGATA12 regulates chlorophyll content, delays plant senescence and improves rice yield under high density planting. Plant Molecular Biology, 2017, 94, 215-227.	3.9	48
89	Alteration of the bZIP60/IRE1 Pathway Affects Plant Response to ER Stress in Arabidopsis thaliana. PLoS ONE, 2012, 7, e39023.	2.5	48
90	Hydrophobicâ€Domainâ€Dependent Proteinâ€"Protein Interactions Mediate the Localization of GPAT Enzymes to ER Subdomains. Traffic, 2011, 12, 452-472.	2.7	47

#	Article	IF	Citations
91	The S locus glycoprotein and the S receptor kinase are sufficient for self-pollen rejection in Brassica. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3713-3717.	7.1	47
92	Overexpression of miR169o, an Overlapping MicroRNA in Response to Both Nitrogen Limitation and Bacterial Infection, Promotes Nitrogen Use Efficiency and Susceptibility to Bacterial Blight in Rice. Plant and Cell Physiology, 2018, 59, 1234-1247.	3.1	46
93	Co-expression of both the maize large and wheat small subunit genes of ribulose-bisphosphate carboxylase in Escherichia coli. FEBS Journal, 1987, 168, 227-231.	0.2	44
94	Overexpression of the CC-type glutaredoxin, OsGRX6 affects hormone and nitrogen status in rice plants. Frontiers in Plant Science, 2015, 6, 934.	3.6	44
95	An S Receptor Kinase Gene in Self-Compatible Brassica napus Has a 1-bp Deletion. Plant Cell, 1993, 5, 531.	6.6	41
96	Metabolic and co-expression network-based analyses associated with nitrate response in rice. BMC Genomics, 2014, 15, 1056.	2.8	40
97	Synthesis and secretion of wheat Î±-amylase in Saccharomyces cerevisiae. Gene, 1987, 55, 353-356.	2.2	39
98	Translational coupling of the maize chloroplast atpB and atpE genes. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 4066-4070.	7.1	37
99	Regulation by light and metabolites of ferredoxin-dependent glutamate synthase in maize. Physiologia Plantarum, 2001, 112, 524-530.	5.2	37
100	Global DNA Methylation Analysis Using Methyl-Sensitive Amplification Polymorphism (MSAP). Methods in Molecular Biology, 2014, 1062, 285-298.	0.9	37
101	Nitrate Effects on Nitrate Reductase Activity and Nitrite Reductase mRNA Levels in Maize Suspension Cultures. Plant Physiology, 1989, 90, 962-967.	4.8	36
102	Auxin-responsive<i>SAUR39</i>gene modulates auxin level in rice. Plant Signaling and Behavior, 2009, 4, 1174-1175.	2.4	35
103	Molecular mechanisms of self-recognition in Brassica self-incompatibility. Trends in Plant Science, 2000, 5, 432-438.	8.8	34
104	Transcript and metabolite signature of maize source leaves suggests a link between transitory starch to sucrose balance and the autonomous floral transition. Journal of Experimental Botany, 2012, 63, 5079-5092.	4.8	34
105	High throughput RNA sequencing of a hybrid maize and its parents shows different mechanisms responsive to nitrogen limitation. BMC Genomics, 2014, 15, 77.	2.8	33
106	Functional Characterization of the Rice UDP-glucose 4-epimerase 1, OsUGE1: A Potential Role in Cell Wall Carbohydrate Partitioning during Limiting Nitrogen Conditions. PLoS ONE, 2014, 9, e96158.	2.5	33
107	Identification of an S-locus glycoprotein allele introgressed from B. napus ssp. rapifera to B. napus ssp. oleifera.. Plant Journal, 1992, 2, 983-989.	5.7	32
108	Regulation of maize root nitrate reductase mRNA levels. Physiologia Plantarum, 1992, 85, 561-566.	5.2	32

#	Article	IF	Citations
109	Quantitative and qualitative differences in C6 -volatile production from the lipoxygenase pathway in an alcohol dehydrogenase mutant of Arabidopsis thaliana. Physiologia Plantarum, 1998, 104, 97-104.	5.2	31
110	Agrobacterium-derived cytokinin influences plastid morphology and starch accumulation in Nicotiana benthamiana during transient assays. BMC Plant Biology, 2014, 14, 127.	3.6	31
111	Overexpression of ANAC046 Promotes Suberin Biosynthesis in Roots of Arabidopsis thaliana. International Journal of Molecular Sciences, 2019, 20, 6117.	4.1	31
112	Characterization and Immunolocalization of a Cytosolic Calcium-Binding Protein from Brassica napus and Arabidopsis Pollen1. Plant Physiology, 1999, 120, 787-798.	4.8	30
113	A complete cDNA for adenine phosphoribosyltransferase fromArabidopsis thaliana. Plant Molecular Biology, 1992, 18, 653-662.	3.9	27
114	Peroxidase-Induced Wilting in Transgenic Tobacco Plants. Plant Cell, 1990, 2, 7.	6.6	25
115	Features of the extracellular domain of the S-locus receptor kinase from Brassica. Molecular Genetics and Genomics, 1994, 244, 630-637.	2.4	25
116	A multivariate Poisson-log normal mixture model for clustering transcriptome sequencing data. BMC Bioinformatics, 2019, 20, 394.	2.6	25
117	Active Translation of the D-1 Protein of Photosystem II in Senescing Leaves. Plant Physiology, 1992, 99, 589-594.	4.8	24
118	Developmental regulation of two tomato lipoxygenase promoters in transgenic tobacco and tomato. , 1997, 33, 835-846.		24
119	Transformation of Arabidopsis with a Brassica SLG/SRK region and ARC1 gene is not sufficient to transfer the self-incompatibility phenotype. Molecular Genetics and Genomics, 2000, 263, 648-654.	2.4	24
120	Synthesis of a wheat storage protein subunit in Escherichia coli using novel expression vectors. Gene, 1985, 35, 159-167.	2.2	19
121	Loss of callose in the stigma papillae does not affect the Brassica self-incompatibility phenotype. Planta, 1997, 203, 327-331.	3.2	18
122	The challenges of commercializing second-generation transgenic crop traits necessitate the development of international public sector research infrastructure. Journal of Experimental Botany, 2014, 65, 5673-5682.	4.8	18
123	Nitrogen effects on the induction of ferredoxin-dependent glutamate synthase and its mRNA in maize leaves under the light. Plant Science, 1996, 114, 83-91.	3.6	16
124	Analysis of cis -acting DNA elements mediating induction and repression of the spinach nitrite reductase gene. Planta, 1998, 206, 66-71.	3.2	15
125	Nitrogen transporter and assimilation genes exhibit developmental stage-selective expression in maize (<i>Zea mays</i>L.) associated with distinct<i>cis</i>-acting promoter motifs. Plant Signaling and Behavior, 2013, 8, e26056.	2.4	15
126	The SNAC-A Transcription Factor ANAC032 Reprograms Metabolism in Arabidopsis. Plant and Cell Physiology, 2019, 60, 999-1010.	3.1	15

#	Article	IF	Citations
127	Nitrogen limitation and high density responses in rice suggest a role for ethylene under high density stress. BMC Genomics, 2014, 15, 681.	2.8	14
128	Expression of a wheat Î±-amylase gene in Escherichia coli: recognition of the translational initiation site and the signal peptide. Gene, 1986, 45, 11-18.	2.2	13
129	Genomeâ€wide binding analysis of AtGNC and AtCGA1 demonstrates their crossâ€regulation and common and specific functions. Plant Direct, 2017, 1, e00016.	1.9	13
130	Engineering resistance to trypsin inactivation into l-asparaginase through the production of a chimeric protein between the enzyme and a protective single-chain antibody. Enzyme and Microbial Technology, 1995, 17, 757-764.	3.2	10
131	Structural and Transcriptional Comparative Analysis of the S Locus Regions in Two Self-Incompatible Brassica napus Lines. Plant Cell, 1999, 11, 2217.	6.6	10
132	Exploring the Molecular and Metabolic Factors Contributing to the Adaptation of Maize Seedlings to Nitrate Limitation. Frontiers in Plant Science, 2011, 2, 49.	3.6	10
133	Synthesis of maize chloroplast ATP-synthase Î²-subunit fusion proteins in Escherichia coli and binding to the inner membrane. Gene, 1986, 41, 241-247.	2.2	9
134	A novel strategy for regulated expression of a cytotoxic gene. Gene, 2001, 279, 175-179.	2.2	9
135	Altered Expression of OsNLA1 Modulates Pi Accumulation in Rice (Oryza sativa L.) Plants. Frontiers in Plant Science, 2017, 8, 928.	3.6	9
136	Using bacteria to analyze sequences involved in chloroplast gene expression. Photosynthesis Research, 1988, 19, 7-22.	2.9	8
137	Identification and characterization of a putative light-harvesting chlorophyll a/b-binding protein gene encoded at a fertility restorer locus for the Ogura CMS in Brassica napus L.. Theoretical and Applied Genetics, 2001, 102, 759-766.	3.6	7
138	Evidence that the Arabidopsis Ubiquitin C-terminal Hydrolases 1 and 2 associate with the 26S proteasome and the TREX-2 complex. Plant Signaling and Behavior, 2012, 7, 1415-1419.	2.4	7
139	S-Locus Receptor Kinase Genes and Self-incompatibility in Brassica napus. Plant Gene Research, 1996, , 217-230.	0.4	7
140	A binary vector-based large insert library for <i>Brassica napus</i> and identification of clones linked to a fertility restorer locus for <i>Ogura</i> cytoplasmic male sterility (CMS). Genome, 2000, 43, 102-109.	2.0	7
141	Bibenzyl synthesis in Cannabis sativa L. Plant Journal, 2021, , .	5.7	6
142	Distinct domains within the NITROGEN LIMITATION ADAPTATION protein mediate its subcellular localization and function in the nitrate-dependent phosphate homeostasis pathway. Botany, 2018, 96, 79-96.	1.0	5
143	The Self-Incompatibility Phenotype in Brassica Is Altered by the Transformation of a Mutant S Locus Receptor Kinase. Plant Cell, 1998, 10, 209.	6.6	4
144	Identification of regulatory genes to improve nitrogen use efficiency. Canadian Journal of Plant Science, 2014, 94, 1009-1012.	0.9	4

#	Article	IF	Citations
145	Regulation of maize root nitrate reductase mRNA levels. Physiologia Plantarum, 1992, 85, 561-566.	5.2	4
146	The AtPP gene of the Brassica napus S locus region is specifically expressed in the stigma and encodes a protein similar to a methyltransferase involved in plant defense. Sexual Plant Reproduction, 2001, 13, 309-314.	2.2	3
147	Antigenic similarity between the Î²-subunits of the ATPases of a bacterium, a yeast and a higher plant. Phytochemistry, 1985, 24, 259-260.	2.9	1
148	Expression of a wheat Î±-amylase gene in Escherichia coli: recognition of the translational initiation site and the signal peptide. Gene, 1986, 49, 399.	2.2	0
149	Molecular Characterization of the S Locus in Two Self-Incompatible Brassica napus Lines. Plant Cell, 1996, 8, 2369.	6.6	0
150	Molecular Genetics of Self-incompatibility in Brassica napus. Annals of Botany, 2000, 85, 133-139.	2.9	0
151	Using bacteria to analyze sequences involved in chloroplast gene expression. , 1988, , 105-120.		0