

Floral dip: a simplified method for *Agrobacterium*-mediated transformation of *Arabidopsis thaliana*

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Exploring the Potential of Plant RNase P as a Functional Genomics Tool. , 2003, 236, 295-310.		2
3	The Arabidopsis thaliana HY1 locus, required for phytochrome-chromophore biosynthesis, encodes a protein related to heme oxygenases. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6541-6546.	3.3	221
4	T-DNA as an Insertional Mutagen in Arabidopsis. Plant Cell, 1999, 11, 2283-2290.	3.1	658
5	Changes in the shapes of leaves and flowers upon overexpression of cytochrome P450 in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9433-9437.	3.3	132
6	BAS1: A gene regulating brassinosteroid levels and light responsiveness in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 15316-15323.	3.3	352
7	Arabidopsis ovule is the target for Agrobacterium in planta vacuum infiltration transformation. Plant Journal, 1999, 19, 249-257.	2.8	163
8	A novel promoter from soybean that is active in a complex developmental pattern with and without its proximal 650 base pairs. Plant Molecular Biology, 1999, 41, 217-231.	2.0	35
9	Mutations in a new Arabidopsis cyclophilin disrupt its interaction with protein phosphatase 2A. Molecular Genetics and Genomics, 1999, 262, 830-838.	2.4	28
10	Recent advances in the transformation of plants. Trends in Plant Science, 1999, 4, 226-231.	4.3	340
11	Identification and Cloning of a Negative Regulator of Systemic Acquired Resistance, SN11, through a Screen for Suppressors of npr1-1. Cell, 1999, 98, 329-339.	13.5	240
12	The Arabidopsis det3 mutant reveals a central role for the vacuolar H ⁺ -ATPase in plant growth and development. Genes and Development, 1999, 13, 3259-3270.	2.7	285
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16	Identification of Arabidopsis Mutants Exhibiting an Altered Hypersensitive Response in Gene-for-Gene Disease Resistance. Molecular Plant-Microbe Interactions, 2000, 13, 277-286.	1.4	51
17	AtBI-1, a plant homologue of Bax Inhibitor-1, suppresses Bax-induced cell death in yeast and is rapidly upregulated during wounding and pathogen challenge. Plant Journal, 2000, 21, 393-399.	2.8	140
18	Lesions in the sterol Delta7 reductase gene of Arabidopsis cause dwarfism due to a block in brassinosteroid biosynthesis. Plant Journal, 2000, 21, 431-443.	2.8	165
19	Functional analysis of HD2 histone deacetylase homologues in Arabidopsis thaliana. Plant Journal, 2000, 22, 19-27.	2.8	160

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21	Transformation of <i>Medicago truncatula</i> via infiltration of seedlings or flowering plants with <i>Agrobacterium</i> . <i>Plant Journal</i> , 2000, 22, 531-541.	2.8	233
22	A novel composite locus of <i>Arabidopsis</i> encoding two polypeptides with metabolically related but distinct functions in lysine catabolism. <i>Plant Journal</i> , 2000, 23, 195-203.	2.8	20
23	Cell-type-specific calcium responses to drought, salt and cold in the <i>Arabidopsis</i> root. <i>Plant Journal</i> , 2000, 23, 267-278.	2.8	353
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1519	An Arabidopsis cell wall-associated kinase required for invertase activity and cell growth. <i>Plant Journal</i> , 2006, 46, 307-316.	2.8	177
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1533	Pseudomonas syringae effector AvrPtoB suppresses basal defence in Arabidopsis. <i>Plant Journal</i> , 2006, 47, 368-382.	2.8	153
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2355	A strong constitutive gene expression system derived from <i>ibAGP1</i> promoter and its transit peptide. <i>Plant Cell Reports</i> , 2007, 26, 1253-1262.	2.8	14
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2457	Sucrose induction of Arabidopsis miR398 represses two Cu/Zn superoxide dismutases. <i>Plant Molecular Biology</i> , 2008, 67, 403-417.	2.0	234
2458	A lectin receptor-like kinase is required for pollen development in Arabidopsis. <i>Plant Molecular Biology</i> , 2008, 67, 469-482.	2.0	84
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2477	Evaluation of CRE-mediated excision approaches in Arabidopsis thaliana. <i>Transgenic Research</i> , 2008, 17, 239-250.	1.3	37
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2487	Constitutive expression of a meiotic recombination protein gene homolog, OsTOP6A1, from rice confers abiotic stress tolerance in transgenic Arabidopsis plants. <i>Plant Cell Reports</i> , 2008, 27, 767-778.	2.8	32
2488	Overexpression of AtMHX in tobacco causes increased sensitivity to Mg ²⁺ , Zn ²⁺ , and Cd ²⁺ ions, induction of V-ATPase expression, and a reduction in plant size. <i>Plant Cell Reports</i> , 2008, 27, 939-949.	2.8	54
2489	Viral suppressor proteins show varying abilities and effectiveness to suppress transgene-induced post-transcriptional gene silencing of endogenous Chalcone synthase in transgenic Arabidopsis. <i>Plant Cell Reports</i> , 2008, 27, 911-921.	2.8	7
2490	The second intron of AGAMOUS drives carpel- and stamen-specific expression sufficient to induce complete sterility in Arabidopsis. <i>Plant Cell Reports</i> , 2008, 27, 855-863.	2.8	38
2491	Creation and analysis of a novel chimeric promoter for the complete containment of pollen- and seed-mediated gene flow. <i>Plant Cell Reports</i> , 2008, 27, 995-1004.	2.8	21

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2493	Dissected effect of a transit peptide of the ADP-glucose pyrophosphorylase gene from sweetpotato (ibAGP2) in increasing foreign protein accumulation. <i>Plant Cell Reports</i> , 2008, 27, 1359-1367.	2.8	5
2494	An intensive understanding of vacuum infiltration transformation of pakchoi (<i>Brassica rapa</i> ssp.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	2.8	22
2495	<i>Arabidopsis</i> dynamin-related protein DRP2B is co-localized with DRP1A on the leading edge of the forming cell plate. <i>Plant Cell Reports</i> , 2008, 27, 1581-1586.	2.8	46
2496	Efficient production of genetically engineered, male-sterile <i>Arabidopsis thaliana</i> using anther-specific promoters and genes derived from <i>Brassica oleracea</i> and <i>B. rapa</i> . <i>Plant Cell Reports</i> , 2008, 27, 1741-1754.	2.8	41
2497	Molecular Characterization of <i>Arabidopsis</i> and <i>Brassica juncea</i> Cu/Zn-Superoxide Dismutases Reveals Their Regulation of Shoot Regeneration. <i>Journal of Plant Growth Regulation</i> , 2008, 27, 99-109.	2.8	5
2498	Overexpression of a tobacco small G protein gene <i>NtRop1</i> causes salt sensitivity and hydrogen peroxide production in transgenic plants. <i>Science in China Series C: Life Sciences</i> , 2008, 51, 383-390.	1.3	12
2499	An <i>Arabidopsis</i> <i>ctpA</i> homologue is involved in the repair of photosystem II under high light. <i>Science Bulletin</i> , 2008, 53, 1021-1026.	4.3	13
2500	Functional characterization and mapping of two MADS box genes from peach (<i>Prunus persica</i>). <i>Science Bulletin</i> , 2008, 53, 853-859.	4.3	10
2501	Overexpression of phospholipase D α gene enhances drought and salt tolerance of <i>Populus tomentosa</i> . <i>Science Bulletin</i> , 2008, 53, 3656-3665.	1.7	17
2502	The <i>AtMKK3</i> pathway mediates ABA and salt signaling in <i>Arabidopsis</i> . <i>Acta Physiologiae Plantarum</i> , 2008, 30, 277-286.	1.0	57
2503	Expression of the <i>Vicia faba</i> <i>VfPIP1</i> gene in <i>Arabidopsis thaliana</i> plants improves their drought resistance. <i>Journal of Plant Research</i> , 2008, 121, 207-214.	1.2	117
2504	Overexpression of <i>OgPAE1</i> from wild rice confers fungal resistance against <i>Botrytis cinerea</i> . <i>Journal of Plant Research</i> , 2008, 121, 435-440.	1.2	6
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2506	Overexpression of phytoene synthase gene from <i>Salicornia europaea</i> alters response to reactive oxygen species under salt stress in transgenic <i>Arabidopsis</i> . <i>Biotechnology Letters</i> , 2008, 30, 1501-1507.	1.1	72
2507	Distinct expression of members of the LHT amino acid transporter family in flowers indicates specific roles in plant reproduction. <i>Sexual Plant Reproduction</i> , 2008, 21, 143-152.	2.2	46
2508	Identification of the <i>OsOPR7</i> gene encoding 12-oxophytodienoate reductase involved in the biosynthesis of jasmonic acid in rice. <i>Planta</i> , 2008, 227, 517-526.	1.6	141
2509	Function of a novel GDSL-type pepper lipase gene, <i>CaGLIP1</i> , in disease susceptibility and abiotic stress tolerance. <i>Planta</i> , 2008, 227, 539-558.	1.6	154

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2511	Expression of NO scavenging hemoglobin is involved in the timing of bolting in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2008, 227, 917-927.	1.6	74
2512	Expression of rice heat stress transcription factor OsHsfA2e enhances tolerance to environmental stresses in transgenic <i>Arabidopsis</i> . <i>Planta</i> , 2008, 227, 957-967.	1.6	216
2513	Heterologous expression of IAP1, a seed protein from bean modified by indole-3-acetic acid, in <i>Arabidopsis thaliana</i> and <i>Medicago truncatula</i> . <i>Planta</i> , 2008, 227, 1047-1061.	1.6	13
2514	Functional conservation of the MIN plastid division homologues of <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 2008, 227, 1199-1211.	1.6	27
2515	Ubiquitous expression of two translesion synthesis DNA polymerase genes in <i>Arabidopsis</i> . <i>Planta</i> , 2008, 227, 1269-1277.	1.6	5
2516	Post-harvest regulated gene expression and splicing efficiency in storage roots of sugar beet (<i>Beta</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	7
2517	Characterization of PsMPK2, the first C1 subgroup MAP kinase from pea (<i>Pisum sativum</i> L.). <i>Planta</i> , 2008, 227, 1333-1342.	1.6	43
2518	Pepper pectin methylesterase inhibitor protein CaPMEI1 is required for antifungal activity, basal disease resistance and abiotic stress tolerance. <i>Planta</i> , 2008, 228, 61-78.	1.6	186
2519	Down-regulation of S-adenosyl-L-homocysteine hydrolase reveals a role of cytokinin in promoting transmethylation reactions. <i>Planta</i> , 2008, 228, 125-136.	1.6	43
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2523	Distinct roles of the pepper pathogen-induced membrane protein gene CaPIMP1 in bacterial disease resistance and oomycete disease susceptibility. <i>Planta</i> , 2008, 228, 485-497.	1.6	15
2524	PRD, an <i>Arabidopsis</i> AINTEGUMENTA-like gene, is involved in root architectural changes in response to phosphate starvation. <i>Planta</i> , 2008, 228, 511-522.	1.6	36
2525	The involvement of mitochondrial phosphate transporter in accelerating bud dormancy release during chilling treatment of tree peony (<i>Paeonia suffruticosa</i>). <i>Planta</i> , 2008, 228, 545-552.	1.6	24
2526	Redirection of flux through the phenylpropanoid pathway by increased glucosylation of soluble intermediates. <i>Planta</i> , 2008, 228, 609-616.	1.6	53
2527	Transcript profiling demonstrates absence of dosage compensation in <i>Arabidopsis</i> following loss of a single RPL23a paralog. <i>Planta</i> , 2008, 228, 627-640.	1.6	23

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2539	A nuclear gene encoding mitochondrial $\hat{\gamma}$ -1-pyrroline-5-carboxylate dehydrogenase and its potential role in protection from proline toxicity. <i>Plant Journal</i> , 2008, 27, 345-356.	2.8	185
2540	Expression and functional analysis of aspartate transcarbamoylase and role of de novo pyrimidine synthesis in regulation of growth and development in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2008, 46, 150-159.	2.8	32
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2562	Control of plant germline proliferation by SCFFBL17 degradation of cell cycle inhibitors. <i>Nature</i> , 2008, 455, 1134-1137.	13.7	180
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2565	Identification of a biologically active, small, secreted peptide in Arabidopsis by <i>in silico</i> gene screening, followed by LC-MS-based structure analysis. <i>Plant Journal</i> , 2008, 55, 152-160.	2.8	245
2566	Functional domains of SPATULA, a bHLH transcription factor involved in carpel and fruit development in Arabidopsis. <i>Plant Journal</i> , 2008, 55, 40-52.	2.8	72
2567	Deletion of the chloroplast-localized <i>AtTerC</i> gene product in <i>Arabidopsis thaliana</i> leads to loss of the thylakoid membrane and to seedling lethality. <i>Plant Journal</i> , 2008, 55, 428-442.	2.8	37
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2571	Molecular basis of the functional specificities of phototropin 1 and 2. <i>Plant Journal</i> , 2008, 56, 364-375.	2.8	55
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2578	Improved imaging of actin filaments in transgenic <i>Arabidopsis</i> plants expressing a green fluorescent protein fusion to the C- and N-termini of the fimbrin actin-binding domain 2. <i>New Phytologist</i> , 2008, 177, 525-536.	3.5	140
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2580	Overexpression of the tomato K^{+}/H^{+} antiporter <i>LeNHX2</i> confers salt tolerance by improving potassium compartmentalization. <i>New Phytologist</i> , 2008, 179, 366-377.	3.5	151
2581	Comparative analysis of orthologous cellulose synthase promoters from <i>Arabidopsis</i> , <i>Populus</i> and <i>Eucalyptus</i> : evidence of conserved regulatory elements in angiosperms. <i>New Phytologist</i> , 2008, 179, 722-737.	3.5	49

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2584	Overexpression of wound-responsive RNA-binding proteins induces leaf senescence and hypersensitive-like cell death. <i>New Phytologist</i> , 2008, 180, 57-70.	3.5	70
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2590	Cloning and characterization of an acyl-CoA-dependent diacylglycerol acyltransferase 1 (<i>DGAT1</i>) gene from <i>Tropaeolum majus</i> , and a study of the functional motifs of the DGAT protein using site-directed mutagenesis to modify enzyme activity and oil content. <i>Plant Biotechnology Journal</i> , 2008, 6, 799-818.	4.1	145
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2593	RcDhn5, a cold acclimation-responsive dehydrin from <i>Rhododendron catawbiense</i> rescues enzyme activity from dehydration effects in vitro and enhances freezing tolerance in <i>RcDhn5</i> -overexpressing <i>Arabidopsis</i> plants. <i>Physiologia Plantarum</i> , 2008, 134, 583-597.	2.6	78
2594	Confocal imaging of glutathione redox potential in living plant cells. <i>Journal of Microscopy</i> , 2008, 231, 299-316.	0.8	279
2595	Expression differences for genes involved in lignin, glutathione and sulphate metabolism in response to cadmium in <i>Arabidopsis thaliana</i> and the related Zn/Cd hyperaccumulator <i>Thlaspi caerulescens</i> . <i>Plant, Cell and Environment</i> , 2008, 31, 301-324.	2.8	291
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2605	Specialization of CDC27 function in the <i>Arabidopsis thaliana</i> anaphase-promoting complex (APC/C). <i>Plant Journal</i> , 2008, 53, 78-89.	2.8	74
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2889	BAX Inhibitor-1 Modulates Endoplasmic Reticulum Stress-mediated Programmed Cell Death in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2008, 283, 3200-3210.	1.6	184
2890	Three <i>PIGGYBACK</i> genes that specifically influence leaf patterning encode ribosomal proteins. <i>Development (Cambridge)</i> , 2008, 135, 1315-1324.	1.2	144
2891	EMBRYONIC FLOWER1 Participates in Polycomb Group-Mediated <i>AG</i> Gene Silencing in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2008, 20, 277-291.	3.1	174

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3386	Ferritins control interaction between iron homeostasis and oxidative stress in Arabidopsis. <i>Plant Journal</i> , 2009, 57, 400-412.	2.8	416
3387	The essential gene <i>EMB1611</i> maintains shoot apical meristem function during Arabidopsis development. <i>Plant Journal</i> , 2009, 57, 579-592.	2.8	5
3388	Regulation of ACS protein stability by cytokinin and brassinosteroid. <i>Plant Journal</i> , 2009, 57, 606-614.	2.8	186
3389	A cellâ€free system for lightâ€dependent nuclear import of phytochrome. <i>Plant Journal</i> , 2009, 57, 680-689.	2.8	28
3390	The Arabidopsis IRX10 and IRX10â€LIKE glycosyltransferases are critical for glucuronoxylan biosynthesis during secondary cell wall formation. <i>Plant Journal</i> , 2009, 57, 718-731.	2.8	243
3391	Systematic approaches to using the FOX hunting system to identify useful rice genes. <i>Plant Journal</i> , 2009, 57, 883-894.	2.8	121
3392	MERISTEMâ€DEFECTIVE, an RS domain protein, is required for the correct meristem patterning and function in Arabidopsis. <i>Plant Journal</i> , 2009, 57, 857-869.	2.8	32
3393	An important role of a BAHD acyl transferaseâ€like protein in plant innate immunity. <i>Plant Journal</i> , 2009, 57, 1040-1053.	2.8	64
3394	Identification of novel meristem factors involved in shoot regeneration through the analysis of temperatureâ€sensitive mutants of Arabidopsis. <i>Plant Journal</i> , 2009, 57, 1027-1039.	2.8	34
3395	The <i>Pseudomonas syringae</i> effector protein, AvrRPS4, requires <i>in planta</i> processing and the KRKY domain to function. <i>Plant Journal</i> , 2009, 57, 1079-1091.	2.8	60
3396	The Arabidopsis glutathione transferase gene family displays complex stress regulation and coâ€silencing multiple genes results in altered metabolic sensitivity to oxidative stress. <i>Plant Journal</i> , 2009, 58, 53-68.	2.8	237
3397	Identification of SFR6, a key component in cold acclimation acting postâ€translationally on CBF function. <i>Plant Journal</i> , 2009, 58, 97-108.	2.8	96
3398	The Arabidopsis gene <i>YS1</i> encoding a DYW protein is required for editing of <i>rpoB</i> transcripts and the rapid development of chloroplasts during early growth. <i>Plant Journal</i> , 2009, 58, 82-96.	2.8	178
3399	A BAHD acyltransferase is expressed in the tapetum of Arabidopsis anthers and is involved in the synthesis of hydroxycinnamoyl spermidines. <i>Plant Journal</i> , 2009, 58, 246-259.	2.8	171
3400	Arabidopsis MYB30 is a direct target of BES1 and cooperates with BES1 to regulate brassinosteroidâ€induced gene expression. <i>Plant Journal</i> , 2009, 58, 275-286.	2.8	228
3401	The chloroplast protein RPH1 plays a role in the immune response of Arabidopsis to <i>Phytophthora brassicae</i> . <i>Plant Journal</i> , 2009, 58, 287-298.	2.8	39
3402	Two Arabidopsis AGC kinases are critical for the polarized growth of pollen tubes. <i>Plant Journal</i> , 2009, 58, 474-484.	2.8	48

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3406	Analyses of <i>GA2ox</i> – and <i>GID1</i> –overexpressing aspen suggest that gibberellins play two distinct roles in wood formation. <i>Plant Journal</i> , 2009, 58, 989-1003.	2.8	161
3407	Activation of the heterotrimeric G protein β –subunit GPA1 suppresses the ftsh–mediated inhibition of chloroplast development in Arabidopsis. <i>Plant Journal</i> , 2009, 58, 1041-1053.	2.8	73
3408	Identification of a novel E3 ubiquitin ligase that is required for suppression of premature senescence in Arabidopsis. <i>Plant Journal</i> , 2009, 59, 39-51.	2.8	126
3409	Identification of the Arabidopsis <i>dry2/sqe1</i> mutant reveals a central role for sterols in drought tolerance and regulation of reactive oxygen species. <i>Plant Journal</i> , 2009, 59, 63-76.	2.8	114
3410	The ZIM domain mediates homo– and heteromeric interactions between Arabidopsis JAZ proteins. <i>Plant Journal</i> , 2009, 59, 77-87.	2.8	257
3411	Photosynthesis in cells around veins of the C ₃ plant <i>Arabidopsis thaliana</i> is important for both the shikimate pathway and leaf senescence as well as contributing to plant fitness. <i>Plant Journal</i> , 2009, 59, 329-343.	2.8	49
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3413	High frequency of single–copy T–DNA transformants produced by floral dip in <i>CRE</i> –expressing Arabidopsis plants. <i>Plant Journal</i> , 2009, 59, 517-527.	2.8	28
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3415	Calcium–dependent protein kinases regulate polarized tip growth in pollen tubes. <i>Plant Journal</i> , 2009, 59, 528-539.	2.8	179
3416	Arabidopsis mitogen–activated protein kinase MPK18 mediates cortical microtubule functions in plant cells. <i>Plant Journal</i> , 2009, 59, 565-575.	2.8	74
3417	PARC6, a novel chloroplast division factor, influences FtsZ assembly and is required for recruitment of PDV1 during chloroplast division in Arabidopsis. <i>Plant Journal</i> , 2009, 59, 700-711.	2.8	107
3418	The HD–ZIP IV transcription factor OCL4 is necessary for trichome patterning and anther development in maize. <i>Plant Journal</i> , 2009, 59, 883-894.	2.8	151
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3420	CVP2– and CVL1–mediated phosphoinositide signaling as a regulator of the ARF GAP SFC/VAN3 in establishment of foliar vein patterns. <i>Plant Journal</i> , 2009, 59, 895-907.	2.8	71

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3422	MULTIPOLAR SPINDLE 1 (MPS1), a novel coiled-coil protein of <i>Arabidopsis thaliana</i> , is required for meiotic spindle organization. <i>Plant Journal</i> , 2009, 59, 1001-1010.	2.8	41
3423	AtECB2, a pentatricopeptide repeat protein, is required for chloroplast transcript <i>accD</i> RNA editing and early chloroplast biogenesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2009, 59, 1011-1023.	2.8	139
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3427	Impact of segmental chromosomal duplications on leaf size in the <i>grandifolia</i> mutants of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2009, 60, 122-133.	2.8	46
3428	The T-DNA integration pattern in <i>Arabidopsis</i> transformants is highly determined by the transformed target cell. <i>Plant Journal</i> , 2009, 60, 134-145.	2.8	70
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3433	Interaction between the light quality and flowering time pathways in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 60, 257-267.	2.8	37
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3452	Elongator mediates ABA responses, oxidative stress resistance and anthocyanin biosynthesis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 60, 79-90.	2.8	105
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3455	A redox-active isopropylmalate dehydrogenase functions in the biosynthesis of glucosinolates and leucine in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 60, 679-690.	2.8	102
3456	The <i>Arabidopsis</i> SUMO E3 ligase <i>AtMMS21</i> , a homologue of <i>NSE2/MMS21</i> , regulates cell proliferation in the root. <i>Plant Journal</i> , 2009, 60, 666-678.	2.8	145

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3473	Transient transformation of sunflower leaf discs via an <i>Agrobacterium</i> -mediated method: applications for gene expression and silencing studies. <i>Nature Protocols</i> , 2009, 4, 1699-1707.	5.5	54
3474	Ectopic Overexpression of Wheat Adenosine Diphosphate Ribosylation Factor, <i>TaARF</i> , Increases Growth Rate in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2009, 51, 35-44.	4.1	10

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3490	Molecular cloning and characterization of a <i>KCS</i> gene from <i>Cardamine graeca</i> and its heterologous expression in <i>Brassica</i> oilseeds to engineer high nervonic acid oils for potential medical and industrial use. <i>Plant Biotechnology Journal</i> , 2009, 7, 925-938.	4.1	61
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3497	Analysis of expression profiles of three peroxidase genes associated with lignification in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2009, 136, 237-249.	2.6	65
3498	Molecular characterization of <i>ThIPK2</i> , an inositol polyphosphate kinase gene homolog from <i>Thellungiella halophila</i> , and its heterologous expression to improve abiotic stress tolerance in <i>Brassica napus</i> . <i>Physiologia Plantarum</i> , 2009, 136, 407-425.	2.6	26
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3514	Activation tagging of <i>ADR2</i> conveys a spreading lesion phenotype and resistance to biotrophic pathogens. <i>New Phytologist</i> , 2009, 183, 1163-1175.	3.5	23
3515	Overexpression of <i>EgROP1</i> , a <i>Eucalyptus</i> vascular-expressed Rac-like small GTPase, affects secondary xylem formation in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2009, 183, 1014-1029.	3.5	21
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3527	Flower bud dipping or vacuum infiltration—two methods of Arabidopsis thaliana transformation. <i>Russian Journal of Plant Physiology</i> , 2009, 56, 560-568.	0.5	15
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3538	SnRK1 Isoforms AKIN10 and AKIN11 Are Differentially Regulated in <i>Arabidopsis</i> Plants under Phosphate Starvation. <i>Plant Physiology</i> , 2009, 149, 1906-1916.	2.3	117
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3604	SHORT HYPOCOTYL UNDER BLUE1 Associates with <i>MINISEED3</i> and <i>HAIKU2</i> Promoters in Vivo to Regulate <i>Arabidopsis</i> Seed Development. <i>Plant Cell</i> , 2009, 21, 106-117.	3.1	180
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3706	The transcriptome of cis-jasmone-induced resistance in <i>Arabidopsis thaliana</i> and its role in indirect defence. <i>Planta</i> , 2010, 232, 1163-1180.	1.6	90
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3748	The two Arabidopsis RPS6 genes, encoding for cytoplasmic ribosomal proteins S6, are functionally equivalent. <i>Plant Molecular Biology</i> , 2010, 73, 533-546.	2.0	63
3749	Sumoylation of Arabidopsis heat shock factor A2 (HsfA2) modifies its activity during acquired thermotolerance. <i>Plant Molecular Biology</i> , 2010, 74, 33-45.	2.0	80
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3767	The gladiolus GgEXPA1 is a GA-responsive alpha-expansin gene expressed ubiquitously during expansion of all floral tissues and leaves but repressed during organ senescence. <i>Postharvest Biology and Technology</i> , 2010, 58, 48-56.	2.9	34
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3889	TIP5;1 is an aquaporin specifically targeted to pollen mitochondria and is probably involved in nitrogen remobilization in Arabidopsis thaliana. <i>Plant Journal</i> , 2010, 64, 1038-1047.	2.8	82
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3911	The plastidial glucose-6-phosphate/phosphate antiporter GPT1 is essential for morphogenesis in <i>Arabidopsis</i> embryos. <i>Plant Journal</i> , 2010, 64, no-no.	2.8	24
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3960	Plastidial Thioredoxin <i>xz</i> Interacts with Two Fructokinase-Like Proteins in a Thiol-Dependent Manner: Evidence for an Essential Role in Chloroplast Development in <i>Arabidopsis</i> and <i>Nicotiana benthamiana</i> . <i>Plant Cell</i> , 2010, 22, 1498-1515.	3.1	281
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3965	Endoreplication Controls Cell Fate Maintenance. <i>PLoS Genetics</i> , 2010, 6, e1000996.	1.5	102
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3994	<i>SHORT HYPOCOTYL UNDER BLUE1</i> Truncations and Mutations Alter Its Association with a Signaling Protein Complex in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 703-715.	3.1	31
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3998	Strategies of actin reorganisation in plant cells. <i>Journal of Cell Science</i> , 2010, 123, 3019-3028.	1.2	100
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4003	Perturbation of Indole-3-Butyric Acid Homeostasis by the UDP-Glucosyltransferase <i>UGT74E2</i> Modulates <i>Arabidopsis</i> Architecture and Water Stress Tolerance. <i>Plant Cell</i> , 2010, 22, 2660-2679.	3.1	407
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4013	Complex Assembly and Metabolic Profiling of <i>Arabidopsis thaliana</i> Plants Overexpressing Vitamin B6 Biosynthesis Proteins. <i>Molecular Plant</i> , 2010, 3, 890-903.	3.9	30
4014	The <i>Arabidopsis</i> PRC1-like ring-finger proteins are necessary for repression of embryonic traits during vegetative growth. <i>Cell Research</i> , 2010, 20, 1332-1344.	5.7	143
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4035	<i>LAP5</i> and <i>LAP6</i> Encode Anther-Specific Proteins with Similarity to Chalcone Synthase Essential for Pollen Exine Development in <i>Arabidopsis</i> . Plant Physiology, 2010, 153, 937-955.	2.3	187

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4038	Two Coupled Components of the Mitogen-Activated Protein Kinase Cascade MdMPK1 and MdMKK1 from Apple Function in ABA Signal Transduction. <i>Plant and Cell Physiology</i> , 2010, 51, 754-766.	1.5	44
4039	Three <i>Arabidopsis</i> Fatty Acyl-Coenzyme A Reductases, FAR1, FAR4, and FAR5, Generate Primary Fatty Alcohols Associated with Suberin Deposition. <i>Plant Physiology</i> , 2010, 153, 1539-1554.	2.3	227
4040	Novel Bifunctional Nucleases, OmBBD and AtBBD1, Are Involved in Abscisic Acid-Mediated Callose Deposition in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 152, 1015-1029.	2.3	20
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4042	CELL WALL INVERTASE 4 is required for nectar production in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 395-404.	2.4	127
4043	Plasma membrane-bound AGC3 kinases phosphorylate PIN auxin carriers at TPRXS(N/S) motifs to direct apical PIN recycling. <i>Development (Cambridge)</i> , 2010, 137, 3245-3255.	1.2	201
4044	A Complex Interplay of Three R2R3 MYB Transcription Factors Determines the Profile of Aliphatic Glucosinolates in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 153, 348-363.	2.3	226
4045	Systematic Localization of the <i>Arabidopsis</i> Core Cell Cycle Proteins Reveals Novel Cell Division Complexes. <i>Plant Physiology</i> , 2010, 152, 553-565.	2.3	79
4046	Strigolactones enhance competition between shoot branches by dampening auxin transport. <i>Development (Cambridge)</i> , 2010, 137, 2905-2913.	1.2	318
4047	The Purple Cauliflower Arises from Activation of a MYB Transcription Factor. <i>Plant Physiology</i> , 2010, 154, 1470-1480.	2.3	250
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4055	An Atlas of Type I MADS Box Gene Expression during Female Gametophyte and Seed Development in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 154, 287-300.	2.3	117
4056	Mutations of an α 1,6 Mannosyltransferase Inhibit Endoplasmic Reticulum-Associated Degradation of Defective Brassinosteroid Receptors in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 21, 3792-3802.	3.1	73
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4061	bZIP28 and NF-Y Transcription Factors Are Activated by ER Stress and Assemble into a Transcriptional Complex to Regulate Stress Response Genes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 782-796.	3.1	356
4062	The Stromal Chloroplast Deg7 Protease Participates in the Repair of Photosystem II after Photoinhibition in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 152, 1263-1273.	2.3	100
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4064	<i>DAY NEUTRAL FLOWERING</i> Represses <i>CONSTANS</i> to Prevent <i>Arabidopsis</i> Flowering Early in Short Days. <i>Plant Cell</i> , 2010, 22, 1118-1128.	3.1	50
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4132	Fluorescence Resonance Energy Transfer-Sensitized Emission of Yellow Cameleon 3.60 Reveals Root Zone-Specific Calcium Signatures in <i>Arabidopsis</i> in Response to Aluminum and Other Trivalent Cations. <i>Plant Physiology</i> , 2010, 152, 1442-1458.	2.3	68
4133	The Pepper 9-Lipoxygenase Gene <i>CaLOX1</i> Functions in Defense and Cell Death Responses to Microbial Pathogens. <i>Plant Physiology</i> , 2010, 152, 948-967.	2.3	179
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4301	Rice GDP dissociation inhibitor 3 inhibits OsMAPK2 activity through physical interaction. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 814-819.	1.0	8
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4307	Overexpression of HEMA1 encoding glutamyl-tRNA reductase. <i>Journal of Plant Physiology</i> , 2011, 168, 1372-1379.	1.6	33

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4313	Enhanced cytokinin degradation in leaf primordia of transgenic <i>Arabidopsis</i> plants reduces leaf size and shoot organ primordia formation. <i>Journal of Plant Physiology</i> , 2011, 168, 1328-1334.	1.6	51
4314	Influence of over-expression of cytosolic aspartate aminotransferase on amino acid metabolism and defence responses against <i>Botrytis cinerea</i> infection in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2011, 168, 1813-1819.	1.6	57
4315	GsGASA1 mediated root growth inhibition in response to chronic cold stress is marked by the accumulation of DELLAs. <i>Journal of Plant Physiology</i> , 2011, 168, 2153-2160.	1.6	49
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4435	A critical role of autophagy in plant resistance to necrotrophic fungal pathogens. <i>Plant Journal</i> , 2011, 66, 953-968.	2.8	240
4436	<i>Arabidopsis</i> metacaspase-2d is a positive mediator of cell death induced during biotic and abiotic stresses. <i>Plant Journal</i> , 2011, 66, 969-982.	2.8	144
4437	Overlapping and antagonistic activities of <i>BASIC PENTACYSTEINE</i> genes affect a range of developmental processes in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 66, 1020-1031.	2.8	72
4438	Proteasome-mediated turnover of the transcriptional activator FIT is required for plant iron deficiency responses. <i>Plant Journal</i> , 2011, 66, 1044-1052.	2.8	112
4439	Functional interaction of the circadian clock and UV RESISTANCE LOCUS8-controlled UV signaling pathways in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 67, 37-48.	2.8	109
4440	Vascular expression in <i>Arabidopsis</i> is predicted by the frequency of CT/GA-rich repeats in gene promoters. <i>Plant Journal</i> , 2011, 67, 130-144.	2.8	24
4441	<i>TREHALOSE PHOSPHATE SYNTHASE11</i> -dependent trehalose metabolism promotes <i>Arabidopsis thaliana</i> defense against the phloem-feeding insect <i>Myzus persicae</i> . <i>Plant Journal</i> , 2011, 67, 94-104.	2.8	127
4442	The specificity of cytokinin signalling in <i>Arabidopsis thaliana</i> is mediated by differing ligand affinities and expression profiles of the receptors. <i>Plant Journal</i> , 2011, 67, 157-168.	2.8	137
4443	Malate transport by the vacuolar AtALMT6 channel in guard cells is subject to multiple regulation. <i>Plant Journal</i> , 2011, 67, 247-257.	2.8	143
4444	OVATE FAMILY PROTEIN4 (OFP4) interaction with KNAT7 regulates secondary cell wall formation in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 67, 328-341.	2.8	151
4445	Control of root hair development in <i>Arabidopsis thaliana</i> by an endoplasmic reticulum anchored member of the R2R3-MYB transcription factor family. <i>Plant Journal</i> , 2011, 67, 395-405.	2.8	40
4446	A mitochondrial GABA permease connects the GABA shunt and the TCA cycle, and is essential for normal carbon metabolism. <i>Plant Journal</i> , 2011, 67, 485-498.	2.8	160
4447	A NAC domain protein family contributing to the regulation of wood formation in poplar. <i>Plant Journal</i> , 2011, 67, 499-512.	2.8	182
4448	Hyperactivation of the TCP4 transcription factor in <i>Arabidopsis thaliana</i> accelerates multiple aspects of plant maturation. <i>Plant Journal</i> , 2011, 67, 595-607.	2.8	144
4449	<i>LOV KELCH PROTEIN2</i> and <i>ZEITLUPE</i> repress <i>Arabidopsis</i> photoperiodic flowering under non-inductive conditions, dependent on <i>FLAVIN-BINDING KELCH REPEAT F1</i> and <i>BOX1</i> . <i>Plant Journal</i> , 2011, 67, 608-621.	2.8	75
4450	STARTS – A stable root transformation system for rapid functional analyses of proteins of the monocot model plant barley. <i>Plant Journal</i> , 2011, 67, 726-735.	2.8	33
4451	Pepper asparagine synthetase 1 (<i>CaAS1</i>) is required for plant nitrogen assimilation and defense responses to microbial pathogens. <i>Plant Journal</i> , 2011, 67, 749-762.	2.8	89

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4452	<i>PHOSPHATIDYLSERINE SYNTHASE1</i> is required for microspore development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 67, 648-661.	2.8	81
4453	The <i>Arabidopsis thaliana</i> aquaporin AtPIP1;2 is a physiologically relevant CO ₂ transport facilitator. <i>Plant Journal</i> , 2011, 67, 795-804.	2.8	177
4454	<i>Arabidopsis ENHANCED DISEASE RESISTANCE 1</i> is required for pathogen-induced expression of plant defensins in nonhost resistance, and acts through interference of MYC2-mediated repressor function. <i>Plant Journal</i> , 2011, 67, 980-992.	2.8	74
4455	NIMA-related kinases 6, 4, and 5 interact with each other to regulate microtubule organization during epidermal cell expansion in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 67, 993-1005.	2.8	41
4456	The <i>Arabidopsis</i> <i>SOC1</i> -like genes <i>AGL42</i> , <i>AGL71</i> and <i>AGL72</i> promote flowering in the shoot apical and axillary meristems. <i>Plant Journal</i> , 2011, 67, 1006-1017.	2.8	117
4457	BON1 interacts with the protein kinases BIR1 and BAK1 in modulation of temperature-dependent plant growth and cell death in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 67, 1081-1093.	2.8	76
4458	Induction of telomere-mediated chromosomal truncation and stability of truncated chromosomes in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 68, 28-39.	2.8	44
4459	Knockdown of CENH3 in <i>Arabidopsis</i> reduces mitotic divisions and causes sterility by disturbed meiotic chromosome segregation. <i>Plant Journal</i> , 2011, 68, 40-50.	2.8	94
4460	ATG2, an autophagy-related protein, negatively affects powdery mildew resistance and mildew-induced cell death in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 74-87.	2.8	140
4461	TCP14 and TCP15 affect internode length and leaf shape in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 147-158.	2.8	261
4462	MTR4, a putative RNA helicase and exosome cofactor, is required for proper rRNA biogenesis and development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 68, 51-63.	2.8	93
4463	Intron splicing suppresses RNA silencing in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 159-167.	2.8	93
4464	The MADS box gene, <i>FOREVER YOUNG FLOWER</i> , acts as a repressor controlling floral organ senescence and abscission in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 168-185.	2.8	104
4465	Cytokinin antagonizes ABA suppression to seed germination of <i>Arabidopsis</i> by downregulating ABI5 expression. <i>Plant Journal</i> , 2011, 68, 249-261.	2.8	229
4466	The APC/C <i>subunit 10</i> plays an essential role in cell proliferation during leaf development. <i>Plant Journal</i> , 2011, 68, 351-363.	2.8	99
4467	Specific expression of <i>LATERAL SUPPRESSOR</i> is controlled by an evolutionarily conserved 3 rd enhancer. <i>Plant Journal</i> , 2011, 68, 400-412.	2.8	27
4468	AtHaspin phosphorylates histone H3 at threonine 3 during mitosis and contributes to embryonic patterning in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 443-454.	2.8	28
4469	The <i>Arabidopsis</i> extracellular UNUSUAL SERINE PROTEASE INHIBITOR functions in resistance to necrotrophic fungi and insect herbivory. <i>Plant Journal</i> , 2011, 68, 480-494.	2.8	54

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4471	A cellular expression map of the <i>Arabidopsis</i> AUXIN RESPONSE FACTOR gene family. <i>Plant Journal</i> , 2011, 68, 597-606.	2.8	192
4472	<i>The Plant Journal</i> turns twenty. <i>Plant Journal</i> , 2011, 67, 567-569.	2.8	0
4473	<i>Arabidopsis thaliana</i> GEX1 has dual functions in gametophyte development and early embryogenesis. <i>Plant Journal</i> , 2011, 68, 620-632.	2.8	37
4474	The E2F transcription factor family regulates CENH3 expression in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 68, 646-656.	2.8	40
4475	LATE, a C ₂ H ₂ zinc finger protein that acts as floral repressor. <i>Plant Journal</i> , 2011, 68, 681-692.	2.8	36
4476	The <i>Arabidopsis</i> MERISTEM DISORGANIZATION 1 gene is required for the maintenance of stem cells through the reduction of DNA damage. <i>Plant Journal</i> , 2011, 68, 657-669.	2.8	31
4477	Combined activity of LACS1 and LACS4 is required for proper pollen coat formation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 715-726.	2.8	98
4478	<i>Arabidopsis</i> RUGOSA2 encodes an mTERF family member required for mitochondrion, chloroplast and leaf development. <i>Plant Journal</i> , 2011, 68, 738-753.	2.8	79
4479	ANGUSTIFOLIA, a plant homolog of CtBP/BARS, functions outside the nucleus. <i>Plant Journal</i> , 2011, 68, 788-799.	2.8	34
4480	NIMA-related kinase NEK6 affects plant growth and stress response in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 830-843.	2.8	31
4481	Functional anatomy of the <i>Arabidopsis</i> cytokinesis-specific syntaxin KNOLLE. <i>Plant Journal</i> , 2011, 68, 755-764.	2.8	22
4482	Localized egg cell expression of effector proteins for targeted modification of the <i>Arabidopsis</i> genome. <i>Plant Journal</i> , 2011, 68, 929-937.	2.8	59
4483	Overexpression of <i>Arabidopsis thaliana</i> PTEN caused accumulation of autophagic bodies in pollen tubes by disrupting phosphatidylinositol 3-phosphate dynamics. <i>Plant Journal</i> , 2011, 68, 1081-1092.	2.8	40
4484	NAC domain function and transcriptional control of a secondary cell wall master switch. <i>Plant Journal</i> , 2011, 68, 1104-1114.	2.8	112
4485	Specific delivery of AtBT1 to mitochondria complements the aberrant growth and sterility phenotype of homozygous <i>Atbt1</i> <i>Arabidopsis</i> mutants. <i>Plant Journal</i> , 2011, 68, 1115-1121.	2.8	29
4486	Identification of potential host plant mimics of CLAVATA3/ESR (CLE)-like peptides from the plant-parasitic nematode <i>Heterodera schachtii</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 177-186.	2.0	95
4487	Extracellular invertase is involved in the regulation of clubroot disease in <i>Arabidopsis thaliana</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 247-262.	2.0	91

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4488	Physical association of pattern-triggered immunity (PTI) and effector-triggered immunity (ETI) immune receptors in <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 702-708.	2.0	91
4489	Negative regulation of defence signalling pathways by the EDR1 protein kinase. <i>Molecular Plant Pathology</i> , 2011, 12, 746-758.	2.0	30
4490	Mining the plant-herbivore interface with a leafmining <i>Drosophila</i> of <i>Arabidopsis</i> . <i>Molecular Ecology</i> , 2011, 20, 995-1014.	2.0	68
4491	Sequence and function of basic helix-loop-helix proteins required for stomatal development in <i>Arabidopsis</i> are deeply conserved in land plants. <i>Evolution & Development</i> , 2011, 13, 182-192.	1.1	93
4492	Functional characterization of <i>Arabidopsis thaliana</i> isopropylmalate dehydrogenases reveals their important roles in gametophyte development. <i>New Phytologist</i> , 2011, 189, 160-175.	3.5	39
4493	Possible contributions of <i>TERMINAL FLOWER 1</i> to the evolution of rosette flowering in <i>Leavenworthia</i> (Brassicaceae). <i>New Phytologist</i> , 2011, 189, 616-628.	3.5	9
4494	Mitogen-activated protein kinase 4 is involved in the regulation of mitotic and cytokinetic microtubule transitions in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2011, 189, 1069-1083.	3.5	135
4495	<i>AtCPL5</i> , a novel Ser ² -specific RNA polymerase II C-terminal domain phosphatase, positively regulates ABA and drought responses in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2011, 190, 57-74.	3.5	22
4496	The <i>Arabidopsis</i> ABCG13 transporter is required for flower cuticle secretion and patterning of the petal epidermis. <i>New Phytologist</i> , 2011, 190, 113-124.	3.5	129
4497	Involvement of miR169 in the nitrogen-starvation responses in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2011, 190, 906-915.	3.5	317
4498	Different roles of Enhanced Disease Susceptibility1 (EDS1) bound to and dissociated from Phytoalexin Deficient4 (PAD4) in <i>Arabidopsis</i> immunity. <i>New Phytologist</i> , 2011, 191, 107-119.	3.5	206
4499	Gibberellin biosynthesis and signalling during development of the strawberry receptacle. <i>New Phytologist</i> , 2011, 191, 376-390.	3.5	110
4500	Rice A20/AN1 zinc-finger containing stress-associated proteins (SAP1/11) and a receptor-like cytoplasmic kinase (OsRLCK253) interact via A20 zinc-finger and confer abiotic stress tolerance in transgenic <i>Arabidopsis</i> plants. <i>New Phytologist</i> , 2011, 191, 721-732.	3.5	171
4501	The <i>Arabidopsis</i> aminopeptidase LAP2 regulates plant growth, leaf longevity and stress response. <i>New Phytologist</i> , 2011, 191, 958-969.	3.5	30
4502	OsSFR6 is a functional rice orthologue of SENSITIVE TO FREEZING6 and can act as a regulator of <i>COR</i> gene expression, osmotic stress and freezing tolerance in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2011, 191, 984-995.	3.5	29
4503	The <i>Arabidopsis</i> Ca ²⁺ -dependent protein kinase CPK12 negatively regulates abscisic acid signaling in seed germination and post-germination growth. <i>New Phytologist</i> , 2011, 192, 61-73.	3.5	121
4504	Identification of pectin methylesterase 3 as a basic pectin methylesterase isoform involved in adventitious rooting in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2011, 192, 114-126.	3.5	67
4505	ADS1 encodes a MATE-transporter that negatively regulates plant disease resistance. <i>New Phytologist</i> , 2011, 192, 471-482.	3.5	62

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4507	The mitochondrial protein frataxin is essential for heme biosynthesis in plants. <i>FEBS Journal</i> , 2011, 278, 470-481.	2.2	37
4508	The <i>Arabidopsis</i> protein kinase Pto1 is a common target of the oxidative signal-inducible 1 and mitogen-activated protein kinases. <i>FEBS Journal</i> , 2011, 278, 1126-1136.	2.2	50
4509	A DEXD/H box RNA helicase is important for K ⁺ deprivation responses and tolerance in <i>Arabidopsis thaliana</i> . <i>FEBS Journal</i> , 2011, 278, 2296-2306.	2.2	28
4510	A protein oxidase catalysing disulfide bond formation is localized to the chloroplast thylakoids. <i>FEBS Journal</i> , 2011, 278, 3419-3430.	2.2	44
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4512	A Point Mutation in the Pentatricopeptide repeat Motif of the AtECB2 Protein Causes Delayed Chloroplast Development. <i>Journal of Integrative Plant Biology</i> , 2011, 53, 258-269.	4.1	32
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4514	Mechanisms and Effects of Retention of Overexpressed Aquaporin AtPIP2;1 in the Endoplasmic Reticulum. <i>Traffic</i> , 2011, 12, 473-482.	1.3	63
4515	Mechanisms of Functional Specificity Among Plasma Membrane Syntaxins in <i>Arabidopsis</i> . <i>Traffic</i> , 2011, 12, 1269-1280.	1.3	80
4516	Auxin triggers a genetic switch. <i>Nature Cell Biology</i> , 2011, 13, 611-615.	4.6	108
4517	Expression patterns of two <i>Arabidopsis</i> endo-1,4-glucanase genes (At3g43860, At4g39000) in reproductive development. <i>Molecular Biology</i> , 2011, 45, 458-465.	0.4	7
4518	The conserved factor DE-ETIOLATED 1 cooperates with CUL4-DDB1-DDB2 to maintain genome integrity upon UV stress. <i>EMBO Journal</i> , 2011, 30, 1162-1172.	3.5	47
4519	Central functions of bicarbonate in S-type anion channel activation and OST1 protein kinase in CO ₂ signal transduction in guard cell. <i>EMBO Journal</i> , 2011, 30, 1645-1658.	3.5	167
4520	A novel protein family mediates Casparian strip formation in the endodermis. <i>Nature</i> , 2011, 473, 380-383.	13.7	353
4521	Elevated expression of <i>TcHMA3</i> plays a key role in the extreme Cd tolerance in a Cd-hyperaccumulating ecotype of <i>Thlaspi caerulescens</i> . <i>Plant Journal</i> , 2011, 66, 852-862.	2.8	209
4522	AtHsp70 ¹⁵ deficient <i>Arabidopsis</i> plants are characterized by reduced growth, a constitutive cytosolic protein response and enhanced resistance to TuMV. <i>Plant Journal</i> , 2011, 66, 983-995.	2.8	101
4523	Targeted manipulation of leaf form via local growth repression. <i>Plant Journal</i> , 2011, 66, 941-952.	2.8	29

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4525	The hypoxia responsive transcription factor genes <i>ERF71/HRE2</i> and <i>ERF73/HRE1</i> of <i>Arabidopsis</i> are differentially regulated by ethylene. <i>Physiologia Plantarum</i> , 2011, 143, 41-49.	2.6	73
4526	Stability of AtVSP in the insect digestive canal determines its defensive capability. <i>Journal of Insect Physiology</i> , 2011, 57, 391-399.	0.9	7
4527	Differential in vitro and in vivo effect of barley cysteine and serine protease inhibitors on phytopathogenic microorganisms. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1191-1200.	2.8	23
4528	cDNA cloning and functional characterization of ETHYLENE INSENSITIVE 3 orthologs from <i>Oncidium Gower Ramsey</i> involved in flower cutting and pollinia cap dislodgement. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1209-1219.	2.8	4
4529	The promoter of a plant defensin gene directs specific expression in nematode-induced syncytia in <i>Arabidopsis</i> roots. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1100-1107.	2.8	21
4530	Deletion analysis of the 3â€² long terminal repeat sequence of plant retrotransposon Tto1 identifies 125 base pairs redundancy as sufficient for first strand transfer. <i>Virology</i> , 2011, 412, 75-82.	1.1	1
4531	Transformation of <i>Botrytis cinerea</i> by direct hyphal blasting or by wound-mediated transformation of sclerotia. <i>BMC Microbiology</i> , 2011, 11, 266.	1.3	9
4532	The <i>Arabidopsis</i> translocator protein (AtTSPO) is regulated at multiple levels in response to salt stress and perturbations in tetrapyrrole metabolism. <i>BMC Plant Biology</i> , 2011, 11, 108.	1.6	42
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4535	Identification and characterization of flowering genes in kiwifruit: sequence conservation and role in kiwifruit flower development. <i>BMC Plant Biology</i> , 2011, 11, 72.	1.6	43
4536	Identification and characterization of plant Haspin kinase as a histone H3 threonine kinase. <i>BMC Plant Biology</i> , 2011, 11, 73.	1.6	36
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4547	<i>TaSRG</i> , a wheat transcription factor, significantly affects salt tolerance in transgenic rice and Arabidopsis. <i>FEBS Letters</i> , 2011, 585, 1231-1237.	1.3	48
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4561	Cloning, characterization, and expression of the BjEXPA1 gene and its promoter region from <i>Brassica juncea</i> L.. <i>Plant Growth Regulation</i> , 2011, 64, 39-51.	1.8	14
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4570	Direct targets of the transcription factors ABA-Insensitive(ABI)4 and ABI5 reveal synergistic action by ABI4 and several bZIP ABA response factors. <i>Plant Molecular Biology</i> , 2011, 75, 347-363.	2.0	142
4571	Cis-cinnamic acid-enhanced 1 gene plays a role in regulation of <i>Arabidopsis</i> bolting. <i>Plant Molecular Biology</i> , 2011, 75, 481-495.	2.0	45
4572	AXR1-ECR1 and AXL1-ECR1 heterodimeric RUB-activating enzymes diverge in function in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2011, 75, 515-526.	2.0	16
4573	miR172 signals are incorporated into the miR156 signaling pathway at the SPL3/4/5 genes in <i>Arabidopsis</i> developmental transitions. <i>Plant Molecular Biology</i> , 2011, 76, 35-45.	2.0	177
4574	Ectopic expression of the <i>Arabidopsis</i> MINI ZINC FINGER1 and MIF3 genes induces shoot meristems on leaf margins. <i>Plant Molecular Biology</i> , 2011, 76, 57-68.	2.0	18
4575	A role for <i>Arabidopsis</i> dynamin related proteins DRP2A/B in endocytosis; DRP2 function is essential for plant growth. <i>Plant Molecular Biology</i> , 2011, 76, 117-129.	2.0	42
4576	Molecular cloning and functional characterization of genes associated with flowering in citrus using an early-flowering trifoliolate orange (<i>Poncirus trifoliata</i> L. Raf.) mutant. <i>Plant Molecular Biology</i> , 2011, 76, 187-204.	2.0	19
4577	A cotton group C MAP kinase gene, GhMPK2, positively regulates salt and drought tolerance in tobacco. <i>Plant Molecular Biology</i> , 2011, 77, 17-31.	2.0	121

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4579	A dual role for MYB60 in stomatal regulation and root growth of Arabidopsis thaliana under drought stress. <i>Plant Molecular Biology</i> , 2011, 77, 91-103.	2.0	138
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4581	Post-synthetic modification of plant cell walls by expression of microbial hydrolases in the apoplast. <i>Plant Molecular Biology</i> , 2011, 77, 433-445.	2.0	50
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4588	About the role of CK2 in plant signal transduction. <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 233-240.	1.4	14
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4590	Ectopic expression of a grapevine transcription factor VvWRKY11 contributes to osmotic stress tolerance in Arabidopsis. <i>Molecular Biology Reports</i> , 2011, 38, 417-427.	1.0	93
4591	Molecular analysis of a homogentisate phytyltransferase gene from Lactuca sativa L.. <i>Molecular Biology Reports</i> , 2011, 38, 1813-1819.	1.0	11
4592	Molecular characterization and functional analysis of a vacuolar Na ⁺ /H ⁺ antiporter gene (HcNHX1) from Halostachys caspica. <i>Molecular Biology Reports</i> , 2011, 38, 1889-1899.	1.0	66
4593	Isolation and characterization of two putative cytokinin oxidase genes related to grain number per spike phenotype in wheat. <i>Molecular Biology Reports</i> , 2011, 38, 2337-2347.	1.0	56
4594	Functional characterization of a plasma membrane Na ⁺ /H ⁺ antiporter from alkali grass (Puccinellia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	33
4595	Over-expression of mango (Mangifera indica L.) MiARF2 inhibits root and hypocotyl growth of Arabidopsis. <i>Molecular Biology Reports</i> , 2011, 38, 3189-3194.	1.0	16

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4597	A putative maize zinc-finger protein gene, ZmAN13, participates in abiotic stress response. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 107, 101-112.	1.2	34
4598	A barley cysteine-proteinase inhibitor reduces the performance of two aphid species in artificial diets and transgenic <i>Arabidopsis</i> plants. <i>Transgenic Research</i> , 2011, 20, 305-319.	1.3	91
4599	Expression of the Beet necrotic yellow vein virus p25 protein induces hormonal changes and a root branching phenotype in <i>Arabidopsis thaliana</i> . <i>Transgenic Research</i> , 2011, 20, 443-466.	1.3	30
4600	DBB1a, involved in gibberellin homeostasis, functions as a negative regulator of blue light-mediated hypocotyl elongation in <i>Arabidopsis</i> . <i>Planta</i> , 2011, 233, 13-23.	1.6	50
4601	Dwarf apple MbDREB1 enhances plant tolerance to low temperature, drought, and salt stress via both ABA-dependent and ABA-independent pathways. <i>Planta</i> , 2011, 233, 219-229.	1.6	232
4602	Distinct roles for <i>Arabidopsis</i> SUMO protease ESD4 and its closest homolog ELS1. <i>Planta</i> , 2011, 233, 63-73.	1.6	52
4603	An <i>Arabidopsis</i> senescence-associated protein SAG29 regulates cell viability under high salinity. <i>Planta</i> , 2011, 233, 189-200.	1.6	170
4604	Betaine aldehyde dehydrogenase genes from <i>Arabidopsis</i> with different sub-cellular localization affect stress responses. <i>Planta</i> , 2011, 233, 369-382.	1.6	106
4605	The laccase multigene family in <i>Arabidopsis thaliana</i> : towards addressing the mystery of their gene function(s). <i>Planta</i> , 2011, 233, 439-470.	1.6	162
4606	Migration of sperm cells during pollen tube elongation in <i>Arabidopsis thaliana</i> : behavior during transport, maturation and upon dissociation of male germ unit associations. <i>Planta</i> , 2011, 233, 325-332.	1.6	20
4607	Novel spatial expression of soybean WUSCHEL in the incipient floral primordia. <i>Planta</i> , 2011, 233, 553-560.	1.6	15
4608	AtAGP18 is localized at the plasma membrane and functions in plant growth and development. <i>Planta</i> , 2011, 233, 675-683.	1.6	28
4609	Transcriptional control of aspartate kinase expression during darkness and sugar depletion in <i>Arabidopsis</i> : involvement of bZIP transcription factors. <i>Planta</i> , 2011, 233, 1025-1040.	1.6	11
4610	<i>Arabidopsis thaliana</i> WRKY25, WRKY26, and WRKY33 coordinate induction of plant thermotolerance. <i>Planta</i> , 2011, 233, 1237-1252.	1.6	404
4611	Wheat vacuolar H ⁺ -ATPase subunit B cloning and its involvement in salt tolerance. <i>Planta</i> , 2011, 234, 1-7.	1.6	35
4612	A novel rice calmodulin-like gene, OsMSR2, enhances drought and salt tolerance and increases ABA sensitivity in <i>Arabidopsis</i> . <i>Planta</i> , 2011, 234, 47-59.	1.6	189
4613	Regulation of multiple aquaporin genes in <i>Arabidopsis</i> by a pair of recently duplicated DREB transcription factors. <i>Planta</i> , 2011, 234, 429-444.	1.6	85

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4618	A pomegranate (<i>Punica granatum</i> L.) WD40-repeat gene is a functional homologue of <i>Arabidopsis</i> TTG1 and is involved in the regulation of anthocyanin biosynthesis during pomegranate fruit development. <i>Planta</i> , 2011, 234, 865-881.	1.6	100
4619	The alleles at the E1 locus impact the expression pattern of two soybean FT-like genes shown to induce flowering in <i>Arabidopsis</i> . <i>Planta</i> , 2011, 234, 933-943.	1.6	36
4620	Rice CYP734A cytochrome P450s inactivate brassinosteroids in <i>Arabidopsis</i> . <i>Planta</i> , 2011, 234, 1151-1162.	1.6	26
4621	The paleoAP3-type gene CpAP3, an ancestral B-class gene from the basal angiosperm <i>Chimonanthus praecox</i> , can affect stamen and petal development in higher eudicots. <i>Development Genes and Evolution</i> , 2011, 221, 83-93.	0.4	12
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4624	Activation of a Mitochondrial ATPase Gene Induces Abnormal Seed Development in <i>Arabidopsis</i> . <i>Molecules and Cells</i> , 2011, 31, 361-370.	1.0	20
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4627	Identification and Molecular Properties of SUMO-Binding Proteins in <i>Arabidopsis</i> . <i>Molecules and Cells</i> , 2011, 32, 143-152.	1.0	39
4628	Expression and functions of myo-inositol monophosphatase family genes in seed development of <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 2011, 124, 385-394.	1.2	25
4629	Mg-chelatase H subunit affects ABA signaling in stomatal guard cells, but is not an ABA receptor in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2011, 124, 527-538.	1.2	73
4630	MIRO1 influences the morphology and intracellular distribution of mitochondria during embryonic cell division in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2011, 30, 239-244.	2.8	38
4631	Overexpression of the <i>Brassica napus</i> BnLAS gene in <i>Arabidopsis</i> affects plant development and increases drought tolerance. <i>Plant Cell Reports</i> , 2011, 30, 373-388.	2.8	64

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4633	Genetic engineering of radish: current achievements and future goals. <i>Plant Cell Reports</i> , 2011, 30, 733-744.	2.8	23
4634	Highly efficient <i>Agrobacterium</i> -mediated transformation of banana cv. Rasthali (AAB) via sonication and vacuum infiltration. <i>Plant Cell Reports</i> , 2011, 30, 425-436.	2.8	83
4635	Isolation and characterization of a chlorophyll degradation regulatory gene from tall fescue. <i>Plant Cell Reports</i> , 2011, 30, 1201-1207.	2.8	35
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4637	Identification of a UDP-glucose pyrophosphorylase from cotton (<i>Gossypium hirsutum</i> L.) involved in cellulose biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2011, 30, 1303-1312.	2.8	62
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4643	Improved <i>Agrobacterium</i> -mediated transformation of cowpea via sonication and vacuum infiltration. <i>Plant Cell Reports</i> , 2011, 30, 2281-2292.	2.8	85
4644	The AGL6-like Gene CpAGL6, a Potential Regulator of Floral Time and Organ Identity in Wintersweet (<i>Chimonanthus praecox</i>). <i>Journal of Plant Growth Regulation</i> , 2011, 30, 343-352.	2.8	23
4645	Capillary electrophoresis-mass spectrometry analysis of trehalose-6-phosphate in <i>Arabidopsis thaliana</i> seedlings. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1137-1144.	1.9	17
4646	Controlled silencing of 4-coumarate:CoA ligase alters lignocellulose composition without affecting stem growth. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 103-109.	2.8	33
4647	Investigations on N-rich protein (NRP) of <i>Arabidopsis thaliana</i> under different stress conditions. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 293-302.	2.8	21
4648	Transcriptionally and phylogenetically analyzing the P protein gene of glycine decarboxylase for understanding the evolution of C3 and C4 species in Brassicaceae. <i>Horticulture Environment and Biotechnology</i> , 2011, 52, 427-434.	0.7	1
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4653	Rhizobia species: A Boon for "Plant Genetic Engineering". <i>Indian Journal of Microbiology</i> , 2011, 51, 521-527.	1.5	10
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4655	Rice Gene OsDSR-1 Promotes Lateral Root Development in <i>Arabidopsis</i> Under High-Potassium Conditions. <i>Journal of Plant Biology</i> , 2011, 54, 180-189.	0.9	16
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4659	Functional analysis of tomato LeEIL1 in an <i>Arabidopsis ein2</i> mutant. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 489-496.	1.0	1
4660	GhMPK16, a novel stress-responsive group D MAPK gene from cotton, is involved in disease resistance and drought sensitivity. <i>BMC Molecular Biology</i> , 2011, 12, 22.	3.0	92
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4664	Role of TRIPTYCHON in trichome patterning in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2011, 11, 130.	1.6	55
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4687	Loss-of-Function and Gain-of-Function Mutations in <i>FAB1A</i> / <i>B</i> Impair Endomembrane Homeostasis, Conferring Pleiotropic Developmental Abnormalities in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 155, 797-807.	2.3	73
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4689	Glutathione Deficiency of the <i>Arabidopsis</i> Mutant <i>pad2-1</i> Affects Oxidative Stress-Related Events, Defense Gene Expression, and the Hypersensitive Response. <i>Plant Physiology</i> , 2011, 157, 2000-2012.	2.3	90
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4691	<i>Arabidopsis</i> peroxidase <i>AtPRX53</i> influences cell elongation and susceptibility to <i>Heterodera schachtii</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 1778-1786.	1.2	30
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4693	Identification of an <i>Arabidopsis</i> Plasma Membrane-located ATP Transporter Important for Anther Development. <i>Plant Cell</i> , 2011, 23, 1932-1944.	3.1	63
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4700	<i>cis</i> - and <i>trans</i> -Regulation of miR163 and Target Genes Confers Natural Variation of Secondary Metabolites in Two <i>Arabidopsis</i> Species and Their Allopolyploids. <i>Plant Cell</i> , 2011, 23, 1729-1740.	3.1	121
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4702	Identification and characterization of the <i>Arabidopsis</i> FG-repeat nucleoporin Nup62. <i>Plant Signaling and Behavior</i> , 2011, 6, 330-334.	1.2	27
4703	The <i>Arabidopsis</i> bHLH Transcription Factors MYC3 and MYC4 Are Targets of JAZ Repressors and Act Additively with MYC2 in the Activation of Jasmonate Responses. <i>Plant Cell</i> , 2011, 23, 701-715.	3.1	906

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4705	Genetic and Genomic Evidence That Sucrose Is a Global Regulator of Plant Responses to Phosphate Starvation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 156, 1116-1130.	2.3	183
4706	<i>Arabidopsis</i> TERMINAL FLOWER1 Is Involved in the Regulation of Flowering Time and Inflorescence Development through Transcriptional Repression. <i>Plant Cell</i> , 2011, 23, 3172-3184.	3.1	320
4707	Two Sec13p Homologs, AtSec13A and AtSec13B, Redundantly Contribute to the Formation of COPII Transport Vesicles in <i>Arabidopsis thaliana</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1848-1852.	0.6	51
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4709	Proteomics and Functional Analyses of Pepper <i>Abcisic Acid</i> -Responsive 1 (<i>ABR1</i>), Which Is Involved in Cell Death and Defense Signaling. <i>Plant Cell</i> , 2011, 23, 823-842.	3.1	147
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4715	The <i>Arabidopsis</i> D-Type Cyclin <i>CYCD2;1</i> and the Inhibitor <i>ICK2/KRP2</i> Modulate Auxin-Induced Lateral Root Formation. <i>Plant Cell</i> , 2011, 23, 641-660.	3.1	111
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4717	Cell Fate in the <i>Arabidopsis</i> Root Epidermis Is Determined by Competition between <i>WEREWOLF</i> and <i>CAPRICE</i> . <i>Plant Physiology</i> , 2011, 157, 1196-1208.	2.3	86
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4719	The <i>Arabidopsis</i> class I TCP transcription factor <i>AtTCP11</i> is a developmental regulator with distinct DNA-binding properties due to the presence of a threonine residue at position 15 of the TCP domain. <i>Biochemical Journal</i> , 2011, 435, 143-155.	1.7	78
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4721	Two Novel Proteins, <i>MRL7</i> and Its Paralog <i>MRL7-L</i> , Have Essential but Functionally Distinct Roles in Chloroplast Development and Are Involved in Plastid Gene Expression Regulation in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2011, 52, 1017-1030.	1.5	38

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4723	Endoplasmic Reticulum-Located PDAT1-2 from Castor Bean Enhances Hydroxy Fatty Acid Accumulation in Transgenic Plants. <i>Plant and Cell Physiology</i> , 2011, 52, 983-993.	1.5	101
4724	Phytoplasma Effector SAP54 Induces Indeterminate Leaf-Like Flower Development in <i>Arabidopsis</i> Plants. <i>Plant Physiology</i> , 2011, 157, 831-841.	2.3	224
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4739	Endoplasmic Reticulum and Golgi-Localized Phospholipase A2 Plays Critical Roles in <i>Arabidopsis</i> Pollen Development and Germination. <i>Plant Cell</i> , 2011, 23, 94-110.	3.1	76

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4757	Lumen Thiol Oxidoreductase1, a Disulfide Bond-Forming Catalyst, Is Required for the Assembly of Photosystem II in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 4462-4475.	3.1	87

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4774	Mutations in <i>MYB3R1</i> and <i>MYB3R4</i> Cause Pleiotropic Developmental Defects and Preferential Down-Regulation of Multiple G2/M-Specific Genes in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 157, 706-717.	2.3	120
4775	Disruption of <i>LACCASE4</i> and <i>17</i> Results in Tissue-Specific Alterations to Lignification of <i>Arabidopsis thaliana</i> Stems. <i>Plant Cell</i> , 2011, 23, 1124-1137.	3.1	450

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4781	Plants contain two <i>SCO</i> proteins that are differentially involved in cytochrome c oxidase function and copper and redox homeostasis. <i>Journal of Experimental Botany</i> , 2011, 62, 4281-4294.	2.4	49
4782	<i>SUPPRESSOR OF VARIATION4</i> , a New var2 Suppressor Locus, Encodes a Pioneer Protein that Is Required for Chloroplast Biogenesis. <i>Molecular Plant</i> , 2011, 4, 229-240.	3.9	43
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4787	<i>EMF1</i> Interacts with <i>EIP1</i> , <i>EIP6</i> or <i>EIP9</i> Involved in the Regulation of Flowering Time in Arabidopsis. <i>Plant and Cell Physiology</i> , 2011, 52, 1376-1388.	1.5	71
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4791	Coupling Virus-Induced Gene Silencing to Exogenous <i>Green Fluorescence Protein</i> Expression Provides a Highly Efficient System for Functional Genomics in Arabidopsis and across All Stages of Tomato Fruit Development. <i>Plant Physiology</i> , 2011, 156, 1278-1291.	2.3	44
4792	Interfamily Transfer of Tomato <i>Ve1</i> Mediates <i>Verticillium</i> Resistance in Arabidopsis. <i>Plant Physiology</i> , 2011, 156, 2255-2265.	2.3	250
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4795	Oxidative DNA Damage Bypass in <i>Arabidopsis thaliana</i> Requires DNA Polymerase $\hat{\nu}$ and Proliferating Cell Nuclear Antigen 2. <i>Plant Cell</i> , 2011, 23, 806-822.	3.1	47
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4797	Single-Molecule Analysis of PIP2;1 Dynamics and Partitioning Reveals Multiple Modes of <i>Arabidopsis</i> Plasma Membrane Aquaporin Regulation \hat{A} . <i>Plant Cell</i> , 2011, 23, 3780-3797.	3.1	229
4798	Molecular insights into miRNA processing by <i>Arabidopsis thaliana</i> SERRATE. <i>Nucleic Acids Research</i> , 2011, 39, 7828-7836.	6.5	79
4799	Light-Regulated Nuclear Import and Degradation of <i>Arabidopsis</i> Phytochrome-A N-Terminal Fragments. <i>Plant and Cell Physiology</i> , 2011, 52, 361-372.	1.5	20
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4808	The Outer Chloroplast Envelope Protein OEP16-1 for Plastid Import of NADPH:Protochlorophyllide Oxidoreductase A in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2011, 52, 96-111.	1.5	24
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4897	Overexpression of <i>Arabidopsis</i> <i>ECERIFERUM1</i> Promotes Wax Very-Long-Chain Alkane Biosynthesis and Influences Plant Response to Biotic and Abiotic Stresses. <i>Plant Physiology</i> , 2011, 156, 29-45.	2.3	414
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4910	AtFH8 Is Involved in Root Development under Effect of Low-Dose Latrunculin B in Dividing Cells. <i>Molecular Plant</i> , 2011, 4, 264-278.	3.9	43
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4941	TaABC1, a member of the activity of bc1 complex protein kinase family from common wheat, confers enhanced tolerance to abiotic stresses in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 1299-1311.	2.4	56
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4945	Lycopene cyclase paralog CruP protects against reactive oxygen species in oxygenic photosynthetic organisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1888-97.	3.3	26
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4947	A conserved lysine residue of plant Whirly proteins is necessary for higher order protein assembly and protection against DNA damage. <i>Nucleic Acids Research</i> , 2012, 40, 258-269.	6.5	48
4948	Dynamics of Brassinosteroid Response Modulated by Negative Regulator LIC in Rice. <i>PLoS Genetics</i> , 2012, 8, e1002686.	1.5	130
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4951	Overexpression of <i>poplar</i> wounding-inducible genes in <i>Arabidopsis</i> caused improved resistance against <i>Helicoverpa armigera</i> (H ₉) larvae. <i>Breeding Science</i> , 2012, 62, 288-291.	0.9	2
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4965	<i>NODULE ROOT</i> and <i>COCHLEATA</i> Maintain Nodule Development and Are Legume Orthologs of <i>Arabidopsis</i> BLADE-ON-PETIOLE Genes. <i>Plant Cell</i> , 2012, 24, 4498-4510.	3.1	116
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4969	FTIP1 Is an Essential Regulator Required for Florigen Transport. <i>PLoS Biology</i> , 2012, 10, e1001313.	2.6	265
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4975	Divergence and Redundancy in CSLD2 and CSLD3 Function During Arabidopsis Thaliana Root Hair and Female Gametophyte Development. <i>Frontiers in Plant Science</i> , 2012, 3, 111.	1.7	40
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4981	Antagonistic Interaction of BLADE-ON-PETIOLE1 and 2 with BREVIPEDICELLUS and PENNYWISE Regulates Arabidopsis Inflorescence Architecture. <i>Plant Physiology</i> , 2012, 158, 946-960.	2.3	65
4982	A Hyperactive Transposase of the Maize Transposable Element <i>Activator</i> (<i>Ac</i>). <i>Genetics</i> , 2012, 191, 747-756.	1.2	28
4983	Molecular Cloning and Functional Analysis of Three FLOWERING LOCUS T (FT) Homologous Genes from Chinese Cymbidium. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11385-11398.	1.8	33
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4988	A Species-Specific Cluster of Defensin-Like Genes Encodes Diffusible Pollen Tube Attractants in Arabidopsis. <i>PLoS Biology</i> , 2012, 10, e1001449.	2.6	238
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4991	VvBOR1, the Grapevine Ortholog of AtBOR1, Encodes an Efflux Boron Transporter That is Differentially Expressed Throughout Reproductive Development of Vitis vinifera L.. <i>Plant and Cell Physiology</i> , 2012, 53, 485-494.	1.5	64

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4993	Transgenic <i>Arabidopsis thaliana</i> expressing a barley UDP-glucosyltransferase exhibit resistance to the mycotoxin deoxynivalenol. <i>Journal of Experimental Botany</i> , 2012, 63, 4731-4740.	2.4	92
4994	Analysis of the <i>Arabidopsis</i> Shoot Meristem Transcriptome during Floral Transition Identifies Distinct Regulatory Patterns and a Leucine-Rich Repeat Protein That Promotes Flowering. <i>Plant Cell</i> , 2012, 24, 444-462.	3.1	178
4995	Isolation of <i>Arabidopsis ahg11</i> , a weak ABA hypersensitive mutant defective in nad4 RNA editing. <i>Journal of Experimental Botany</i> , 2012, 63, 5301-5310.	2.4	61
4996	The DNA dioxygenase ALKBH2 protects <i>Arabidopsis thaliana</i> against methylation damage. <i>Nucleic Acids Research</i> , 2012, 40, 6620-6631.	6.5	24
4997	Identification and genetic characterization of a gibberellin 2-oxidase gene that controls tree stature and reproductive growth in plum. <i>Journal of Experimental Botany</i> , 2012, 63, 1225-1239.	2.4	50
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5001	Two Novel RING-Type Ubiquitin Ligases, RGLG3 and RGLG4, Are Essential for Jasmonate-Mediated Responses in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 808-822.	2.3	37
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5006	The Armadillo Repeat Gene <i>ZAK IXIK</i> Promotes <i>Arabidopsis</i> Early Embryo and Endosperm Development through a Distinctive Gametophytic Maternal Effect. <i>Plant Cell</i> , 2012, 24, 4026-4043.	3.1	19
5007	Control of Tiller Growth of Rice by OsSPL14 and Strigolactones, Which Work in Two Independent Pathways. <i>Plant and Cell Physiology</i> , 2012, 53, 1793-1801.	1.5	94
5008	Glutaredoxin GRXS13 plays a key role in protection against photooxidative stress in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 503-515.	2.4	91
5009	<i>Arabidopsis</i> Phytochrome A Is Modularly Structured to Integrate the Multiple Features That Are Required for a Highly Sensitized Phytochrome. <i>Plant Cell</i> , 2012, 24, 2949-2962.	3.1	19

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5011	D-type cyclins control cell division and developmental rate during <i>Arabidopsis</i> seed development. <i>Journal of Experimental Botany</i> , 2012, 63, 3571-3586.	2.4	56
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5019	A PP6-Type Phosphatase Holoenzyme Directly Regulates PIN Phosphorylation and Auxin Efflux in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2497-2514.	3.1	84
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5022	T-DNA insertion mutants reveal complex expression patterns of the aldehyde dehydrogenase 3H1 locus in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 3887-3898.	2.4	12
5023	Role of ARABIDOPSIS A-FIFTEEN in regulating leaf senescence involves response to reactive oxygen species and is dependent on ETHYLENE INSENSITIVE2. <i>Journal of Experimental Botany</i> , 2012, 63, 275-292.	2.4	32
5024	Chloroplast RH3 DEAD Box RNA Helicases in Maize and <i>Arabidopsis</i> Function in Splicing of Specific Group II Introns and Affect Chloroplast Ribosome Biogenesis. <i>Plant Physiology</i> , 2012, 159, 961-974.	2.3	122
5025	The N-terminal TOG domain of <i>Arabidopsis</i> MOR1 modulates affinity for microtubule polymers. <i>Journal of Cell Science</i> , 2012, 125, 4812-21.	1.2	19
5026	WAG2 represses apical hook opening downstream from gibberellin and PHYTOCHROME INTERACTING FACTOR 5. <i>Development (Cambridge)</i> , 2012, 139, 4020-4028.	1.2	50
5027	A toolset of aequorin expression vectors for in planta studies of subcellular calcium concentrations in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 1751-1761.	2.4	76

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5030	Structural and Functional Analysis of VQ Motif-Containing Proteins in Arabidopsis as Interacting Proteins of WRKY Transcription Factors. <i>Plant Physiology</i> , 2012, 159, 810-825.	2.3	216
5031	Bipartite Promoter Element Required for Auxin Response. <i>Plant Physiology</i> , 2012, 158, 273-282.	2.3	83
5032	Tonoplast calcium sensors CBL2 and CBL3 control plant growth and ion homeostasis through regulating V-ATPase activity in Arabidopsis. <i>Cell Research</i> , 2012, 22, 1650-1665.	5.7	168
5033	Ectopic divisions in vascular and ground tissues of Arabidopsis thaliana result in distinct leaf venation defects. <i>Journal of Experimental Botany</i> , 2012, 63, 5351-5364.	2.4	21
5034	The Apoplastic Oxidative Burst Peroxidase in Arabidopsis Is a Major Component of Pattern-Triggered Immunity. <i>Plant Cell</i> , 2012, 24, 275-287.	3.1	547
5035	Lysine Decarboxylase Catalyzes the First Step of Quinolizidine Alkaloid Biosynthesis and Coevolved with Alkaloid Production in Leguminosae. <i>Plant Cell</i> , 2012, 24, 1202-1216.	3.1	115
5036	Arabidopsis cpSRP54 regulates carotenoid accumulation in Arabidopsis and Brassica napus. <i>Journal of Experimental Botany</i> , 2012, 63, 5189-5202.	2.4	28
5037	Recycling of Methylthioadenosine Is Essential for Normal Vascular Development and Reproduction in Arabidopsis. <i>Plant Physiology</i> , 2012, 158, 1728-1744.	2.3	35
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5040	Expression Analysis of Arabidopsis thaliana Small Secreted Protein Genes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 436-446.	0.6	15
5041	Green-to-Red Photoconvertible mEosFP-Aided Live Imaging in Plants. <i>Methods in Enzymology</i> , 2012, 504, 163-181.	0.4	18
5042	Arabidopsis Sucrose Transporter SUT4 Interacts with Cytochrome b5-2 to Regulate Seed Germination in Response to Sucrose and Glucose. <i>Molecular Plant</i> , 2012, 5, 1029-1041.	3.9	56
5043	Control of embryonic meristem initiation in Arabidopsis by PHD-finger protein complexes. <i>Development (Cambridge)</i> , 2012, 139, 1391-1398.	1.2	34
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5045	Genetic Evidence for the Reduction of Brassinosteroid Levels by a BAHD Acyltransferase-Like Protein in Arabidopsis. <i>Plant Physiology</i> , 2012, 159, 696-709.	2.3	51
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5048	DRB2, DRB3 and DRB5 function in a non-canonical microRNA pathway in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 1224-1229.	1.2	50
5049	Visualization of plastid movement in the pollen tube of <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 34-37.	1.2	12
5050	Reporter Gene Expression Patterns Regulated by an Arabidopsis Promoter Differ in Homologous Versus Heterologous Systems. <i>Peanut Science</i> , 2012, 39, 43-52.	0.2	3
5051	Altered Starch Turnover in the Maternal Plant Has Major Effects on Arabidopsis Fruit Growth and Seed Composition. <i>Plant Physiology</i> , 2012, 160, 1175-1186.	2.3	36
5052	A Novel Approach to Dissect the Abscission Process in Arabidopsis. <i>Plant Physiology</i> , 2012, 160, 1342-1356.	2.3	35
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5054	<i>Arabidopsis</i> MYC2 Interacts with DELLA Proteins in Regulating Sesquiterpene Synthase Gene Expression. <i>Plant Cell</i> , 2012, 24, 2635-2648.	3.1	497
5055	The Arabidopsis MicroRNA396-GRF1/GRF3 Regulatory Module Acts as a Developmental Regulator in the Reprogramming of Root Cells during Cyst Nematode Infection. <i>Plant Physiology</i> , 2012, 159, 321-335.	2.3	214
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5057	The Pepper Extracellular Xyloglucan-Specific Endo-1,4-Glucanase Inhibitor Protein Gene, <i>CaXEGIP1</i> , Is Required for Plant Cell Death and Defense Responses. <i>Plant Physiology</i> , 2012, 161, 384-396.	2.3	24
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5059	A Lipid Droplet Protein of <i>Nannochloropsis</i> with Functions Partially Analogous to Plant Oleosins. <i>Plant Physiology</i> , 2012, 158, 1562-1569.	2.3	106
5060	The Time Required for Dormancy Release in <i>Arabidopsis</i> Is Determined by DELAY OF GERMINATION1 Protein Levels in Freshly Harvested Seeds. <i>Plant Cell</i> , 2012, 24, 2826-2838.	3.1	201
5061	MdCOP1 Ubiquitin E3 Ligases Interact with MdMYB1 to Regulate Light-Induced Anthocyanin Biosynthesis and Red Fruit Coloration in Apple. <i>Plant Physiology</i> , 2012, 160, 1011-1022.	2.3	381
5062	Endosperm cellularization defines an important developmental transition for embryo development. <i>Development (Cambridge)</i> , 2012, 139, 2031-2039.	1.2	191
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5064	A Vacuolar 1,4-Glucosidase Homolog That Possesses Glucose-Conjugated Abscisic Acid Hydrolyzing Activity Plays an Important Role in Osmotic Stress Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2184-2199.	3.1	251

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5066	Activated Expression of WRKY57 Confers Drought Tolerance in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2012, 5, 1375-1388.	3.9	232
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5068	Isolation and characterization of GtMYBP3 and GtMYBP4, orthologues of R2R3-MYB transcription factors that regulate early flavonoid biosynthesis, in gentian flowers. <i>Journal of Experimental Botany</i> , 2012, 63, 6505-6517.	2.4	79
5069	Leaf-Induced Gibberellin Signaling Is Essential for Internode Elongation, Cambial Activity, and Fiber Differentiation in Tobacco Stems. <i>Plant Cell</i> , 2012, 24, 66-79.	3.1	117
5070	CTR1 phosphorylates the central regulator EIN2 to control ethylene hormone signaling from the ER membrane to the nucleus in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19486-19491.	3.3	539
5071	<i>Agrobacterium tumefaciens</i> Tumor Morphology Root Plastid Localization and Preferential Usage of Hydroxylated Prenyl Donor Is Important for Efficient Gall Formation. <i>Plant Physiology</i> , 2012, 159, 1064-1072.	2.3	11
5072	An Engineered Monoglucosyl 4-O-Methyltransferase Depresses Lignin Biosynthesis and Confers Novel Metabolic Capability in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3135-3152.	3.1	92
5073	Histidine Kinase Activity of the Ethylene Receptor ETR1 Facilitates the Ethylene Response in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 159, 682-695.	2.3	93
5074	WRKY54 and WRKY70 co-operate as negative regulators of leaf senescence in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 2667-2679.	2.4	407
5075	The <i>Arabidopsis</i> JAZ2 Promoter Contains a G-Box and Thymidine-Rich Module that are Necessary and Sufficient for Jasmonate-Dependent Activation by MYC Transcription Factors and Repression by JAZ Proteins. <i>Plant and Cell Physiology</i> , 2012, 53, 330-343.	1.5	75
5076	The Lectin Receptor Kinase-VI.2 Is Required for Priming and Positively Regulates <i>Arabidopsis</i> Pattern-Triggered Immunity. <i>Plant Cell</i> , 2012, 24, 1256-1270.	3.1	186
5077	Contributions of Individual Amino Acid Residues to the Endogenous CLV3 Function in Shoot Apical Meristem Maintenance in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2012, 5, 515-523.	3.9	37
5078	CbPDF1 Is Involved in Cotton Fiber Initiation via the Core cis-Element HDZIP2ATATHB2. <i>Plant Physiology</i> , 2012, 158, 890-904.	2.3	116
5079	Proteomics and Metabolomics of <i>Arabidopsis</i> Responses to Perturbation of Glucosinolate Biosynthesis. <i>Molecular Plant</i> , 2012, 5, 1138-1150.	3.9	47
5080	Isolation and proteomic analysis of the SYP61 compartment reveal its role in exocytic trafficking in <i>Arabidopsis</i> . <i>Cell Research</i> , 2012, 22, 413-424.	5.7	211
5081	REF4 and RFR1, Subunits of the Transcriptional Coregulatory Complex Mediator, Are Required for Phenylpropanoid Homeostasis in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 5434-5445.	1.6	103
5082	Deactivation of the <i>Arabidopsis</i> BRASSINOSTEROID INSENSITIVE 1 (BRI1) receptor kinase by autophosphorylation within the glycine-rich loop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 327-332.	3.3	69

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5084	Redox-mediated Mechanisms Regulate DNA Binding Activity of the G-group of Basic Region Leucine Zipper (bZIP) Transcription Factors in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2012, 287, 27510-27525.	1.6	89
5085	Ca ²⁺ Induces Spontaneous Dephosphorylation of a Novel P5A-type ATPase. <i>Journal of Biological Chemistry</i> , 2012, 287, 28336-28348.	1.6	17
5086	A Single Amino Acid Substitution in IIIf Subfamily of Basic Helix-Loop-Helix Transcription Factor AtMYC1 Leads to Trichome and Root Hair Patterning Defects by Abolishing Its Interaction with Partner Proteins in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2012, 287, 14109-14121.	1.6	88
5087	Determinants of the DNA Binding Specificity of Class I and Class II TCP Transcription Factors. <i>Journal of Biological Chemistry</i> , 2012, 287, 347-356.	1.6	54
5088	Opposite Stereoselectivities of Dirigent Proteins in Arabidopsis and Schizandra Species. <i>Journal of Biological Chemistry</i> , 2012, 287, 33957-33972.	1.6	82
5089	COPT6 Is a Plasma Membrane Transporter That Functions in Copper Homeostasis in Arabidopsis and Is a Novel Target of SQUAMOSA Promoter-binding Protein-like 7. <i>Journal of Biological Chemistry</i> , 2012, 287, 33252-33267.	1.6	86
5090	Production of wax esters in plant seed oils by oleosomal cotargeting of biosynthetic enzymes. <i>Journal of Lipid Research</i> , 2012, 53, 2153-2161.	2.0	43
5091	Plant secondary siRNA production determined by microRNA-duplex structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2461-2466.	3.3	215
5092	The expression pattern of the <i>Picea glauca</i> Defensin 1 promoter is maintained in <i>Arabidopsis thaliana</i> , indicating the conservation of signalling pathways between angiosperms and gymnosperms*. <i>Journal of Experimental Botany</i> , 2012, 63, 785-795.	2.4	31
5093	Arabidopsis Class I and Class II TCP Transcription Factors Regulate Jasmonic Acid Metabolism and Leaf Development Antagonistically. <i>Plant Physiology</i> , 2012, 159, 1511-1523.	2.3	279
5094	PLEIOTROPIC REGULATORY LOCUS 2 exhibits unequal genetic redundancy with its homolog PRL1. <i>Plant and Cell Physiology</i> , 2012, 53, 1617-1626.	1.5	8
5095	Evidence for a Role of <i>Arabidopsis</i> CDT1 Proteins in Gametophyte Development and Maintenance of Genome Integrity. <i>Plant Cell</i> , 2012, 24, 2779-2791.	3.1	24
5096	Genetic analysis reveals a complex regulatory network modulating CBF gene expression and Arabidopsis response to abiotic stress. <i>Journal of Experimental Botany</i> , 2012, 63, 293-304.	2.4	63
5097	TGD1, -2, and -3 Proteins Involved in Lipid Trafficking Form ATP-binding Cassette (ABC) Transporter with Multiple Substrate-binding Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 21406-21415.	1.6	89
5098	OCTOPUS, a polarly localised membrane-associated protein, regulates phloem differentiation entry in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2012, 139, 1306-1315.	1.2	148
5099	Kinetic Assays for Determining In Vitro APS Reductase Activity in Plants without the Use of Radioactive Substances. <i>Plant and Cell Physiology</i> , 2012, 53, 1648-1658.	1.5	19
5100	Regulation of planar growth by the <i>Arabidopsis</i> AGC protein kinase UNICORN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15060-15065.	3.3	34

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5101	Functional analysis reveals the possible role of the C-terminal sequences and PI motif in the function of lily (<i>Lilium longiflorum</i>) PISTILLATA (PI) orthologues. <i>Journal of Experimental Botany</i> , 2012, 63, 941-961.	2.4	41
5102	Distinct functions of chloroplast FtsZ1 and FtsZ2 in Z-ring structure and remodeling. <i>Journal of Cell Biology</i> , 2012, 199, 623-637.	2.3	50
5103	Zinc Finger Nuclease and Homing Endonuclease-Mediated Assembly of Multigene Plant Transformation Vectors. <i>Plant Physiology</i> , 2012, 158, 132-144.	2.3	29
5104	CLE-like (CLEL) peptides control the pattern of root growth and lateral root development in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1760-1765.	3.3	155
5105	Novel plant SUNKASH bridges are involved in RanGAP anchoring and nuclear shape determination. <i>Journal of Cell Biology</i> , 2012, 196, 203-211.	2.3	147
5106	Casparian strip diffusion barrier in <i>Arabidopsis</i> is made of a lignin polymer without suberin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10101-10106.	3.3	421
5107	Overexpressing the ANR1 MADS-Box Gene in Transgenic Plants Provides New Insights into its Role in the Nitrate Regulation of Root Development. <i>Plant and Cell Physiology</i> , 2012, 53, 1003-1016.	1.5	103
5108	Role of a respiratory burst oxidase of <i>Lepidium sativum</i> (cress) seedlings in root development and auxin signalling. <i>Journal of Experimental Botany</i> , 2012, 63, 6325-6334.	2.4	28
5109	The GCP3-Interacting Proteins GIP1 and GIP2 Are Required for γ -Tubulin Complex Protein Localization, Spindle Integrity, and Chromosomal Stability. <i>Plant Cell</i> , 2012, 24, 1171-1187.	3.1	89
5110	Live imaging of intra- and extracellular pH in plants using pHusion, a novel genetically encoded biosensor. <i>Journal of Experimental Botany</i> , 2012, 63, 3207-3218.	2.4	143
5111	<i>Arabidopsis</i> Deficient in Cutin Ferulate Encodes a Transferase Required for Feruloylation of γ -Hydroxy Fatty Acids in Cutin Polyester. <i>Plant Physiology</i> , 2012, 158, 654-665.	2.3	86
5112	The establishment of asymmetry in <i>Arabidopsis</i> lateral root founder cells is regulated by LBD16/ASL18 and related LBD/ASL proteins. <i>Development (Cambridge)</i> , 2012, 139, 883-893.	1.2	253
5113	AtBGAL10 Is the Main Xyloglucan β -Galactosidase in <i>Arabidopsis</i> , and Its Absence Results in Unusual Xyloglucan Subunits and Growth Defects. <i>Plant Physiology</i> , 2012, 158, 1146-1157.	2.3	73
5114	Pattern of Auxin and Cytokinin Responses for Shoot Meristem Induction Results from the Regulation of Cytokinin Biosynthesis by AUXIN RESPONSE FACTOR3. <i>Plant Physiology</i> , 2012, 161, 240-251.	2.3	218
5115	<i>OsMYB2P-1</i> , an R2R3 MYB Transcription Factor, Is Involved in the Regulation of Phosphate-Starvation Responses and Root Architecture in Rice. <i>Plant Physiology</i> , 2012, 159, 169-183.	2.3	231
5116	GmDREB2A;2, a Canonical DEHYDRATION-RESPONSIVE ELEMENT-BINDING PROTEIN2-Type Transcription Factor in Soybean, Is Posttranslationally Regulated and Mediates Dehydration-Responsive Element-Dependent Gene Expression. <i>Plant Physiology</i> , 2012, 161, 346-361.	2.3	149
5117	An Abscisic Acid-AtNAP Transcription Factor-SAG113 Protein Phosphatase 2C Regulatory Chain for Controlling Dehydration in Senescing <i>Arabidopsis</i> Leaves. <i>Plant Physiology</i> , 2012, 158, 961-969.	2.3	241
5118	<i>RhNAC2</i> and <i>RhEXPA4</i> Are Involved in the Regulation of Dehydration Tolerance during the Expansion of Rose Petals. <i>Plant Physiology</i> , 2012, 160, 2064-2082.	2.3	110

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5120	Transposase-Derived Proteins FHY3/FAR1 Interact with PHYTOCHROME-INTERACTING FACTOR1 to Regulate Chlorophyll Biosynthesis by Modulating <i>HEMB1</i> during Deetiolation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 1984-2000.	3.1	138
5121	Overexpression of GSH1 gene mimics transcriptional response to low temperature during seed vernalization treatment of Arabidopsis. <i>Plant and Cell Physiology</i> , 2012, 53, 1195-1203.	1.5	24
5122	Polypyrimidine Tract Binding Protein Homologs from <i>Arabidopsis</i> Are Key Regulators of Alternative Splicing with Implications in Fundamental Developmental Processes. <i>Plant Cell</i> , 2012, 24, 4360-4375.	3.1	84
5123	Absolute Quantitation of Isoforms of Post-translationally Modified Proteins in Transgenic Organism. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 272-285.	2.5	24
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5126	A Plasma Membrane Receptor Kinase, GHR1, Mediates Abscisic Acid- and Hydrogen Peroxide-Regulated Stomatal Movement in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2546-2561.	3.1	341
5127	Overexpression of MIZU-KUSSEI1 Enhances the Root Hydrotropic Response by Retaining Cell Viability Under Hydrostimulated Conditions in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2012, 53, 1926-1933.	1.5	25
5128	Nuclear Ribosome Biogenesis Mediated by the DIM1A rRNA Dimethylase Is Required for Organized Root Growth and Epidermal Patterning in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2839-2856.	3.1	32
5129	Root-Derived Oxylipins Promote Green Peach Aphid Performance on <i>Arabidopsis</i> Foliage. <i>Plant Cell</i> , 2012, 24, 1643-1653.	3.1	84
5130	The Arabidopsis AP2/ERF Transcription Factor RAP2.11 Modulates Plant Response to Low-Potassium Conditions. <i>Molecular Plant</i> , 2012, 5, 1042-1057.	3.9	157
5131	Differential Control of Ethylene Responses by <i>GREEN-RIPE</i> and <i>GREEN-RIPE LIKE1</i> Provides Evidence for Distinct Ethylene Signaling Modules in Tomato. <i>Plant Physiology</i> , 2012, 160, 1968-1984.	2.3	35
5132	Ca ²⁺ -dependent GTPase, Extra-large G Protein 2 (XLG2), Promotes Activation of DNA-binding Protein Related to Vernalization 1 (RTV1), Leading to Activation of Floral Integrator Genes and Early Flowering in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2012, 287, 8242-8253.	1.6	51
5133	Conjugated Fatty Acid Synthesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 16230-16237.	1.6	24
5134	Arabidopsis VILLIN2 and VILLIN3 Are Required for the Generation of Thick Actin Filament Bundles and for Directional Organ Growth. <i>Plant Physiology</i> , 2012, 158, 1426-1438.	2.3	59
5135	A bZIP Protein, VIP1, Is a Regulator of Osmosensory Signaling in Arabidopsis. <i>Plant Physiology</i> , 2012, 159, 144-155.	2.3	95
5136	CML42-Mediated Calcium Signaling Coordinates Responses to <i>Spodoptera</i> Herbivory and Abiotic Stresses in Arabidopsis. <i>Plant Physiology</i> , 2012, 159, 1159-1175.	2.3	233

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5138	Expansive Evolution of the TREHALOSE-6-PHOSPHATE PHOSPHATASE Gene Family in Arabidopsis. <i>Plant Physiology</i> , 2012, 160, 884-896.	2.3	120
5139	Involvement of Arabidopsis ACYL-COENZYME A DESATURASE-LIKE2 (At2g31360) in the Biosynthesis of the Very-Long-Chain Monounsaturated Fatty Acid Components of Membrane Lipids. <i>Plant Physiology</i> , 2012, 161, 81-96.	2.3	63
5140	Characterization of SOC1's Central Role in Flowering by the Identification of Its Upstream and Downstream Regulators. <i>Plant Physiology</i> , 2012, 160, 433-449.	2.3	169
5141	Multistep Assembly of Chloroplast NADH Dehydrogenase-Like Subcomplex A Requires Several Nucleus-Encoded Proteins, Including CRR41 and CRR42, in Arabidopsis. <i>Plant Cell</i> , 2012, 24, 202-214.	3.1	57
5142	Regulation of the Photorespiratory GLDPA Gene in C4 Flaveria: An Intricate Interplay of Transcriptional and Posttranscriptional Processes. <i>Plant Cell</i> , 2012, 24, 137-151.	3.1	40
5143	A Self-Regulatory Circuit of CIRCADIAN CLOCK-ASSOCIATED1 Underlies the Circadian Clock Regulation of Temperature Responses in Arabidopsis. <i>Plant Cell</i> , 2012, 24, 2427-2442.	3.1	249
5144	The Novel Plant Protein INAPERTURATE POLLEN1 Marks Distinct Cellular Domains and Controls Formation of Apertures in the Arabidopsis Pollen Exine. <i>Plant Cell</i> , 2012, 24, 4452-4464.	3.1	60
5145	A Missense Mutation in the Glucosamine-6-Phosphate N-Acetyltransferase-Encoding Gene Causes Temperature-Dependent Growth Defects and Ectopic Lignin Deposition in Arabidopsis. <i>Plant Cell</i> , 2012, 24, 3366-3379.	3.1	31
5146	Cysteine-Generated Sulfide in the Cytosol Negatively Regulates Autophagy and Modulates the Transcriptional Profile in Arabidopsis. <i>Plant Cell</i> , 2012, 24, 4621-4634.	3.1	188
5147	An evolutionarily conserved mitochondrial orf108 is associated with cytoplasmic male sterility in different alloplasmic lines of Brassica juncea and induces male sterility in transgenic Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2012, 63, 2921-2932.	2.4	42
5148	GbTCP, a cotton TCP transcription factor, confers fibre elongation and root hair development by a complex regulating system. <i>Journal of Experimental Botany</i> , 2012, 63, 6267-6281.	2.4	168
5149	IBM1, a JmjC domain-containing histone demethylase, is involved in the regulation of RNA-directed DNA methylation through the epigenetic control of RDR2 and DCL3 expression in Arabidopsis. <i>Nucleic Acids Research</i> , 2012, 40, 8905-8916.	6.5	28
5150	Arabidopsis CSP41 proteins form multimeric complexes that bind and stabilize distinct plastid transcripts. <i>Journal of Experimental Botany</i> , 2012, 63, 1251-1270.	2.4	49
5151	Arabidopsis thaliana DOF6 negatively affects germination in non-after-ripened seeds and interacts with TCP14. <i>Journal of Experimental Botany</i> , 2012, 63, 1937-1949.	2.4	134
5152	The interaction of the novel 30C02 cyst nematode effector protein with a plant Î²-1,3-endoglucanase may suppress host defence to promote parasitism. <i>Journal of Experimental Botany</i> , 2012, 63, 3683-3695.	2.4	80
5153	Mitochondrial Sulfide Detoxification Requires a Functional Isoform O-Acetylserine(thiol)lyase C in Arabidopsis thaliana. <i>Molecular Plant</i> , 2012, 5, 1217-1226.	3.9	55
5154	Nucleotide and RNA Metabolism Prime Translational Initiation in the Earliest Events of Mitochondrial Biogenesis during Arabidopsis Germination. <i>Plant Physiology</i> , 2012, 158, 1610-1627.	2.3	124

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5155	Nuclear Targeting of Methyl-Recycling Enzymes in Arabidopsis thaliana Is Mediated by Specific Protein Interactions. <i>Molecular Plant</i> , 2012, 5, 231-248.	3.9	36
5156	The sensitive to freezing3 mutation of Arabidopsis thaliana is a cold-sensitive allele of homomeric acetyl-CoA carboxylase that results in cold-induced cuticle deficiencies. <i>Journal of Experimental Botany</i> , 2012, 63, 5289-5299.	2.4	29
5157	Overexpression of a putative Arabidopsis BAHD acyltransferase causes dwarfism that can be rescued by brassinosteroid. <i>Journal of Experimental Botany</i> , 2012, 63, 5787-5801.	2.4	36
5158	Disrupting the bimolecular binding of the haem-binding protein 5 (AtHBP5) to haem oxygenase 1 (HY1) leads to oxidative stress in Arabidopsis. <i>Journal of Experimental Botany</i> , 2012, 63, 5967-5978.	2.4	26
5159	Conservation of two lineages of peroxisomal (Type I) 3-ketoacyl-CoA thiolases in land plants, specialization of the genes in Brassicaceae, and characterization of their expression in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2012, 63, 6093-6103.	2.4	17
5160	Missense Mutation in the Amino Terminus of Phytochrome A Disrupts the Nuclear Import of the Photoreceptor P^{A} . <i>Plant Physiology</i> , 2012, 158, 107-118.	2.3	11
5161	The TOPLESS Interactome: A Framework for Gene Repression in Arabidopsis P^{A} . <i>Plant Physiology</i> , 2012, 158, 423-438.	2.3	481
5162	SMALL ACIDIC PROTEIN1 Acts with RUB Modification Components, the COP9 Signalosome, and AXR1 to Regulate Growth and Development of Arabidopsis P^{A} . <i>Plant Physiology</i> , 2012, 160, 93-105.	2.3	11
5163	Regulation of High-Affinity Nitrate Uptake in Roots of Arabidopsis Depends Predominantly on Posttranscriptional Control of the NRT2.1/NAR2.1 Transport System P^{A} . <i>Plant Physiology</i> , 2012, 158, 1067-1078.	2.3	80
5164	MES16, a Member of the Methyltransferase Protein Family, Specifically Demethylates Fluorescent Chlorophyll Catabolites during Chlorophyll Breakdown in Arabidopsis. <i>Plant Physiology</i> , 2012, 158, 628-641.	2.3	83
5165	Analysis of Arabidopsis <i>glucose insensitive growth</i> Mutants Reveals the Involvement of the Plastidial Copper Transporter PAA1 in Glucose-Induced Intracellular Signaling P^{A} . <i>Plant Physiology</i> , 2012, 159, 1001-1012.	2.3	34
5166	The Ubiquitin E3 Ligase LOSS OF GDU2 Is Required for GLUTAMINE DUMPER1-Induced Amino Acid Secretion in Arabidopsis P^{A} . <i>Plant Physiology</i> , 2012, 158, 1628-1642.	2.3	39
5167	Cooperative Function of PLD β and PLD β 1 in Abscisic Acid-Induced Stomatal Closure in Arabidopsis P^{A} . <i>Plant Physiology</i> , 2012, 159, 450-460.	2.3	135
5168	The Ankyrin-Repeat Transmembrane Protein BDA1 Functions Downstream of the Receptor-Like Protein SNC2 to Regulate Plant Immunity. <i>Plant Physiology</i> , 2012, 159, 1857-1865.	2.3	98
5169	The Mediator Complex Subunit PFT1 Interferes with COP1 and HY5 in the Regulation of Arabidopsis Light Signaling P^{A} . <i>Plant Physiology</i> , 2012, 160, 289-307.	2.3	37
5170	Auxin and Epigenetic Regulation of <i>SKP2B</i> , an F-Box That Represses Lateral Root Formation P^{A} . <i>Plant Physiology</i> , 2012, 160, 749-762.	2.3	74
5171	A Land-Plant-Specific Glycerol-3-Phosphate Acyltransferase Family in Arabidopsis: Substrate Specificity, <i>sn</i> -2 Preference, and Evolution P^{A} . <i>Plant Physiology</i> , 2012, 160, 638-652.	2.3	188
5172	DAC Is Involved in the Accumulation of the Cytochrome b 6/f Complex in Arabidopsis P^{A} . <i>Plant Physiology</i> , 2012, 160, 1911-1922.	2.3	53

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5174	A Conifer ABI3-Interacting Protein Plays Important Roles during Key Transitions of the Plant Life Cycle $\hat{\hat{A}}$. <i>Plant Physiology</i> , 2012, 161, 179-195.	2.3	24
5175	Functional Analysis of Three <i>Arabidopsis</i> ARGONAUTES Using Slicer-Defective Mutants $\hat{\hat{A}}$. <i>Plant Cell</i> , 2012, 24, 3613-3629.	3.1	249
5176	<i>Arabidopsis</i> bZIP16 Transcription Factor Integrates Light and Hormone Signaling Pathways to Regulate Early Seedling Development. <i>Plant Cell</i> , 2012, 24, 3997-4011.	3.1	69
5177	The secreted purple acid phosphatase isozymes AtPAP12 and AtPAP26 play a pivotal role in extracellular phosphate-scavenging by <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 6531-6542.	2.4	118
5178	The Patatin-Containing Phospholipase A pPLAII \pm Modulates Oxylipin Formation and Water Loss in <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 2012, 5, 452-460.	3.9	68
5179	Color Recovery after Photoconversion of H2B::mEosFP Allows Detection of Increased Nuclear DNA Content in Developing Plant Cells $\hat{\hat{A}}$. <i>Plant Physiology</i> , 2012, 158, 95-106.	2.3	17
5180	Dissecting <i>Arabidopsis</i> G $\hat{1}^2$ Signal Transduction on the Protein Surface $\hat{\hat{A}}$. <i>Plant Physiology</i> , 2012, 159, 975-983.	2.3	18
5181	Members of the germin-like protein family in <i>Brassica napus</i> are candidates for the initiation of an oxidative burst that impedes pathogenesis of <i>Sclerotinia sclerotiorum</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 5507-5519.	2.4	86
5182	SD3, an <i>Arabidopsis thaliana</i> Homolog of TIM21, Affects Intracellular ATP Levels and Seedling Development. <i>Molecular Plant</i> , 2012, 5, 461-471.	3.9	31
5183	RDR1 and SGS3, Components of RNA-Mediated Gene Silencing, Are Required for the Regulation of Cuticular Wax Biosynthesis in Developing Inflorescence Stems of <i>Arabidopsis</i> $\hat{\hat{A}}$. <i>Plant Physiology</i> , 2012, 159, 1385-1395.	2.3	84
5184	RNA-Seq Analysis of Developing <i>Nasturtium</i> Seeds (<i>Tropaeolum majus</i>): Identification and Characterization of an Additional Galactosyltransferase Involved in Xyloglucan Biosynthesis. <i>Molecular Plant</i> , 2012, 5, 984-992.	3.9	91
5185	Evolution of plant sucrose uptake transporters. <i>Frontiers in Plant Science</i> , 2012, 3, 22.	1.7	149
5186	T-DNA Insertion in the $\hat{\hat{A}}$ CLS $\hat{\hat{A}}$ Gene for Cardiolipin Synthase Affects Development of $\hat{\hat{A}}$ <i>Arabidopsis thaliana</i> $\hat{\hat{A}}$. <i>Cytologia</i> , 2012, 77, 123-129.	0.2	9
5187	Nuclear-Encoded Plastid Sigma Factor SIG6 Exclusively Contributes to Chloroplast Differentiation in Plastid Differentiation of $\hat{\hat{A}}$ <i>Arabidopsis thaliana</i> $\hat{\hat{A}}$. <i>Cytologia</i> , 2012, 77, 73-82.	0.2	2
5188	Metabolic engineering of the iodine content in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2012, 2, 338.	1.6	32
5189	A Short Amino-Terminal Part of <i>Arabidopsis</i> Phytochrome A Induces Constitutive Photomorphogenic Response. <i>Molecular Plant</i> , 2012, 5, 629-641.	3.9	22
5190	Silencing and Heterologous Expression of <i>ppo-2</i> Indicate a Specific Function of a Single Polyphenol Oxidase Isoform in Resistance of Dandelion (<i>Taraxacum officinale</i>) Against <i>Pseudomonas syringae</i> pv. <i>tomato</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 200-210.	1.4	45

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5191	N-Terminal Motifs in Some Plant Disease Resistance Proteins Function in Membrane Attachment and Contribute to Disease Resistance. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 379-392.	1.4	62
5192	Regulation of <i>miR399f</i> Transcription by AtMYB2 Affects Phosphate Starvation Responses in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 161, 362-373.	2.3	146
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5195	XBAT35, a Novel <i>Arabidopsis</i> RING E3 Ligase Exhibiting Dual Targeting of Its Splice Isoforms, Is Involved in Ethylene-Mediated Regulation of Apical Hook Curvature. <i>Molecular Plant</i> , 2012, 5, 1295-1309.	3.9	47
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5198	APETALA2 negatively regulates multiple floral organ identity genes in <i>Arabidopsis</i> by recruiting the co-repressor TOPLESS and the histone deacetylase HDA19. <i>Development (Cambridge)</i> , 2012, 139, 4180-4190.	1.2	277
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5202	CYP90A1/CPD, a Brassinosteroid Biosynthetic Cytochrome P450 of <i>Arabidopsis</i> , Catalyzes C-3 Oxidation. <i>Journal of Biological Chemistry</i> , 2012, 287, 31551-31560.	1.6	133
5203	Brassica napus PHR1 Gene Encoding a MYB-Like Protein Functions in Response to Phosphate Starvation. <i>PLoS ONE</i> , 2012, 7, e44005.	1.1	80
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5207	The pepper RNA-binding protein CaRBP1 functions in hypersensitive cell death and defense signaling in the cytoplasm. <i>Plant Journal</i> , 2012, 72, 235-248.	2.8	14
5208	Discovery of a multigene family of aquaporin silicon transporters in the primitive plant <i>Equisetum arvense</i> . <i>Plant Journal</i> , 2012, 72, 320-330.	2.8	111

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5210	Rhomboid proteins in the chloroplast envelope affect the level of allene oxide synthase in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2012, 72, 559-571.	2.8	45
5211	Benzoylation and sinapoylation of glucosinolate Râ€groups in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2012, 72, 411-422.	2.8	78
5212	Regulation of the <i>Arabidopsis</i> anther transcriptome by DYT1 for pollen development. <i>Plant Journal</i> , 2012, 72, 612-624.	2.8	138
5213	A <i>FILAMENTOUS FLOWER</i> orthologue plays a key role in leaf patterning in opium poppy. <i>Plant Journal</i> , 2012, 72, 662-673.	2.8	6
5214	Constitutive expression of a fungal glucuronoyl esterase in <i>Arabidopsis</i> reveals altered cell wall composition and structure. <i>Plant Biotechnology Journal</i> , 2012, 10, 1077-1087.	4.1	32
5215	Initial characterization of shade avoidance response suggests functional diversity between <i>Populus</i> phytochrome B genes. <i>New Phytologist</i> , 2012, 196, 726-737.	3.5	25
5216	The LysM Receptor-Like Kinase LysM RLK1 Is Required to Activate Defense and Abiotic-Stress Responses Induced by Overexpression of Fungal Chitinases in <i>Arabidopsis</i> Plants. <i>Molecular Plant</i> , 2012, 5, 1113-1124.	3.9	51
5217	Molecular Characterization of the Fatty Alcohol Oxidation Pathway for Wax-Ester Mobilization in Germinated Jojoba Seeds. <i>Plant Physiology</i> , 2012, 161, 72-80.	2.3	28
5218	A maize stress-responsive NAC transcription factor, ZmSNAC1, confers enhanced tolerance to dehydration in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2012, 31, 1701-1711.	2.8	143
5219	Glycine decarboxylase controls photosynthesis and plant growth. <i>FEBS Letters</i> , 2012, 586, 3692-3697.	1.3	144
5220	Modification of Seed Oil Composition in <i>Arabidopsis</i> by Artificial microRNA-Mediated Gene Silencing. <i>Frontiers in Plant Science</i> , 2012, 3, 168.	1.7	41
5221	Improved Growth and Stress Tolerance in the <i>Arabidopsis</i> oxt1 Mutant Triggered by Altered Adenine Metabolism. <i>Molecular Plant</i> , 2012, 5, 1310-1332.	3.9	46
5222	A Dominant Allele of <i>Arabidopsis</i> Pectin-Binding Wall-Associated Kinase Induces a Stress Response Suppressed by MPK6 but Not MPK3 Mutations. <i>Molecular Plant</i> , 2012, 5, 841-851.	3.9	70
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5225	NADPH Thioredoxin Reductase C Is Localized in Plastids of Photosynthetic and Nonphotosynthetic Tissues and Is Involved in Lateral Root Formation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 1534-1548.	3.1	82
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5229	MYBL2 is a substrate of GSK3-like kinase BIN2 and acts as a corepressor of BES1 in brassinosteroid signaling pathway in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20142-20147.	3.3	109
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5237	<i>Arabidopsis</i> LATERAL ORGAN BOUNDARIES negatively regulates brassinosteroid accumulation to limit growth in organ boundaries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21146-21151.	3.3	167
5238	<i>Arabidopsis</i> JAGGED LATERAL ORGANS Acts with <i>ASYMMETRIC LEAVES2</i> to Coordinate <i>KNOX</i> and <i>PIN</i> Expression in Shoot and Root Meristems. <i>Plant Cell</i> , 2012, 24, 2917-2933.	3.1	73
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5240	Carbonylation and Loss-of-Function Analyses of SBPase Reveal Its Metabolic Interface Role in Oxidative Stress, Carbon Assimilation, and Multiple Aspects of Growth and Development in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2012, 5, 1082-1099.	3.9	66
5241	A zinc finger protein gene <i>ZFP5</i> integrates phytohormone signaling to control root hair development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2012, 72, 474-490.	2.8	79
5242	The requirement for recombination factors differs considerably between different pathways of homologous double-strand break repair in somatic plant cells. <i>Plant Journal</i> , 2012, 72, 781-790.	2.8	63
5243	Repression of the <i>Arabidopsis thaliana</i> Jasmonic Acid/Ethylene-Induced Defense Pathway by TGA-Interacting Glutaredoxins Depends on Their C-Terminal ALWL Motif. <i>Molecular Plant</i> , 2012, 5, 831-840.	3.9	158
5244	The <i>Arabidopsis</i> Mediator Complex Subunit16 Positively Regulates Salicylate-Mediated Systemic Acquired Resistance and Jasmonate/Ethylene-Induced Defense Pathways. <i>Plant Cell</i> , 2012, 24, 4294-4309.	3.1	157

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5246	Expression of phytochelatin synthase from aquatic macrophyte <i>Ceratophyllum demersum</i> L. enhances cadmium and arsenic accumulation in tobacco. <i>Plant Cell Reports</i> , 2012, 31, 1687-1699.	2.8	100
5247	An alfalfa (<i>Medicago sativa</i> L.) ethylene response factor gene, MsERF11, enhances salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2012, 31, 1737-1746.	2.8	43
5248	Overexpression of GbWRKY1 positively regulates the Pi starvation response by alteration of auxin sensitivity in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2012, 31, 2177-2188.	2.8	39
5249	Changes at the 3' untranslated region stabilize Rubisco activase transcript levels during heat stress in <i>Arabidopsis</i> . <i>Planta</i> , 2012, 236, 463-476.	1.6	22
5250	Ectopic expression of VpALDH2B4, a novel aldehyde dehydrogenase gene from Chinese wild grapevine (<i>Vitis pseudoreticulata</i>), enhances resistance to mildew pathogens and salt stress in <i>Arabidopsis</i> . <i>Planta</i> , 2012, 236, 525-539.	1.6	61
5251	Characterization of the regulatory network of BoMYB2 in controlling anthocyanin biosynthesis in purple cauliflower. <i>Planta</i> , 2012, 236, 1153-1164.	1.6	75
5252	Overexpression of <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> effector AvrBsT in <i>Arabidopsis</i> triggers plant cell death, disease and defense responses. <i>Planta</i> , 2012, 236, 1191-1204.	1.6	11
5253	Divergences of MPF2-like MADS-domain proteins have an association with the evolution of the inflated calyx syndrome within Solanaceae. <i>Planta</i> , 2012, 236, 1247-1260.	1.6	16
5254	Screening of Tissue-Specific Genes and Promoters in Tomato by Comparing Genome Wide Expression Profiles of <i>Arabidopsis</i> Orthologues. <i>Molecules and Cells</i> , 2012, 34, 53-60.	1.0	22
5255	Overexpression of a LAM Domain Containing RNA-Binding Protein LARPlc Induces Precocious Leaf Senescence in <i>Arabidopsis</i> . <i>Molecules and Cells</i> , 2012, 34, 367-374.	1.0	20
5256	Isolation and characterization of the FVE gene of a <i>Doritaenopsis</i> hybrid involved in the regulation of flowering. <i>Plant Growth Regulation</i> , 2012, 68, 77-86.	1.8	21
5257	Oligosaccharins and Pectimorfa® stimulate root elongation and shorten the cell cycle in higher plants. <i>Plant Growth Regulation</i> , 2012, 68, 211-221.	1.8	14
5258	Isolation and characterization of two sorbitol transporter gene promoters in micropropagated apple plants (<i>Malus domestica</i>) regulated by drought stress. <i>Plant Growth Regulation</i> , 2012, 68, 475-482.	1.8	7
5259	Delta subclass HD-Zip proteins and a B-3 AP2/ERF transcription factor interact with promoter elements required for expression of the <i>Arabidopsis</i> cytochrome c oxidase 5b-1 gene. <i>Plant Molecular Biology</i> , 2012, 80, 157-167.	2.0	13
5260	Roles of the different components of magnesium chelatase in abscisic acid signal transduction. <i>Plant Molecular Biology</i> , 2012, 80, 519-537.	2.0	72
5261	Isolation and Activity Analysis of a Seed-Abundant soyAP1 Gene Promoter from Soybean. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 1400-1407.	1.0	8
5262	Expression of Maize Gene Encoding C4-Pyruvate Orthophosphate Dikinase (PPDK) and C4-Phosphoenolpyruvate Carboxylase (PEPC) in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2012, 30, 1367-1374.	1.0	22

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5263	Identification and Characterization of PpLFL, a Homolog of FLORICAULA/LEAFY in Peach (<i>Prunus</i>) Tj ETQq0 0 0 rgBT //Overlock 10 Tf 50 7	1.0	18
5264	A newly isolated Na ⁺ /H ⁺ antiporter gene, DmNHX1, confers salt tolerance when expressed transiently in <i>Nicotiana benthamiana</i> or stably in <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 189-200.	1.2	40
5265	Ectopic-overexpression of an HD-Zip IV transcription factor from <i>Ammopiptanthus mongolicus</i> (Leguminosae) promoted upward leaf curvature and non-dehiscent anthers in <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 299-306.	1.2	10
5266	Cloning and characterization of a <i>Doritaenopsis</i> hybrid PRP39 gene involved in flowering time. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 347-357.	1.2	4
5267	Molecular characterization of a novel AP2 transcription factor ThWIND1-L from <i>Thellungiella halophila</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 423-433.	1.2	15
5268	Inhibitory effects of <i>Arabidopsis</i> EARL11 against <i>Botrytis cinerea</i> and <i>Bradysia difformis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 435-443.	1.2	7
5269	Functional characterization of FT and MFT ortholog genes in orchid (<i>Dendrobium nobile</i> Lindl) that regulate the vegetative to reproductive transition in <i>Arabidopsis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 143-151.	1.2	30
5270	Comparability of imazapyr-resistant <i>Arabidopsis</i> created by transgenesis and mutagenesis. <i>Transgenic Research</i> , 2012, 21, 1255-1264.	1.3	9
5271	Molecular characterization of the PpMADS1 gene from peach. <i>Tree Genetics and Genomes</i> , 2012, 8, 831-840.	0.6	3
5272	GFP-tagging of <i>Arabidopsis</i> acyl-activating enzymes raises the issue of peroxisome-chloroplast import competition versus dual localization. <i>Journal of Plant Physiology</i> , 2012, 169, 1631-1638.	1.6	16
5273	Asg1 is a stress-inducible gene which increases stomatal resistance in salt stressed potato. <i>Journal of Plant Physiology</i> , 2012, 169, 1849-1857.	1.6	22
5274	A genome-wide transcriptome profiling reveals the early molecular events during callus initiation in <i>Arabidopsis</i> multiple organs. <i>Genomics</i> , 2012, 100, 116-124.	1.3	62
5275	Molecular cloning and characterization of RNA binding protein genes from the wild radish. <i>Genes and Genomics</i> , 2012, 34, 663-669.	0.5	1
5276	Temporal and spatial expression patterns of the gene AtBSMT1 encoding a salicylic acid methyltransferase in <i>Arabidopsis</i> transgenic plants. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2012, 55, 823-826.	0.9	0
5277	Vascular Expression and C-Terminal Sequence Divergence of Cytokinin Response Factors in Flowering Plants. <i>Plant and Cell Physiology</i> , 2012, 53, 1683-1695.	1.5	39
5278	LYK4, a Lysin Motif Receptor-Like Kinase, Is Important for Chitin Signaling and Plant Innate Immunity in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 396-406.	2.3	227
5279	SKIP Is a Component of the Spliceosome Linking Alternative Splicing and the Circadian Clock in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3278-3295.	3.1	198
5280	Direct interaction of ligand-receptor pairs specifying stomatal patterning. <i>Genes and Development</i> , 2012, 26, 126-136.	2.7	310

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5282	COP1 mediates the coordination of root and shoot growth by light through modulation of PIN1- and PIN2-dependent auxin transport in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2012, 139, 3402-3412.	1.2	167
5283	The <i>ARC1</i> E3 Ligase Gene Is Frequently Deleted in Self-Compatible Brassicaceae Species and Has a Conserved Role in <i>Arabidopsis lyrata</i> Self-Pollen Rejection. <i>Plant Cell</i> , 2012, 24, 4607-4620.	3.1	94
5284	AtACDO1, an ABC1-like kinase gene, is involved in chlorophyll degradation and the response to photooxidative stress in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 3959-3973.	2.4	39
5285	AtAPY1 and AtAPY2 Function as Golgi-Localized Nucleoside Diphosphatases in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1913-1925.	1.5	30
5286	Antisense reductions in the PsbO protein of photosystem II leads to decreased quantum yield but similar maximal photosynthetic rates. <i>Journal of Experimental Botany</i> , 2012, 63, 4781-4795.	2.4	36
5287	<i>Arabidopsis</i> TT19 Functions as a Carrier to Transport Anthocyanin from the Cytosol to Tonoplasts. <i>Molecular Plant</i> , 2012, 5, 387-400.	3.9	205
5288	CsFTL3, a chrysanthemum FLOWERING LOCUS T-like gene, is a key regulator of photoperiodic flowering in chrysanthemums. <i>Journal of Experimental Botany</i> , 2012, 63, 1461-1477.	2.4	132
5289	The <i>Arabidopsis</i> Nitrate Transporter NRT2.4 Plays a Double Role in Roots and Shoots of Nitrogen-Starved Plants. <i>Plant Cell</i> , 2012, 24, 245-258.	3.1	335
5290	Interactome of the Plant-specific ESCRT-III Component AtVPS2.2 in <i>Arabidopsis thaliana</i> . <i>Journal of Proteome Research</i> , 2012, 11, 397-411.	1.8	26
5291	Mutation of <i>Arabidopsis</i> SPLICEOSOMAL TIMEKEEPER LOCUS1 Causes Circadian Clock Defects. <i>Plant Cell</i> , 2012, 24, 4066-4082.	3.1	112
5292	A Synthetic Approach Reveals Extensive Tunability of Auxin Signaling. <i>Plant Physiology</i> , 2012, 160, 135-142.	2.3	130
5293	Functional Divergence of MYB-Related Genes, <i>WEREWOLF</i> and <i>AtMYB23</i> in <i>Arabidopsis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 883-887.	0.6	27
5294	Effective Small RNA Destruction by the Expression of a Short Tandem Target Mimic in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 415-427.	3.1	353
5295	HYL1 controls the miR156-mediated juvenile phase of vegetative growth. <i>Journal of Experimental Botany</i> , 2012, 63, 2787-2798.	2.4	40
5296	RHON1 is a novel ribonucleic acid-binding protein that supports RNase E function in the <i>Arabidopsis</i> chloroplast. <i>Nucleic Acids Research</i> , 2012, 40, 8593-8606.	6.5	47
5297	Tricking the Guard: Exploiting Plant Defense for Disease Susceptibility. <i>Science</i> , 2012, 338, 659-662.	6.0	169
5298	Isolation and characterization of a dehydration responsive element binding factor MsDREBA5 in <i>Malus sieversii</i> Roem.. <i>Scientia Horticulturae</i> , 2012, 142, 212-220.	1.7	20

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5300	Introduction of tri-antennary N-glycans in <i>Arabidopsis thaliana</i> plants. <i>Plant Science</i> , 2012, 185-186, 161-168.	1.7	8
5301	Characterization of novel F-box proteins in plants induced by biotic and abiotic stress. <i>Plant Science</i> , 2012, 185-186, 208-217.	1.7	41
5302	Amino acid substitution converts WEREWOLF function from an activator to a repressor of <i>Arabidopsis</i> non-hair cell development. <i>Plant Science</i> , 2012, 183, 37-42.	1.7	5
5303	A full-length R-like basic-helix-loop-helix transcription factor is required for anthocyanin upregulation whereas the N-terminal region regulates epidermal hair formation. <i>Plant Science</i> , 2012, 183, 115-122.	1.7	18
5304	<i>Arabidopsis</i> WRKY46 coordinates with WRKY70 and WRKY53 in basal resistance against pathogen <i>Pseudomonas syringae</i> . <i>Plant Science</i> , 2012, 185-186, 288-297.	1.7	243
5305	<i>Musa paradisica</i> RCI complements AtRCI and confers Na ⁺ tolerance and K ⁺ sensitivity in <i>Arabidopsis</i> . <i>Plant Science</i> , 2012, 184, 102-111.	1.7	20
5306	ZmHO-1, a maize haem oxygenase-1 gene, plays a role in determining lateral root development. <i>Plant Science</i> , 2012, 184, 63-74.	1.7	39
5307	The microtubule associated protein END BINDING 1 represses root responses to mechanical cues. <i>Plant Science</i> , 2012, 187, 1-9.	1.7	14
5308	Differential contribution of individual dehydrin genes from <i>Physcomitrella patens</i> to salt and osmotic stress tolerance. <i>Plant Science</i> , 2012, 190, 89-102.	1.7	72
5309	Cloning of a cystatin gene from sugar beet M14 that can enhance plant salt tolerance. <i>Plant Science</i> , 2012, 191-192, 93-99.	1.7	33
5310	<i>Arabidopsis</i> actin capping protein (AtCP) subunits have different expression patterns, and downregulation of AtCPB confers increased thermotolerance of <i>Arabidopsis</i> after heat shock stress. <i>Plant Science</i> , 2012, 193-194, 110-119.	1.7	12
5311	The <i>Arabidopsis</i> F-box protein AtFBS1 interacts with 14-3-3 proteins. <i>Plant Science</i> , 2012, 195, 36-47.	1.7	12
5312	The <i>Arabidopsis</i> ARCP Protein, CS11, Which Is Required for Microtubule Stability, Is Necessary for Root and Anther Development. <i>Plant Cell</i> , 2012, 24, 1066-1080.	3.1	49
5313	The <i>Arabidopsis</i> TRM1â€“TON1 Interaction Reveals a Recruitment Network Common to Plant Cortical Microtubule Arrays and Eukaryotic Centrosomes. <i>Plant Cell</i> , 2012, 24, 178-191.	3.1	97
5314	INVOLVED IN DE NOVO 2-containing complex involved in RNA-directed DNA methylation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8374-8381.	3.3	85
5315	Ectopic expression of an <i>Ammopiptanthus mongolicus</i> H ⁺ -pyrophosphatase gene enhances drought and salt tolerance in <i>Arabidopsis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 359-369.	1.2	19
5316	Auxin regulates aquaporin function to facilitate lateral root emergence. <i>Nature Cell Biology</i> , 2012, 14, 991-998.	4.6	323

#	ARTICLE	IF	CITATIONS
5317	A Gain-of-Function Polymorphism Controlling Complex Traits and Fitness in Nature. <i>Science</i> , 2012, 337, 1081-1084.	6.0	158
5318	Mutations in an <i>Arabidopsis</i> Mitochondrial Transcription Termination Factor-Related Protein Enhance Thermotolerance in the Absence of the Major Molecular Chaperone HSP101. <i>Plant Cell</i> , 2012, 24, 3349-3365.	3.1	94
5319	Demethylesterification of the Primary Wall by PECTIN METHYLESTERASE35 Provides Mechanical Support to the <i>Arabidopsis</i> Stem. <i>Plant Cell</i> , 2012, 24, 2624-2634.	3.1	155
5320	Expression of a bacterial feedback-insensitive 3-deoxy- α -arabinoheptulosonate 7-phosphate synthase of the shikimate pathway in <i>Arabidopsis</i> elucidates potential metabolic bottlenecks between primary and secondary metabolism. <i>New Phytologist</i> , 2012, 194, 430-439.	3.5	98
5321	Plant γ H2AX foci are required for proper DNA DSB repair responses and colocalize with E2F factors. <i>New Phytologist</i> , 2012, 194, 353-363.	3.5	57
5322	Deletion of <i>MP/ARF5</i> domains III and IV reveals a requirement for <i>Aux/IAA</i> regulation in <i>Arabidopsis</i> leaf vascular patterning. <i>New Phytologist</i> , 2012, 194, 391-401.	3.5	99
5323	The <i>Arabidopsis</i> γ protein AtDjB1 facilitates thermotolerance by protecting cells against heat-induced oxidative damage. <i>New Phytologist</i> , 2012, 194, 364-378.	3.5	68
5324	Heterologous expression of the yeast arsenite efflux system ACR3 improves <i>Arabidopsis thaliana</i> tolerance to arsenic stress. <i>New Phytologist</i> , 2012, 194, 716-723.	3.5	66
5325	UGT87A2, an <i>Arabidopsis</i> glycosyltransferase, regulates flowering time via <i>FLOWERING LOCUS C</i> . <i>New Phytologist</i> , 2012, 194, 666-675.	3.5	73
5326	Several components of SKP1/Cullin/F-box E3 ubiquitin ligase complex and associated factors play a role in <i>Agrobacterium</i> -mediated plant transformation. <i>New Phytologist</i> , 2012, 195, 203-216.	3.5	32
5327	The Mediator subunit SFR6/MED16 controls defence gene expression mediated by salicylic acid and jasmonate responsive pathways. <i>New Phytologist</i> , 2012, 195, 217-230.	3.5	100
5328	The Pht1;9 and Pht1;8 transporters mediate inorganic phosphate acquisition by the <i>Arabidopsis thaliana</i> root during phosphorus starvation. <i>New Phytologist</i> , 2012, 195, 356-371.	3.5	212
5329	Role of recently evolved miRNA regulation of sunflower <i>HaWRKY6</i> in response to temperature damage. <i>New Phytologist</i> , 2012, 195, 766-773.	3.5	118
5330	An Essential Pentatricopeptide Repeat Protein Facilitates 5 ^{â€²} Maturation and Translation Initiation of <i>rps3</i> mRNA in Maize Mitochondria. <i>Plant Cell</i> , 2012, 24, 3087-3105.	3.1	93
5331	The MEK1-MKK1/MKK2-MPK4 Kinase Cascade Negatively Regulates Immunity Mediated by a Mitogen-Activated Protein Kinase Kinase Kinase in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2225-2236.	3.1	219
5332	The Phytochrome-Interacting VASCULAR PLANT ONE-ZINC FINGER1 and VOZ2 Redundantly Regulate Flowering in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3248-3263.	3.1	84
5333	Inducible Repression of Multiple Expansin Genes Leads to Growth Suppression during Leaf Development. <i>Plant Physiology</i> , 2012, 159, 1759-1770.	2.3	85
5334	An Interaction Between BZR1 and DELLAs Mediates Direct Signaling Crosstalk Between Brassinosteroids and Gibberellins in <i>Arabidopsis</i> . <i>Science Signaling</i> , 2012, 5, ra72.	1.6	252

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5335	Natural Variation in Arabidopsis: From Molecular Genetics to Ecological Genomics. <i>Plant Physiology</i> , 2012, 158, 2-22.	2.3	330
5336	Isolation and Functional Characterisation of the Genes Encoding Δ^8 -Sphingolipid Desaturase from <i>Brassica rapa</i> . <i>Journal of Genetics and Genomics</i> , 2012, 39, 47-59.	1.7	10
5337	A novel F-box protein represses endothelial secondary wall thickening for anther dehiscence in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2012, 169, 212-216.	1.6	27
5338	Functional complementation of <i>dwf4</i> mutants of <i>Arabidopsis</i> by overexpression of CYP724A1. <i>Journal of Plant Physiology</i> , 2012, 169, 421-428.	1.6	22
5339	Molecular characterization of an anthocyanin-related glutathione S-transferase gene in cyclamen. <i>Journal of Plant Physiology</i> , 2012, 169, 636-642.	1.6	75
5340	Characterization and expression analysis of six MADS-box genes in maize (<i>Zea mays</i> L.). <i>Journal of Plant Physiology</i> , 2012, 169, 797-806.	1.6	54
5341	The apple WD40 protein MdTTG1 interacts with bHLH but not MYB proteins to regulate anthocyanin accumulation. <i>Journal of Plant Physiology</i> , 2012, 169, 710-717.	1.6	198
5342	Cloning and characterization of a Δ^2 -ketoacyl-acyl carrier protein synthase II from <i>Jatropha curcas</i> . <i>Journal of Plant Physiology</i> , 2012, 169, 816-824.	1.6	26
5343	The AP2-like gene <i>NsAP2</i> from water lily is involved in floral organogenesis and plant height. <i>Journal of Plant Physiology</i> , 2012, 169, 992-998.	1.6	25
5344	Biochemical characterization of a chloroplast localized fatty acid reductase from <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 1244-1255.	1.2	23
5345	Enhanced tolerance to NaCl and LiCl stresses by over-expressing <i>Caragana korshinskii</i> sodium/proton exchanger 1 (<i>CkNHX1</i>) and the hydrophilic C terminus is required for the activity of <i>CkNHX1</i> in <i>Atsos3-1</i> mutant and yeast. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 732-737.	1.0	11
5346	Functional analysis of the rice rubisco activase promoter in transgenic <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 565-570.	1.0	12
5347	<i>AtPP2CG1</i> , a protein phosphatase 2C, positively regulates salt tolerance of <i>Arabidopsis</i> in abscisic acid-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 710-715.	1.0	83
5348	Interaction between a plasma membrane-localized ankyrin-repeat protein <i>ITN1</i> and a nuclear protein <i>RTV1</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 392-397.	1.0	2
5349	Overexpression of a nascent polypeptide associated complex gene (<i>SaΔ^2NAC</i>) of <i>Spartina alterniflora</i> improves tolerance to salinity and drought in transgenic <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 747-752.	1.0	31
5350	Expression of the Cameleon calcium biosensor in fungi reveals distinct Ca^{2+} signatures associated with polarized growth, development, and pathogenesis. <i>Fungal Genetics and Biology</i> , 2012, 49, 589-601.	0.9	48
5351	Different Auxin Response Machineries Control Distinct Cell Fates in the Early Plant Embryo. <i>Developmental Cell</i> , 2012, 22, 211-222.	3.1	176
5352	Control of Seed Germination by Light-Induced Histone Arginine Demethylation Activity. <i>Developmental Cell</i> , 2012, 22, 736-748.	3.1	128

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5354	Retrograde Signaling by the Plastidial Metabolite MEcPP Regulates Expression of Nuclear Stress-Response Genes. <i>Cell</i> , 2012, 149, 1525-1535.	13.5	368
5355	Functional Consequences of Subunit Diversity in RNA Polymerases II and V. <i>Cell Reports</i> , 2012, 1, 208-214.	2.9	24
5356	A novel histidine kinase gene, ZmHK9, mediate drought tolerance through the regulation of stomatal development in Arabidopsis. <i>Gene</i> , 2012, 501, 171-179.	1.0	17
5357	Identification and characterization of fructose 1,6-bisphosphate aldolase genes in Arabidopsis reveal a gene family with diverse responses to abiotic stresses. <i>Gene</i> , 2012, 503, 65-74.	1.0	145
5358	Overexpression of a wheat MYB transcription factor gene, TaMYB56-B, enhances tolerances to freezing and salt stresses in transgenic Arabidopsis. <i>Gene</i> , 2012, 505, 100-107.	1.0	41
5359	Cloning, characterization and promoter analysis of S-RNase gene promoter from Chinese pear (<i>Pyrus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 TF	1.0	5
5360	Identification and expression analysis of the Glycine max CYP707A gene family in response to drought and salt stresses. <i>Annals of Botany</i> , 2012, 110, 743-756.	1.4	46
5361	<i>Arabidopsis</i> WD REPEAT DOMAIN55 Interacts with DNA DAMAGED BINDING PROTEIN1 and Is Required for Apical Patterning in the Embryo. <i>Plant Cell</i> , 2012, 24, 1013-1033.	3.1	27
5362	Identification and Characterization of <i>ANAC042</i> , a Transcription Factor Family Gene Involved in the Regulation of Camalexin Biosynthesis in <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 684-696.	1.4	104
5363	Characterization of a Glucosyltransferase Enzyme Involved in the Formation of Kaempferol and Quercetin Sophorosides in <i>Crocus sativus</i> . <i>Plant Physiology</i> , 2012, 159, 1335-1354.	2.3	55
5364	Mutations in the <i>Arabidopsis</i> Homolog of LST8/GÎ²L, a Partner of the Target of Rapamycin Kinase, Impair Plant Growth, Flowering, and Metabolic Adaptation to Long Days. <i>Plant Cell</i> , 2012, 24, 463-481.	3.1	206
5365	Spatial control of flowering by DELLA proteins in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2012, 139, 4072-4082.	1.2	154
5366	Probing the <i>Arabidopsis</i> Flagellin Receptor: FLS2-FLS2 Association and the Contributions of Specific Domains to Signaling Function. <i>Plant Cell</i> , 2012, 24, 1096-1113.	3.1	104
5367	Versatile roles of Arabidopsis plastid ribosomal proteins in plant growth and development. <i>Plant Journal</i> , 2012, 72, 922-934.	2.8	89
5368	<i>FtsHi1/ARC1</i> is an essential gene in Arabidopsis that links chloroplast biogenesis and division. <i>Plant Journal</i> , 2012, 72, 856-867.	2.8	42
5369	The pepper <i>MLO</i> gene, <i>CaMLO2</i> , is involved in the susceptibility cellâ€death response and bacterial and oomycete proliferation. <i>Plant Journal</i> , 2012, 72, 843-855.	2.8	85
5370	Technologies of Agrobacterium plant transformation In planta. <i>Applied Biochemistry and Microbiology</i> , 2012, 48, 657-666.	0.3	13

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5372	Characterization of a set of novel meiotically-active promoters in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2012, 12, 104.	1.6	22
5373	Transcript profiling of cytokinin action in <i>Arabidopsis</i> roots and shoots discovers largely similar but also organ-specific responses. <i>BMC Plant Biology</i> , 2012, 12, 112.	1.6	89
5374	The <i>Arabidopsis</i> apyrase AtAPY1 is localized in the Golgi instead of the extracellular space. <i>BMC Plant Biology</i> , 2012, 12, 123.	1.6	33
5375	CCS52A2/FZR1, a cell cycle regulator, is an essential factor for shoot apical meristem maintenance in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2012, 12, 135.	1.6	17
5376	Mutation of the cytosolic ribosomal protein-encoding RPS10B gene affects shoot meristematic function in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2012, 12, 160.	1.6	25
5377	FILAMENTOUS FLOWER controls lateral organ development by acting as both an activator and a repressor. <i>BMC Plant Biology</i> , 2012, 12, 176.	1.6	80
5378	Insights into the molecular mechanism of RGL2-mediated inhibition of seed germination in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2012, 12, 179.	1.6	48
5379	A stress inducible SUMO conjugating enzyme gene (SaSce9) from a grass halophyte <i>Spartina alterniflora</i> enhances salinity and drought stress tolerance in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2012, 12, 187.	1.6	61
5380	Requirement of proline synthesis during <i>Arabidopsis</i> reproductive development. <i>BMC Plant Biology</i> , 2012, 12, 191.	1.6	141
5381	A role for BELLRINGER in cell wall development is supported by loss-of-function phenotypes. <i>BMC Plant Biology</i> , 2012, 12, 212.	1.6	21
5382	Positive- and negative-acting regulatory elements contribute to the tissue-specific expression of INNER NO OUTER, a YABBY-type transcription factor gene in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2012, 12, 214.	1.6	35
5383	The cold-induced basic helix-loop-helix transcription factor gene MdCibHLLH1 encodes an ICE-like protein in apple. <i>BMC Plant Biology</i> , 2012, 12, 22.	1.6	162
5384	miRNA164-directed cleavage of ZmNAC1 confers lateral root development in maize (<i>Zea mays</i> L.). <i>BMC Plant Biology</i> , 2012, 12, 220.	1.6	102
5385	Perturbation of cytokinin and ethylene-signalling pathways explain the strong rooting phenotype exhibited by <i>Arabidopsis</i> expressing the <i>Schizosaccharomyces pombe</i> mitotic inducer, cdc25.. <i>BMC Plant Biology</i> , 2012, 12, 45.	1.6	7
5386	Atypical DNA methylation of genes encoding cysteine-rich peptides in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2012, 12, 51.	1.6	26
5387	Interactions of an <i>Arabidopsis</i> RanBPM homologue with LisH-CTLH domain proteins revealed high conservation of CTLH complexes in eukaryotes. <i>BMC Plant Biology</i> , 2012, 12, 83.	1.6	29
5388	Very bright orange fluorescent plants: endoplasmic reticulum targeting of orange fluorescent proteins as visual reporters in transgenic plants. <i>BMC Biotechnology</i> , 2012, 12, 17.	1.7	34

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5390	The Bxb1 recombination system demonstrates heritable transmission of site-specific excision in Arabidopsis. <i>BMC Biotechnology</i> , 2012, 12, 9.	1.7	34
5391	Targeted parallel sequencing of large genetically-defined genomic regions for identifying mutations in Arabidopsis. <i>Plant Methods</i> , 2012, 8, 12.	1.9	19
5392	Engineering of plants with improved properties as biofuels feedstocks by vessel-specific complementation of xylan biosynthesis mutants. <i>Biotechnology for Biofuels</i> , 2012, 5, 84.	6.2	97
5393	Comprehensive analysis of differentially expressed rice actin depolymerizing factor gene family and heterologous overexpression of OsADF3 confers Arabidopsis Thaliana drought tolerance. <i>Rice</i> , 2012, 5, 33.	1.7	51
5394	Enhancement of meristem formation by <i>bouquet</i> , a mis-sense allele of the <i>VERNALIZATION INDEPENDENCE 3</i> gene encoding a WD40 repeat protein in <i>Arabidopsis thaliana</i> . <i>Genes To Cells</i> , 2012, 17, 982-993.	0.5	10
5395	Homologous RXLR effectors from <i>Hyaloperonospora arabidopsidis</i> and <i>Phytophthora sojae</i> suppress immunity in distantly related plants. <i>Plant Journal</i> , 2012, 72, 882-893.	2.8	88
5396	Lack of the Golgi phosphate transporter PHT4;6 causes strong developmental defects, constitutively activated disease resistance mechanisms and altered intracellular phosphate compartmentation in Arabidopsis. <i>Plant Journal</i> , 2012, 72, 732-744.	2.8	49
5397	Characterization of temperature-sensitive mutants reveals a role for receptor-like kinase SCRAMBLED/STRUBBELIG in coordinating cell proliferation and differentiation during Arabidopsis leaf development. <i>Plant Journal</i> , 2012, 72, 707-720.	2.8	36
5398	Identification of marneral synthase, which is critical for growth and development in Arabidopsis. <i>Plant Journal</i> , 2012, 72, 791-804.	2.8	33
5399	Proteins from the FLOWERING LOCUS T-like subclade of the PEBP family act antagonistically to regulate floral initiation in tobacco. <i>Plant Journal</i> , 2012, 72, 908-921.	2.8	120
5400	Alternative Oxidases (AOX1a and AOX2) Can Functionally Substitute for Plastid Terminal Oxidase in <i>Arabidopsis</i> Chloroplasts. <i>Plant Cell</i> , 2012, 24, 1579-1595.	3.1	57
5401	Long-distance movement of Arabidopsis FLOWERING LOCUS T RNA participates in systemic floral regulation. <i>RNA Biology</i> , 2012, 9, 653-662.	1.5	78
5402	Egg Cell-Secreted EC1 Triggers Sperm Cell Activation During Double Fertilization. <i>Science</i> , 2012, 338, 1093-1097.	6.0	273
5403	The Golgi-Localized Arabidopsis Endomembrane Protein12 Contains Both Endoplasmic Reticulum Export and Golgi Retention Signals at Its C Terminus. <i>Plant Cell</i> , 2012, 24, 2086-2104.	3.1	98
5404	Two Related RNA-editing Proteins Target the Same Sites in Mitochondria of Arabidopsis thaliana. <i>Journal of Biological Chemistry</i> , 2012, 287, 38064-38072.	1.6	38
5405	Analysis of conifer FLOWERING LOCUS T/TERMINAL FLOWER1-like genes provides evidence for dramatic biochemical evolution in the angiosperm FT lineage. <i>New Phytologist</i> , 2012, 196, 1260-1273.	3.5	90
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5408	Characterization of Genes Involved in Cytokinin Signaling and Metabolism from Rice. <i>Plant Physiology</i> , 2012, 158, 1666-1684.	2.3	197
5409	Production of Plant Made Pharmaceuticals: From Plant Host to Functional Protein. <i>Critical Reviews in Plant Sciences</i> , 2012, 31, 148-180.	2.7	25
5410	Metabolite Profiling of <i>Arabidopsis</i> Inoculated with <i>Alternaria brassicicola</i> Reveals That Ascorbate Reduces Disease Severity. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 1628-1638.	1.4	54
5411	Proteomics-based identification of low-abundance signaling and regulatory protein complexes in native plant tissues. <i>Nature Protocols</i> , 2012, 7, 2144-2158.	5.5	90
5412	XopR, a Type III Effector Secreted by <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , Suppresses Microbe-Associated Molecular Pattern-Triggered Immunity in <i>Arabidopsis thaliana</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 505-514.	1.4	57
5413	Production of Camel-Like Antibodies in Plants. <i>Methods in Molecular Biology</i> , 2012, 911, 305-324.	0.4	21
5414	Cotton Pistil Drip Transformation Method. <i>Methods in Molecular Biology</i> , 2012, 847, 237-243.	0.4	6
5415	Over-expression of a novel JAZ family gene from Glycine soja, increases salt and alkali stress tolerance. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 273-279.	1.0	69
5416	Drought-induced activation and rehydration-induced inactivation of MPK6 in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 626-629.	1.0	29
5417	Ectopic expression of ubiquitin-conjugating enzyme gene from wild rice, OgUBC1, confers resistance against UV-B radiation and Botrytis infection in <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 309-314.	1.0	27
5418	JAGGED Controls Growth Anisotropy and Coordination between Cell Size and Cell Cycle during Plant Organogenesis. <i>Current Biology</i> , 2012, 22, 1739-1746.	1.8	70
5419	Molecular cloning and functional analysis of two FAD2 genes from American grape (<i>Vitis labrusca</i> L.). <i>Gene</i> , 2012, 509, 189-194.	1.0	36
5420	Isolation and characterization of a bread wheat salinity responsive ERF transcription factor. <i>Gene</i> , 2012, 511, 38-45.	1.0	47
5421	Promoter activities of genes encoding Î²-galactosidases from <i>Arabidopsis</i> a1 subfamily. <i>Plant Physiology and Biochemistry</i> , 2012, 60, 223-232.	2.8	12
5422	Potentials toward genetic engineering of drought-tolerant soybean. <i>Critical Reviews in Biotechnology</i> , 2012, 32, 349-362.	5.1	94
5423	<i>Arabidopsis</i> Clade I TGA Transcription Factors Regulate Plant Defenses in an NPR1-Independent Fashion. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 1459-1468.	1.4	85
5424	Transgenic Expression of Therapeutic Proteins in <i>Arabidopsis thaliana</i> Seed. <i>Methods in Molecular Biology</i> , 2012, 899, 239-264.	0.4	6

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5425	Reverse breeding in <i>Arabidopsis thaliana</i> generates homozygous parental lines from a heterozygous plant. <i>Nature Genetics</i> , 2012, 44, 467-470.	9.4	97
5426	Transformation Using Controlled cDNA Overexpression System. <i>Methods in Molecular Biology</i> , 2012, 913, 277-290.	0.4	5
5427	High Frequency of Single-Copy T-DNA Transformants Produced After Floral Dip in CRE-Expressing <i>Arabidopsis</i> Plants. <i>Methods in Molecular Biology</i> , 2012, 847, 317-333.	0.4	2
5428	Evolution of the chalcone-isomerase fold from fatty-acid binding to stereospecific catalysis. <i>Nature</i> , 2012, 485, 530-533.	13.7	191
5429	Transformation of the oilseed crop <i>Camelina sativa</i> by <i>Agrobacterium</i> -mediated floral dip and simple large-scale screening of transformants. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2012, 48, 462-468.	0.9	73
5430	Involvement of <i>Arabidopsis</i> CPR5 in thermotolerance. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2093-2103.	1.0	6
5431	OsDof25 expression alters carbon and nitrogen metabolism in <i>Arabidopsis</i> under high N-supply. <i>Plant Biotechnology Reports</i> , 2012, 6, 327-337.	0.9	39
5432	Involvement of rice Polycomb protein OsFIE2 in plant growth and seed size. <i>Plant Biotechnology Reports</i> , 2012, 6, 339-346.	0.9	5
5433	<i>Agrobacterium</i> -Mediated Gene Transfer in Plants and Biosafety Considerations. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 1953-1975.	1.4	26
5434	Two Different Banana NPR1-Like Coding Sequences Confer Similar Protection Against Pathogens in <i>Arabidopsis</i> . <i>Tropical Plant Biology</i> , 2012, 5, 309-316.	1.0	5
5435	<i>Brassica carinata</i> CIL1 mediates extracellular ROS production during auxin- and ABA-regulated lateral root development. <i>Journal of Plant Biology</i> , 2012, 55, 361-372.	0.9	8
5436	Identification and analysis of cold stress-inducible genes in Korean rapeseed varieties. <i>Journal of Plant Biology</i> , 2012, 55, 498-512.	0.9	5
5437	Ectopic expression of a wheat MYB transcription factor gene, TaMYB73, improves salinity stress tolerance in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 1511-1522.	2.4	164
5438	A wheat R2R3-MYB gene, TaMYB30-B, improves drought stress tolerance in transgenic <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 5873-5885.	2.4	142
5439	AtSIA1, an ABC1-like kinase, regulates salt response in <i>Arabidopsis</i> . <i>Biologia (Poland)</i> , 2012, 67, 1107-1111.	0.8	10
5440	Production of active human glucocerebrosidase in seeds of <i>Arabidopsis thaliana</i> complex-glycan-deficient (cgl) plants. <i>Glycobiology</i> , 2012, 22, 492-503.	1.3	48
5441	Presence of tannins in sorghum grains is conditioned by different natural alleles of <i>Tannin1</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10281-10286.	3.3	156
5442	Functional Analysis of Gene-Silencing Suppressors from Tomato Yellow Leaf Curl Disease Viruses. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 1294-1306.	1.4	98

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5444	The BLADE-ON-PETIOLE genes of <i>Arabidopsis</i> are essential for resistance induced by methyl jasmonate. <i>BMC Plant Biology</i> , 2012, 12, 199.	1.6	28
5445	Transcriptomic and metabolomic analysis of Yukon <i>Thellungiella</i> plants grown in cabinets and their natural habitat show phenotypic plasticity. <i>BMC Plant Biology</i> , 2012, 12, 175.	1.6	44
5446	The Translation Elongation Factor eEF-1B ²¹ Is Involved in Cell Wall Biosynthesis and Plant Development in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2012, 7, e30425.	1.1	27
5447	Subcellular Localization of Class II HDAs in <i>Arabidopsis thaliana</i> : Nucleocytoplasmic Shuttling of HDA15 Is Driven by Light. <i>PLoS ONE</i> , 2012, 7, e30846.	1.1	55
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5588	ACCELERATED CELL DEATH 2 suppresses mitochondrial oxidative bursts and modulates cell death in Arabidopsis. <i>Plant Journal</i> , 2012, 69, 589-600.	2.8	47
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5590	An efficient <i>Agrobacterium</i> -mediated transient transformation of Arabidopsis. <i>Plant Journal</i> , 2012, 69, 713-719.	2.8	95
5591	An ABA-regulated and Golgi-localized protein phosphatase controls water loss during leaf senescence in Arabidopsis. <i>Plant Journal</i> , 2012, 69, 667-678.	2.8	163
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5594	Establishment of a <i>Lotus japonicus</i> gene tagging population using the exon-targeting endogenous retrotransposon <i>LORE1</i> . <i>Plant Journal</i> , 2012, 69, 720-730.	2.8	109
5595	Genome-wide <i>LORE1</i> retrotransposon mutagenesis and high-throughput insertion detection in <i>Lotus japonicus</i> . <i>Plant Journal</i> , 2012, 69, 731-741.	2.8	149
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5599	Functional characterisation of <i>HvCO1</i> , the barley (<i>Hordeum vulgare</i>) flowering time ortholog of <i>CONSTANS</i> . <i>Plant Journal</i> , 2012, 69, 868-880.	2.8	136
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5603	ROP11 GTPase is a Negative Regulator of Multiple ABA Responses in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2012, 54, 169-179.	4.1	46
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5638	The RS domain of <i>Arabidopsis</i> splicing factor RRC1 is required for phytochrome B signal transduction. <i>Plant Journal</i> , 2012, 70, 727-738.	2.8	58
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5640	Proper regeneration from <i>in vitro</i> cultured <i>Arabidopsis thaliana</i> requires the microRNA-directed action of an auxin response factor. <i>Plant Journal</i> , 2012, 71, 14-22.	2.8	71

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5715	Molecular character of a phosphatase 2C (PP2C) gene relation to stress tolerance in <i>Arabidopsis thaliana</i> . <i>Molecular Biology Reports</i> , 2013, 40, 2633-2644.	1.0	39
5716	Overexpression of AtWRKY30 enhances abiotic stress tolerance during early growth stages in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2013, 83, 265-277.	2.0	152
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5723	The myristoylated amino-terminus of an <i>Arabidopsis</i> calcium-dependent protein kinase mediates plasma membrane localization. <i>Plant Molecular Biology</i> , 2013, 82, 267-278.	2.0	54
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5728	Metallothioneins BcMT1 and BcMT2 from <i>Brassica campestris</i> enhance tolerance to cadmium and copper and decrease production of reactive oxygen species in <i>Arabidopsis thaliana</i> . <i>Plant and Soil</i> , 2013, 367, 507-519.	1.8	88
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5733	Overexpression of a Maize Transcription Factor ZmPHR1 Improves Shoot Inorganic Phosphate Content and Growth of <i>Arabidopsis</i> under Low-Phosphate Conditions. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 665-677.	1.0	33
5734	Overexpression of TaHSF3 in Transgenic <i>Arabidopsis</i> Enhances Tolerance to Extreme Temperatures. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 688-697.	1.0	49
5735	Analysis of B-Class Genes NAP3L3 and NAP3L4 in <i>Narcissus tazetta</i> var. <i>chinensis</i> . <i>Plant Molecular Biology Reporter</i> , 2013, 31, 255-263.	1.0	3
5736	Metabolic Engineering of Plant Cellular Metabolism: Methodologies, Advances, and Future Directions. , 2013, , 359-393.		3
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5739	<i>Arabidopsis thaliana</i> <i>bZIP44</i> : a transcription factor affecting seed germination and expression of the mannanase-encoding gene <i>AtMAN7</i> . <i>Plant Journal</i> , 2013, 74, 767-780.	2.8	76
5740	The plant-specific transcription factor gene <i>NAC103</i> is induced by <i>bZIP60</i> through a new cis-regulatory element to modulate the unfolded protein response in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2013, 76, 274-286.	2.8	110
5741	Promoter Analysis for Three Types of EUL-Related Rice Lectins in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2013, 31, 1315-1324.	1.0	5
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5743	Employing in vitro directed molecular evolution for the selection of α -amylase variant inhibitors with activity toward cotton boll weevil enzyme. <i>Journal of Biotechnology</i> , 2013, 167, 377-385.	1.9	7
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5746	The Use of HyPer to Examine Spatial and Temporal Changes in H ₂ O ₂ in High Light-Exposed Plants. <i>Methods in Enzymology</i> , 2013, 527, 185-201.	0.4	21
5747	Cloning, functional characterisation and transgenic manipulation of vitamin E biosynthesis genes of wheat. <i>Functional Plant Biology</i> , 2013, 40, 1129.	1.1	8
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5751	<scp>A</scp>t<scp>LAZY</scp>1 is a signaling component required for gravitropism of the <i><scp>A</scp>rabidopsis thaliana</i> inflorescence. <i>Plant Journal</i> , 2013, 74, 267-279.	2.8	125
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5753	Molecular Characterization and Expression of Ethylene Biosynthetic Genes During Cut Flower Development in Tree Peony (<i>Paeonia suffruticosa</i>) in Response to Ethylene and Functional Analysis of PsACS1 in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Growth Regulation</i> , 2013, 32, 362-375.	2.8	13
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5762	Comparison of global responses to mild deficiency and excess copper levels in <i>Arabidopsis</i> seedlings. <i>Metallomics</i> , 2013, 5, 1234.	1.0	28
5763	Reconstructing de novo silencing of an active plant retrotransposon. <i>Nature Genetics</i> , 2013, 45, 1029-1039.	9.4	248
5764	A novel stress-associated protein SbSAP14 from <i>Sorghum bicolor</i> confers tolerance to salt stress in transgenic rice. <i>Molecular Breeding</i> , 2013, 32, 437-449.	1.0	27
5765	OsSNDP1, a Sec14-nodulin domain-containing protein, plays a critical role in root hair elongation in rice. <i>Plant Molecular Biology</i> , 2013, 82, 39-50.	2.0	62
5766	A 286Âbp upstream regulatory region of a rice anther-specific gene, OSIPP3, confers pollen-specific expression in <i>Arabidopsis</i> . <i>Biotechnology Letters</i> , 2013, 35, 455-462.	1.1	11
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5773	Homologous HAP5 subunit from <i>Picea wilsonii</i> improved tolerance to salt and decreased sensitivity to ABA in transformed <i>Arabidopsis</i> . <i>Planta</i> , 2013, 238, 345-356.	1.6	31
5774	A Glycine soja ABA-responsive receptor-like cytoplasmic kinase, GsRLCK, positively controls plant tolerance to salt and drought stresses. <i>Planta</i> , 2013, 237, 1527-1545.	1.6	48
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5781	Molecular characterization of loquat EjAP1 gene in relation to flowering. <i>Plant Growth Regulation</i> , 2013, 70, 287-296.	1.8	30
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5784	Inhibition of histone deacetylation alters <i>Arabidopsis</i> root growth in response to auxin via PIN1 degradation. <i>Plant Cell Reports</i> , 2013, 32, 1625-1636.	2.8	39
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5799	Isolation and characterization of two VpYABBY genes from wild Chinese <i>Vitis pseudoreticulata</i> . <i>Protoplasma</i> , 2013, 250, 1315-1325.	1.0	20
5800	Expression of <i>Ceratophyllum demersum</i> phytochelatin synthase, CdPCS1, in <i>Escherichia coli</i> and Arabidopsis enhances heavy metal(loid)s accumulation. <i>Protoplasma</i> , 2013, 250, 1263-1272.	1.0	63
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5805	Identification of phosphate-starvation-inducible gene <i>BnIPS1</i> in <i>Brassica napus</i> . <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2085-2094.	1.0	2
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5820	The <i>SIFRK4</i> promoter is active only during late stages of pollen and anther development. <i>Plant Science</i> , 2013, 199-200, 61-70.	1.7	37
5821	ABA-insensitive (<i>ABI</i>) 4 and <i>ABI5</i> synergistically regulate <i>DCAT1</i> expression in <i>Arabidopsis</i> seedlings under stress. <i>FEBS Letters</i> , 2013, 587, 3076-3082.	1.3	75

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5823	Live-Cell Imaging of Microtubules and Microtubule-Associated Proteins in Arabidopsis thaliana. <i>Methods in Cell Biology</i> , 2013, 115, 231-246.	0.5	1
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5836	A novel calcium-dependent protein kinase gene from Populus euphratica, confers both drought and cold stress tolerance. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 630-636.	1.0	79
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5854	Tightly controlled WRKY23 expression mediates Arabidopsis embryo development. <i>EMBO Reports</i> , 2013, 14, 1136-1142.	2.0	61
5855	Nuclear Trapping Controls the Position-Dependent Localization of CAPRICE in the Root Epidermis of Arabidopsis. <i>Plant Physiology</i> , 2013, 163, 193-204.	2.3	50
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5857	The ULT1 and ULT2 trxC Genes Play Overlapping Roles in Arabidopsis Development and Gene Regulation. <i>Molecular Plant</i> , 2013, 6, 1564-1579.	3.9	32

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5859	Antagonistic Regulation of Leaf Flattening by Phytochrome B and Phototropin in <i>Arabidopsis thaliana</i> . Plant and Cell Physiology, 2013, 54, 69-79.	1.5	44
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5864	Characterization of differential expression and leader intron function of <i>Arabidopsis atTOC159</i> homologous genes by transgenic plants. , 2013, 54, 40.		1
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5867	Disruption of plastid acyl:acyl carrier protein synthetases increases medium chain fatty acid accumulation in seeds of transgenic <i>Arabidopsis</i> . FEBS Letters, 2013, 587, 936-942.	1.3	41
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5871	<i>MIDGET</i> connects <i>COP1</i> -dependent development with endoreduplication in <i>Arabidopsis thaliana</i> . Plant Journal, 2013, 75, 67-79.	2.8	10
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5873	The <i>Arabidopsis thaliana</i> MYB60 promoter provides a tool for the spatio-temporal control of gene expression in stomatal guard cells. Journal of Experimental Botany, 2013, 64, 3361-3371.	2.4	54
5874	A New β -Estradiol-Inducible Vector Set that Facilitates Easy Construction and Efficient Expression of Transgenes Reveals CBL3-Dependent Cytoplasm to Tonoplast Translocation of CIPK5. Molecular Plant, 2013, 6, 1814-1829.	3.9	66
5875	Co-Expression of Monodehydroascorbate Reductase and Dehydroascorbate Reductase from <i>Brassica rapa</i> Effectively Confers Tolerance to Freezing-Induced Oxidative Stress. Molecules and Cells, 2013, 36, 304-315.	1.0	42

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5892	Open Stomata 1 (<scp>OST</scp>1) is limiting in abscisic acid responses of <i>Arabidopsis</i> guard cells. <i>New Phytologist</i> , 2013, 200, 1049-1063.	3.5	171
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5896	Proteomics identifies ubiquitin-proteasome targets and new roles for chromatin-remodeling in the Arabidopsis response to phosphate starvation. <i>Journal of Proteomics</i> , 2013, 94, 1-22.	1.2	28
5897	<i>ALFIN</i> - <i>LIKE</i> 6 is involved in root hair elongation during phosphate deficiency in Arabidopsis. <i>New Phytologist</i> , 2013, 198, 709-720.	3.5	109
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5899	<i>GSA</i> - <i>1</i> / <i>ARG</i> 1 protects root gravitropism in <i>Arabidopsis</i> under ammonium stress. <i>New Phytologist</i> , 2013, 200, 97-111.	3.5	35
5900	Multi-petal cyclamen flowers produced by AGAMOUS chimeric repressor expression. <i>Scientific Reports</i> , 2013, 3, 2641.	1.6	55
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5925	High-Resolution Imaging of Cytoplasmic Ca^{2+} Dynamics in <i>Arabidopsis</i> Roots. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot073023.	0.2	15
5926	The CEP family in land plants: evolutionary analyses, expression studies, and role in <i>Arabidopsis</i> shoot development. <i>Journal of Experimental Botany</i> , 2013, 64, 5371-5381.	2.4	92
5927	CEP genes regulate root and shoot development in response to environmental cues and are specific to seed plants. <i>Journal of Experimental Botany</i> , 2013, 64, 5383-5394.	2.4	137
5928	A gypsy-like sequence from <i>Arabidopsis thaliana</i> exhibits enhancer-blocking activity in transgenic plants. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2013, 22, 35-42.	0.9	9
5929	Specificity of <i>Ocimum basilicum</i> geraniol synthase modified by its expression in different heterologous systems. <i>Journal of Biotechnology</i> , 2013, 163, 24-29.	1.9	41

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5931	Evidence for contribution of autophagy to <i>R</i> ubiquitin degradation during leaf senescence in <i>A. thaliana</i> . <i>Plant, Cell and Environment</i> , 2013, 36, 1147-1159.	2.8	79
5932	Wheat Oxophytodienoate Reductase Gene <i>TaOPR1</i> Confers Salinity Tolerance via Enhancement of Abscisic Acid Signaling and Reactive Oxygen Species Scavenging. <i>Plant Physiology</i> , 2013, 161, 1217-1228.	2.3	146
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5942	CONSTANS-LIKE 7 regulates branching and shade avoidance response in Arabidopsis. <i>Journal of Experimental Botany</i> , 2013, 64, 1017-1024.	2.4	74
5943	Genetic Dissection of Peroxisome-Associated Matrix Protein Degradation in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2013, 193, 125-141.	1.2	51
5944	An Arabidopsis Cell Growth Defect Factor-Related Protein, CRS, Promotes Plant Senescence by Increasing the Production of Hydrogen Peroxide. <i>Plant and Cell Physiology</i> , 2013, 54, 155-167.	1.5	36
5945	A novel protein kinase involved in Na ⁺ exclusion revealed from positional cloning. <i>Plant, Cell and Environment</i> , 2013, 36, 553-568.	2.8	79
5946	A KH Domain-Containing Putative RNA-Binding Protein Is Critical for Heat Stress-Responsive Gene Regulation and Thermotolerance in Arabidopsis. <i>Molecular Plant</i> , 2013, 6, 386-395.	3.9	54
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5949	Ectopic Expression of Sweet Potato Cysteine Protease SPCP3 Alters Phenotypic Traits and Enhances Drought Stress Sensitivity in Transgenic Arabidopsis Plants. <i>Journal of Plant Growth Regulation</i> , 2013, 32, 108-121.	2.8	16
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5954	Functional analysis of splice variant expression of MADS AFFECTING FLOWERING 2 of Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2013, 81, 57-69.	2.0	85
5955	Identification and analysis of an outer-seed-coat-specific promoter from Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2013, 81, 93-104.	2.0	28
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5958	Identification and Functional Characterization of the Promoter of a Phytoene Synthase from Sweet Orange (<i>Citrus sinensis</i> Osbeck). <i>Plant Molecular Biology Reporter</i> , 2013, 31, 64-74.	1.0	13
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5961	The Arabidopsis Rho of Plants GTPase AtROP6 Functions in Developmental and Pathogen Response Pathways. <i>Plant Physiology</i> , 2013, 161, 1172-1188.	2.3	77
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5969	Stable complex formation of thylakoidal processing peptidase and PGRL1. <i>FEBS Letters</i> , 2013, 587, 2226-2231.	1.3	12
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5971	Overexpression of tomato enhancer of SOS3-1 (<i>LeENH1</i>) in tobacco enhanced salinity tolerance by excluding Na ⁺ from the cytosol. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 150-158.	2.8	18
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5973	Interaction between Meristem Tissue Layers Controls Phyllotaxis. <i>Developmental Cell</i> , 2013, 26, 616-628.	3.1	71
5974	AtHSP17.8 overexpression in transgenic lettuce gives rise to dehydration and salt stress resistance phenotypes through modulation of ABA-mediated signaling. <i>Plant Cell Reports</i> , 2013, 32, 1953-1963.	2.8	35
5975	Genetic and biochemical basis for alternative routes of tocotrienol biosynthesis for enhanced vitamin E antioxidant production. <i>Plant Journal</i> , 2013, 73, 628-639.	2.8	54
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5981	An ATP Binding Cassette Transporter Is Required for Cuticular Wax Deposition and Desiccation Tolerance in the Moss <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2013, 25, 4000-4013.	3.1	100
5982	A Mediator of Singlet Oxygen Responses in <i>Chlamydomonas reinhardtii</i> and <i>Arabidopsis</i> Identified by a Luciferase-Based Genetic Screen in Algal Cells. <i>Plant Cell</i> , 2013, 25, 4209-4226.	3.1	82
5983	<i>Arabidopsis</i> Casein Kinase1 Proteins CK1.3 and CK1.4 Phosphorylate Cryptochrome2 to Regulate Blue Light Signaling. <i>Plant Cell</i> , 2013, 25, 2618-2632.	3.1	58

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5984	The circadian clock-associated gene <i>gigantea1</i> affects maize developmental transitions. <i>Plant, Cell and Environment</i> , 2013, 36, 1379-1390.	2.8	46
5985	Ectopic expression of <i>Brassica rapa</i> L. MDHAR increased tolerance to freezing stress by enhancing antioxidant systems of host plants. <i>South African Journal of Botany</i> , 2013, 88, 388-400.	1.2	16
5986	Suppression of <i>Arabidopsis</i> RING E3 ubiquitin ligase <i>AtATL78</i> increases tolerance to cold stress and decreases tolerance to drought stress. <i>FEBS Letters</i> , 2013, 587, 2584-2590.	1.3	73
5987	Overexpression of sheepgrass R1-MYB transcription factor LcMYB1 confers salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 70, 252-260.	2.8	71
5988	Characterization of NPR1 Genes from Norton and Cabernet Sauvignon Grapevine. <i>Journal of Integrative Agriculture</i> , 2013, 12, 1152-1161.	1.7	5
5989	Functional characterization of two microsomal fatty acid desaturases from <i>Jatropha curcas</i> L.. <i>Journal of Plant Physiology</i> , 2013, 170, 1360-1366.	1.6	23
5990	Expression of wheat expansin driven by the RD29 promoter in tobacco confers water-stress tolerance without impacting growth and development. <i>Journal of Biotechnology</i> , 2013, 163, 281-291.	1.9	81
5991	Functional characterization of the plant ubiquitin regulatory X (UBX) domain-containing protein <i>AtPUX7</i> in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2013, 526, 299-308.	1.0	29
5992	Glucosyltransferase UGT76C1 finely modulates cytokinin responses via cytokinin N-glucosylation in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 65, 9-16.	2.8	47
5993	Functional conservation between mammalian MGRN1 and plant LOG2 ubiquitin ligases. <i>FEBS Letters</i> , 2013, 587, 3400-3405.	1.3	15
5994	<i>Arabidopsis thaliana</i> nicotianamine synthase 4 is required for proper response to iron deficiency and to cadmium exposure. <i>Plant Science</i> , 2013, 209, 1-11.	1.7	46
5995	Acyl-glucose-dependent glucosyltransferase catalyzes the final step of anthocyanin formation in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2013, 170, 619-624.	1.6	48
5996	GsSRK, a G-type lectin S-receptor-like serine/threonine protein kinase, is a positive regulator of plant tolerance to salt stress. <i>Journal of Plant Physiology</i> , 2013, 170, 505-515.	1.6	153
5997	Metabolic engineering of <i>Arabidopsis</i> for butanetriol production using bacterial genes. <i>Metabolic Engineering</i> , 2013, 20, 109-120.	3.6	28
5998	Isolation and functional analysis of the CIM8-FRUITFULL-like MADS-box gene from <i>Chrysanthemum lavandulifolium</i> . <i>Scientia Horticulturae</i> , 2013, 161, 125-133.	1.7	14
5999	Molecular cloning of cryptochrome 1 from apple and its functional characterization in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 67, 169-177.	2.8	26
6000	Direct targeting of <i>Arabidopsis</i> cysteine synthase complexes with synthetic polypeptides to selectively deregulate cysteine synthesis. <i>Plant Science</i> , 2013, 207, 148-157.	1.7	2
6001	Evidence for the role of wheat eukaryotic translation initiation factor 3 subunit g (<i>TaeIF3g</i>) in abiotic stress tolerance. <i>Gene</i> , 2013, 532, 177-185.	1.0	21

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6002	Two novel diacylglycerol acyltransferase genes from <i>Xanthoceras sorbifolia</i> are responsible for its seed oil content. <i>Gene</i> , 2013, 527, 266-274.	1.0	27
6003	A novel salt-induced gene from sheepgrass, LcSAIN2, enhances salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 64, 52-59.	2.8	23
6004	A Modified MultiSite Gateway Cloning Strategy for Consolidation of Genes in Plants. <i>Molecular Biotechnology</i> , 2013, 53, 129-138.	1.3	25
6005	The Anticipation of Danger: Microbe-Associated Molecular Pattern Perception Enhances AtPep-Triggered Oxidative Burst. <i>Plant Physiology</i> , 2013, 161, 2023-2035.	2.3	88
6006	<i>Arabidopsis</i> plants constitutively overexpressing a myo-inositol 1-phosphate synthase gene (<i>SalNO1</i>) from the halophyte smooth cordgrass exhibits enhanced level of tolerance to salt stress. <i>Plant Physiology and Biochemistry</i> , 2013, 65, 61-66.	2.8	48
6007	A role for the RNA-binding protein MOS2 in microRNA maturation in <i>Arabidopsis</i> . <i>Cell Research</i> , 2013, 23, 645-657.	5.7	91
6008	EAT1 promotes tapetal cell death by regulating aspartic proteases during male reproductive development in rice. <i>Nature Communications</i> , 2013, 4, 1445.	5.8	285
6009	A salicylic acid-induced rice (<i>Oryza sativa</i> L.) transcription factor OsWRKY77 is involved in disease resistance of <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 2013, 15, 452-461.	1.8	43
6010	The D3cpv Cameleon reports Ca ²⁺ dynamics in plant mitochondria with similar kinetics of the YC3.6 Cameleon, but with a lower sensitivity. <i>Journal of Microscopy</i> , 2013, 249, 8-12.	0.8	18
6011	The <i>WOX13</i> homeobox gene promotes replum formation in the <i>Arabidopsis thaliana</i> fruit. <i>Plant Journal</i> , 2013, 73, 37-49.	2.8	94
6012	<i>Arabidopsis</i> RABA1 GTPases are involved in transport between the trans-Golgi network and the plasma membrane, and are required for salinity stress tolerance. <i>Plant Journal</i> , 2013, 73, 240-249.	2.8	83
6013	Replication factor <i>C1</i> (<i>RFC1</i>) is required for double-strand break repair during meiotic homologous recombination in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2013, 73, 154-165.	2.8	54
6014	<i>Arabidopsis</i> <i>wat1</i> (<i>walls are thin1</i>)-mediated resistance to the bacterial vascular pathogen, <i>Ralstonia solanacearum</i> , is accompanied by cross-regulation of salicylic acid and tryptophan metabolism. <i>Plant Journal</i> , 2013, 73, 225-239.	2.8	154
6015	<i>BAT1</i> , a putative acyltransferase, modulates brassinosteroid levels in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2013, 73, 380-391.	2.8	35
6016	<i>SUCROSE TRANSPORTER5</i> supplies <i>Arabidopsis</i> embryos with biotin and affects triacylglycerol accumulation. <i>Plant Journal</i> , 2013, 73, 392-404.	2.8	42
6017	A <i>GAL4</i> -based targeted activation tagging system in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 73, 357-367.	2.8	35
6018	The tyrosine-sulfated peptide receptors PSKR1 and PSY1R modify the immunity of <i>Arabidopsis</i> to biotrophic and necrotrophic pathogens in an antagonistic manner. <i>Plant Journal</i> , 2013, 73, 469-482.	2.8	163
6019	<i>AtMYB44</i> regulates <i>WRKY70</i> expression and modulates antagonistic interaction between salicylic acid and jasmonic acid signaling. <i>Plant Journal</i> , 2013, 73, 483-495.	2.8	176

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6021	Oomycete pathogens encode RNA silencing suppressors. Nature Genetics, 2013, 45, 330-333.	9.4	238
6022	A detrimental mitochondrial-nuclear interaction causes cytoplasmic male sterility in rice. Nature Genetics, 2013, 45, 573-577.	9.4	415
6023	Molecular cloning and functional analysis of a blue light receptor gene MdCRY2 from apple (Malus Tj ETQq1 1 0.784314 rgBJ/Overl...	2.8	48
6024	The bacterial effector <i>DspA/E</i> is toxic in <i>Arabidopsis thaliana</i> and is required for multiplication and survival of fire blight pathogen. Molecular Plant Pathology, 2013, 14, 506-517.	2.0	19
6025	Systemic analysis of inducible target of rapamycin mutants reveal a general metabolic switch controlling growth in <i>Arabidopsis thaliana</i> . Plant Journal, 2013, 73, 897-909.	2.8	205
6026	Overexpression of a western white pine PR10 protein enhances cold tolerance in transgenic Arabidopsis. Plant Cell, Tissue and Organ Culture, 2013, 114, 217-223.	1.2	10
6027	<i>CHAPERONIN</i> 20 mediates iron superoxide dismutase (Fe <i>SOD</i>) activity independent of its co-chaperonin role in Arabidopsis chloroplasts. New Phytologist, 2013, 197, 99-110.	3.5	76
6028	<i>Arabidopsis</i> RING Peroxins are E3 Ubiquitin Ligases that Interact with Two Homologous Ubiquitin Receptor Proteins. Journal of Integrative Plant Biology, 2013, 55, 108-120.	4.1	56
6029	Ectopic Expression of Rice <i>OsBIANK1</i> , Encoding an Ankyrin Repeat-Containing Protein, in <i>Arabidopsis</i> Confers Enhanced Disease Resistance to <i>Botrytis cinerea</i> and <i>Pseudomonas syringae</i> . Journal of Phytopathology, 2013, 161, 27-34.	0.5	19
6030	The tomato <i>S</i> SHINE3 transcription factor regulates fruit cuticle formation and epidermal patterning. New Phytologist, 2013, 197, 468-480.	3.5	156
6031	The 14-3-3 protein GENERAL REGULATORY FACTOR11 (<i>GRF11</i>) acts downstream of nitric oxide to regulate iron acquisition in <i>Arabidopsis thaliana</i> . New Phytologist, 2013, 197, 815-824.	3.5	66
6032	<i>SHORT INTERNODES/STYLISH</i> genes, regulators of auxin biosynthesis, are involved in leaf vein development in <i>Arabidopsis thaliana</i> . New Phytologist, 2013, 197, 737-750.	3.5	51
6033	Bacterial pathogen phytoensing in transgenic tobacco and <i>Arabidopsis</i> plants. Plant Biotechnology Journal, 2013, 11, 43-52.	4.1	30
6034	Function of calcium-dependent protein kinase <i>CPK28</i> of <i>Arabidopsis thaliana</i> in plant stem elongation and vascular development. Plant Journal, 2013, 73, 883-896.	2.8	104
6035	Combining association mapping and transcriptomics identify <i>HD2B</i> histone deacetylase as a genetic factor associated with seed dormancy in <i>Arabidopsis thaliana</i> . Plant Journal, 2013, 74, 815-828.	2.8	64
6036	Expression of the sweetpotato <i>R2R3</i> type <i>lMYB1a</i> gene induces anthocyanin accumulation in <i>Arabidopsis</i> . Physiologia Plantarum, 2013, 148, 189-199.	2.6	57
6037	Role of the rice transcription factor <i>JAmyb</i> in abiotic stress response. Journal of Plant Research, 2013, 126, 131-139.	1.2	56

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6038	Regulatory Function of Polyamine Oxidase-Generated Hydrogen Peroxide in Ethylene-Induced Stomatal Closure in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Agriculture</i> , 2013, 12, 251-262.	1.7	49
6039	The effects of a stimulating intron on the expression of heterologous genes in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology Journal</i> , 2013, 11, 555-563.	4.1	43
6040	<i>ABI4</i> downregulates expression of the sodium transporter <i>HKT1;1</i> in <i>Arabidopsis</i> roots and affects salt tolerance. <i>Plant Journal</i> , 2013, 73, 993-1005.	2.8	102
6041	Altered Lipid Composition and Enhanced Nutritional Value of <i>Arabidopsis</i> Leaves following Introduction of an Algal Diacylglycerol Acyltransferase 2. <i>Plant Cell</i> , 2013, 25, 677-693.	3.1	95
6042	Evolution of the ARF Gene Family in Land Plants: Old Domains, New Tricks. <i>Molecular Biology and Evolution</i> , 2013, 30, 45-56.	3.5	196
6043	Increasing frequencies of site-specific mutagenesis and gene targeting in <i>Arabidopsis</i> by manipulating DNA repair pathways. <i>Genome Research</i> , 2013, 23, 547-554.	2.4	142
6044	MEF10 is required for RNA editing at nad2-842 in mitochondria of <i>Arabidopsis thaliana</i> and interacts with MORF8. <i>Plant Molecular Biology</i> , 2013, 81, 337-346.	2.0	37
6045	Endodermal ABA Signaling Promotes Lateral Root Quiescence during Salt Stress in <i>Arabidopsis</i> Seedlings. <i>Plant Cell</i> , 2013, 25, 324-341.	3.1	367
6046	Defective chloroplast development inhibits maintenance of normal levels of abscisic acid in a mutant of the <i>Arabidopsis</i> <i>RH3</i> DEAD-box protein during early post-germination growth. <i>Plant Journal</i> , 2013, 73, 720-732.	2.8	48
6047	Hydrogen Sulfide Regulates Ethylene-induced Stomatal Closure in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2013, 55, 277-289.	4.1	112
6048	A Conserved Genetic Pathway Determines Inflorescence Architecture in <i>Arabidopsis</i> and Rice. <i>Developmental Cell</i> , 2013, 24, 612-622.	3.1	193
6049	Engineering secondary cell wall deposition in plants. <i>Plant Biotechnology Journal</i> , 2013, 11, 325-335.	4.1	200
6050	N-glycan maturation is crucial for cytokinin-mediated development and cellulose synthesis in <i>Oryza sativa</i> . <i>Plant Journal</i> , 2013, 73, 966-979.	2.8	80
6051	<i>Arabidopsis</i> ASL11/LBD15 is involved in shoot apical meristem development and regulates WUS expression. <i>Planta</i> , 2013, 237, 1367-1378.	1.6	31
6052	<i>SQUAMOSA</i> promoter binding protein-like7 regulated microRNA408 is required for vegetative development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2013, 74, 98-109.	2.8	98
6053	Cold shock protein-1 chaperones mRNA during translation in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 74, 1016-1028.	2.8	52
6054	The calcium sensor PeCBL1, interacting with PeCIPK24/25 and PeCIPK26, regulates Na ⁺ /K ⁺ homeostasis in <i>Populus euphratica</i> . <i>Plant Cell Reports</i> , 2013, 32, 611-621.	2.8	67
6055	<i>Arabidopsis</i> phospholipase D ²¹ modulates defense responses to bacterial and fungal pathogens. <i>New Phytologist</i> , 2013, 199, 228-240.	3.5	100

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6056	Overexpression of a moso bamboo (<i>Phyllostachys edulis</i>) transcription factor gene <i>PheWRKY1</i> enhances disease resistance in transgenic <i>Arabidopsis thaliana</i> . <i>Botany</i> , 2013, 91, 486-494.	0.5	14
6057	Heat stress induction of <i>miR398</i> triggers a regulatory loop that is critical for thermotolerance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2013, 74, 840-851.	2.8	330
6058	GmNFYA3, a target gene of miR169, is a positive regulator of plant tolerance to drought stress. <i>Plant Molecular Biology</i> , 2013, 82, 113-129.	2.0	281
6059	<i>RNA PROCESSING FACTOR 5</i> is required for efficient 5' cleavage at a processing site conserved in <i>RNA</i> s of three different mitochondrial genes in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 74, 593-604.	2.8	35
6060	<i>WOX4</i> and <i>WOX14</i> act downstream of the PXY receptor kinase to regulate plant vascular proliferation independently of any role in vascular organisation. <i>Development (Cambridge)</i> , 2013, 140, 2224-2234.	1.2	251
6061	Mutations in epidermis-specific <i>HD-ZIP IV</i> genes affect floral organ identity in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 75, 430-440.	2.8	50
6062	Short-chain chitin oligomers from arbuscular mycorrhizal fungi trigger nuclear <i>Ca²⁺</i> spiking in <i>Medicago truncatula</i> roots and their production is enhanced by strigolactone. <i>New Phytologist</i> , 2013, 198, 190-202.	3.5	453
6063	Site-specific <i>T-DNA</i> integration in <i>Arabidopsis thaliana</i> mediated by the combined action of <i>CRE</i> recombinase and <i>C31</i> integrase. <i>Plant Journal</i> , 2013, 75, 172-184.	2.8	14
6064	The Efficiency of <i>Arabidopsis thaliana</i> Floral Dip Transformation Is Determined Not Only by the <i>Agrobacterium</i> Strain Used but Also by the Physiology and the Ecotype of the Dipped Plant. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 823-832.	1.4	16
6065	The <i>Arabidopsis</i> <i>MEDIATOR</i> complex subunits <i>MED14</i> , <i>SWP</i> and <i>MED16</i> , <i>SFR6</i> , <i>IEN1</i> differentially regulate defense gene expression in plant immune responses. <i>Plant Journal</i> , 2013, 75, 484-497.	2.8	76
6066	ZmPTR1, a maize peptide transporter expressed in the epithelial cells of the scutellum during germination. <i>Plant Science</i> , 2013, 207, 140-147.	1.7	10
6067	A Mechanism for Localized Lignin Deposition in the Endodermis. <i>Cell</i> , 2013, 153, 402-412.	13.5	446
6068	Post-transcriptional gene silencing of the gene encoding aldolase from soybean cyst nematode by transformed soybean roots. <i>Experimental Parasitology</i> , 2013, 134, 266-274.	0.5	28
6069	RNA-Dependent RNA Polymerase 6 Is Required for Efficient hpRNA-Induced Gene Silencing in Plants. <i>Molecules and Cells</i> , 2013, 35, 202-209.	1.0	32
6070	Geminivirus <i>Rp</i> protein interferes with the plant <i>DNA</i> methylation machinery and suppresses transcriptional gene silencing. <i>New Phytologist</i> , 2013, 199, 464-475.	3.5	166
6071	Ectopic Overexpression of <i>SlHsfA3</i> , a Heat Stress Transcription Factor from Tomato, Confers Increased Thermotolerance and Salt Hypersensitivity in Germination in Transgenic <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2013, 8, e54880.	1.1	78
6072	Identification of promoter regions in the <i>Arabidopsis thaliana</i> <i>atExt1</i> extensin gene controlling late responses to wounding and pathogen attack. <i>Biologia Plantarum</i> , 2013, 57, 341-350.	1.9	3
6073	The <i>Arabidopsis</i> tandem <i>CCCH</i> zinc finger proteins <i>AtTZF4</i> , 5 and 6 are involved in light, abscisic acid and gibberellic acid-mediated regulation of seed germination. <i>Plant, Cell and Environment</i> , 2013, 36, 1507-1519.	2.8	122

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6074	The <i>8D05</i> Parasitism Gene of <i>Meloidogyne incognita</i> Is Required for Successful Infection of Host Roots. <i>Phytopathology</i> , 2013, 103, 175-181.	1.1	86
6075	Pull-Down Analysis of Interactions Among Jasmonic Acid Core Signaling Proteins. <i>Methods in Molecular Biology</i> , 2013, 1011, 159-171.	0.4	15
6076	<i>SPL8</i> and <i>miR156</i> -targeted <i>SPL</i> genes redundantly regulate <i>Arabidopsis thaliana</i> gynoecium differential patterning. <i>Plant Journal</i> , 2013, 75, 566-577.	2.8	111
6077	Single Particle Tracking Analysis of the Chloroplast Division Protein FtsZ Anchoring to the Inner Envelope Membrane. <i>Microscopy and Microanalysis</i> , 2013, 19, 507-512.	0.2	19
6078	Contiguous RNA editing sites in the mitochondrial <i>nad1</i> transcript of <i>Arabidopsis thaliana</i> are recognized by different proteins. <i>FEBS Letters</i> , 2013, 587, 887-891.	1.3	14
6079	Stabilization of Cytokinin Levels Enhances <i>Arabidopsis</i> Resistance Against <i>Verticillium longisporum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 850-860.	1.4	66
6080	Functional expression and subcellular localization of pea polymorphic isoflavone synthase CYP93C18. <i>Biologia Plantarum</i> , 2013, 57, 635-645.	1.9	6
6081	The AvrB_AvrC Domain of AvrXccC of <i>Xanthomonas campestris</i> pv. <i>campestris</i> Is Required to Elicit Plant Defense Responses and Manipulate ABA Homeostasis. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 419-430.	1.4	24
6082	Gene Identification: Reverse Genetics. , 2013, , 61-89.		2
6083	Timely expression of the <i>Arabidopsis thaliana</i> stomata fate master regulator <i>MUTE</i> is required for specification of other epidermal cell types. <i>Plant Journal</i> , 2013, 75, 808-822.	2.8	25
6084	Auxin and gibberellin responsive <i>Arabidopsis</i> SMALL AUXIN UP RNA36 regulates hypocotyl elongation in the light. <i>Plant Cell Reports</i> , 2013, 32, 759-769.	2.8	101
6085	Imaging Changes in Cytoplasmic Calcium Using the Yellow Cameleon 3.6 Biosensor and Confocal Microscopy. <i>Methods in Molecular Biology</i> , 2013, 1009, 291-302.	0.4	13
6086	Specialized functions of the <i>PP2A</i> subfamily <i>II</i> catalytic subunits <i>PP2A^{C3}</i> and <i>PP2A^{C4}</i> in the distribution of auxin fluxes and development in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 73, 862-872.	2.8	67
6087	TAF13 interacts with PRC2 members and is essential for <i>Arabidopsis</i> seed development. <i>Developmental Biology</i> , 2013, 379, 28-37.	0.9	22
6088	Molecular Cloning and Function Analysis of Two <i>SQUAMOSA</i> -like <i>MADS</i> -Box Genes From <i>Gossypium hirsutum</i> L.. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 597-607.	4.1	17
6089	The <i>Arabidopsis thaliana</i> exocyst subunit SEC 3 A is essential for embryo development and accumulates in transient puncta at the plasma membrane. <i>New Phytologist</i> , 2013, 199, 74-88.	3.5	45
6090	pAUL: A Gateway-Based Vector System for Adaptive Expression and Flexible Tagging of Proteins in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2013, 8, e53787.	1.1	23
6091	<i>Agrobacterium tumefaciens</i> -mediated in planta seed transformation strategy in sugarcane. <i>Plant Cell Reports</i> , 2013, 32, 1557-1574.	2.8	67

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6092	Overexpression of TsGOLS2, a galactinol synthase, in <i>Arabidopsis thaliana</i> enhances tolerance to high salinity and osmotic stresses. <i>Plant Physiology and Biochemistry</i> , 2013, 69, 82-89.	2.8	106
6093	The <i>Phytophthora parasitica</i> RXLR effector Penetration-Specific Effector 1 favours <i>Arabidopsis thaliana</i> infection by interfering with auxin physiology. <i>New Phytologist</i> , 2013, 199, 476-489.	3.5	69
6094	Characterization of the GGPP synthase gene family in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2013, 82, 393-416.	2.0	127
6095	Comparative functional analysis of full-length and N-terminal fragments of phytochrome C, D and E in red light-induced signaling. <i>New Phytologist</i> , 2013, 200, 86-96.	3.5	25
6096	A <i>Vigna radiata</i> 8S Globulin β Promoter Drives Efficient Expression of GUS in <i>Arabidopsis</i> Cotyledonary Embryos. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6423-6429.	2.4	5
6097	TTG1-mediated flavonols biosynthesis alleviates root growth inhibition in response to ABA. <i>Plant Cell Reports</i> , 2013, 32, 503-514.	2.8	28
6098	A mutation in the <i>expansin-like 2</i> gene enhances resistance to necrotrophic fungi and hypersensitivity to abiotic stress in <i>Arabidopsis thaliana</i> . <i>Molecular Plant Pathology</i> , 2013, 14, 813-827.	2.0	123
6099	Expression of a rice Lambda class of glutathione S-transferase, OsGSTL2, in <i>Arabidopsis</i> provides tolerance to heavy metal and other abiotic stresses. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 228-237.	6.5	184
6100	<i>Medicago</i> glucosyltransferase UGT72L1: potential roles in proanthocyanidin biosynthesis. <i>Planta</i> , 2013, 238, 139-154.	1.6	39
6101	Expressional and regulatory characterization of <i>Arabidopsis</i> RNA-dependent RNA polymerase 1. <i>Planta</i> , 2013, 237, 1561-1569.	1.6	15
6102	Overexpression of glucosyltransferase UGT85A1 influences trans-zeatin homeostasis and trans-zeatin responses likely through O-glucosylation. <i>Planta</i> , 2013, 237, 991-999.	1.6	56
6103	Stress induces plant somatic cells to acquire some features of stem cells accompanied by selective chromatin reorganization. <i>Developmental Dynamics</i> , 2013, 242, 1121-1133.	0.8	26
6104	Control of Plant Trichome and Root-Hair Development by a Tomato (<i>Solanum lycopersicum</i>) R3 MYB Transcription Factor. <i>PLoS ONE</i> , 2013, 8, e54019.	1.1	61
6105	Overexpression of AtWRKY28 and AtWRKY75 in <i>Arabidopsis</i> enhances resistance to oxalic acid and <i>Sclerotinia sclerotiorum</i> . <i>Plant Cell Reports</i> , 2013, 32, 1589-1599.	2.8	133
6106	Host Cell Entry of Powdery Mildew Is Correlated with Endosomal Transport of Antagonistically Acting VvPEN1 and VvMLO to the Papilla. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 1138-1150.	1.4	32
6107	Post mortem function of <i>AtMC9</i> in xylem vessel elements. <i>New Phytologist</i> , 2013, 200, 498-510.	3.5	117
6108	The glutamate carboxypeptidase AMP 1 mediates abscisic acid and abiotic stress responses in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2013, 199, 135-150.	3.5	35
6109	The ATP-Binding Cassette Transporter ABCB19 Regulates Postembryonic Organ Separation in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2013, 8, e60809.	1.1	20

#	ARTICLE	IF	CITATIONS
6110	Subcellular Dynamics and Role of <i>Arabidopsis</i> Î²-1,3-Glucanases in Cell-to-Cell Movement of Tobamoviruses. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 1016-1030.	1.4	125
6111	Molecular cloning and characterization of a gene regulating flowering time from Alfalfa (<i>Medicago</i>) Tj ETQq1 1 0.784314 rgBJ /Overlo	1.0	9
6112	Multiple loci and genetic interactions involving flowering time genes regulate stem branching among natural variants of <i>Arabidopsis</i> . <i>New Phytologist</i> , 2013, 199, 843-857.	3.5	44
6113	Molecular Basis of Age-Dependent Vernalization in <i>Cardamine flexuosa</i> . <i>Science</i> , 2013, 340, 1097-1100.	6.0	166
6114	One-step cloning of intron-containing hairpin RNA constructs for RNA interference via isothermal in vitro recombination system. <i>Planta</i> , 2013, 238, 325-330.	1.6	13
6115	<i>Arabidopsis</i> COBRA-LIKE 10, a GPI-anchored protein, mediates directional growth of pollen tubes. <i>Plant Journal</i> , 2013, 74, 486-497.	2.8	105
6116	Homologs of FT, CEN and FD respond to developmental and environmental signals affecting growth and flowering in the perennial vine kiwifruit. <i>New Phytologist</i> , 2013, 198, 732-746.	3.5	72
6117	Distinct expression patterns of two <i>Ginkgo biloba</i> 1-hydroxy-2-methyl-2-(E)-butenyl-4-diphosphate reductase/isopentenyl diphosphate synthase (HDR/IDS) promoters in <i>Arabidopsis</i> model. <i>Plant Physiology and Biochemistry</i> , 2013, 62, 47-53.	2.8	20
6118	Introns of plant pri-miRNAs enhance miRNA biogenesis. <i>EMBO Reports</i> , 2013, 14, 622-628.	2.0	115
6119	Identification of <i>Arabidopsis</i> BAK1-Associating Receptor-Like Kinase 1 (BARK1) and Characterization of its Gene Expression and Brassinosteroid-Regulated Root Phenotypes. <i>Plant and Cell Physiology</i> , 2013, 54, 1620-1634.	1.5	29
6120	Mutation of the <i>Arabidopsis</i> NAC016 Transcription Factor Delays Leaf Senescence. <i>Plant and Cell Physiology</i> , 2013, 54, 1660-1672.	1.5	147
6121	The Endoplasmic Reticulum Is the Main Membrane Source for Biogenesis of the Lytic Vacuole in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 3434-3449.	3.1	162
6122	Inositol Polyphosphate Phosphatidylinositol 5-Phosphatase9 (At5PTase9) Controls Plant Salt Tolerance by Regulating Endocytosis. <i>Molecular Plant</i> , 2013, 6, 1781-1794.	3.9	54
6123	Expression analysis of the metacaspase gene family in <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2013, 56, 391-398.	0.9	40
6124	Generation of transgenic <i>Arabidopsis</i> plants expressing mcherry-fused organelle marker proteins. <i>Journal of Plant Biology</i> , 2013, 56, 399-406.	0.9	13
6125	Mining the genome of <i>Arabidopsis thaliana</i> as a basis for the identification of novel bioactive peptides involved in oxidative stress tolerance. <i>Journal of Experimental Botany</i> , 2013, 64, 5297-5307.	2.4	52
6126	<i>Arabidopsis</i> Phospholipase D1 Is Involved in Basal Defense and Nonhost Resistance to Powdery Mildew Fungus. <i>Plant Physiology</i> , 2013, 163, 896-906.	2.3	102
6127	The Actin-Related Protein2/3 Complex Regulates Mitochondrial-Associated Calcium Signaling during Salt Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 4544-4559.	3.1	66

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6129	Two poplar calcineurin B-like proteins confer enhanced tolerance to abiotic stresses in transgenic <i>Arabidopsis thaliana</i> . <i>Biologia Plantarum</i> , 2013, 57, 70-78.	1.9	19
6130	Characterization of the GLP13 gene promoter in <i>Arabidopsis thaliana</i> . <i>Biologia Plantarum</i> , 2013, 57, 231-237.	1.9	11
6131	<i>Arabidopsis thaliana</i> Plants with Different Levels of Aliphatic- and Indolyl-Glucosinolates Affect Host Selection and Performance of <i>Bemisia tabaci</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 1361-1372.	0.9	26
6132	MAIGO5 Functions in Protein Export from Golgi-Associated Endoplasmic Reticulum Exit Sites in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 4658-4675.	3.1	53
6133	Identification of the factors that control synthesis and accumulation of a therapeutic protein, human interleukin-10, in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology Journal</i> , 2013, 11, 546-554.	4.1	7
6134	The Membrane-Bound NAC Transcription Factor ANAC013 Functions in Mitochondrial Retrograde Regulation of the Oxidative Stress Response in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 3472-3490.	3.1	293
6135	Ornithine: The Overlooked Molecule in the Regulation of Polyamine Metabolism. <i>Plant and Cell Physiology</i> , 2013, 54, 990-1004.	1.5	75
6136	The <i>Arabidopsis</i> CDK inhibitor ICK3/KRP5 is rate limiting for primary root growth and promotes growth through cell elongation and endoreduplication. <i>Journal of Experimental Botany</i> , 2013, 64, 1-13.	2.4	39
6137	The role of <i>Arabidopsis thaliana</i> NAR 1, a cytosolic iron-sulfur cluster assembly component, in gametophytic gene expression and oxidative stress responses in vegetative tissue. <i>New Phytologist</i> , 2013, 199, 925-935.	3.5	20
6138	Comprehensive Protein-Based Artificial MicroRNA Screens for Effective Gene Silencing in Plants. <i>Plant Cell</i> , 2013, 25, 1507-1522.	3.1	110
6139	Mutagenesis of Individual Pentatricopeptide Repeat Motifs Affects RNA Binding Activity and Reveals Functional Partitioning of <i>Arabidopsis</i> PROTON GRADIENT REGULATION3. <i>Plant Cell</i> , 2013, 25, 3079-3088.	3.1	38
6140	The PHOTOSYNTHESIS AFFECTED MUTANT68-LIKE Protein Evolved from a PSII Assembly Factor to Mediate Assembly of the Chloroplast NAD(P)H Dehydrogenase Complex in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 3926-3943.	3.1	45
6141	<i>Arabidopsis</i> Copper Transport Protein COPT2 Participates in the Cross Talk between Iron Deficiency Responses and Low-Phosphate Signaling. <i>Plant Physiology</i> , 2013, 162, 180-194.	2.3	113
6142	A dual role of tobacco hexokinase 1 in primary metabolism and sugar sensing. <i>Plant, Cell and Environment</i> , 2013, 36, 1311-1327.	2.8	64
6143	Molecular characterization of <i>Glycine max</i> squalene synthase genes in seed phytosterol biosynthesis. <i>Plant Physiology and Biochemistry</i> , 2013, 73, 23-32.	2.8	30
6144	γ -Tubulin is Rapidly Phosphorylated in Response to Hyperosmotic Stress in Rice and <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2013, 54, 848-858.	1.5	52
6145	Comprehensive Analysis of the Rice RING E3 Ligase Family Reveals Their Functional Diversity in Response to Abiotic stress. <i>DNA Research</i> , 2013, 20, 299-314.	1.5	46

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6146	Dirigent domain-containing protein is part of the machinery required for formation of the lignin-based Casparian strip in the root. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14498-14503.	3.3	269
6147	LESION SIMULATING DISEASE1 Interacts with Catalases to Regulate Hypersensitive Cell Death in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 163, 1059-1070.	2.3	98
6148	Functional analysis of the rice vacuolar zinc transporter OsMTP1. <i>Journal of Experimental Botany</i> , 2013, 64, 2871-2883.	2.4	142
6149	Molecular and functional characterization of mulberry EST encoding remorin (MiREM) involved in abiotic stress. <i>Plant Cell Reports</i> , 2013, 32, 1729-1741.	2.8	55
6150	Purification and Characterization of Novel Microtubule-Associated Proteins from <i>Arabidopsis</i> Cell Suspension Cultures. <i>Plant Physiology</i> , 2013, 163, 1804-1816.	2.3	60
6151	Analyses of Ca ²⁺ Accumulation and Dynamics in the Endoplasmic Reticulum of <i>Arabidopsis</i> Root Cells Using a Genetically Encoded Cameleon Sensor. <i>Plant Physiology</i> , 2013, 163, 1230-1241.	2.3	80
6152	Export of Salicylic Acid from the Chloroplast Requires the Multidrug and Toxin Extrusion-Like Transporter EDS5. <i>Plant Physiology</i> , 2013, 162, 1815-1821.	2.3	195
6153	Mutations in GERANYLGERANYL DIPHOSPHATE SYNTHASE 1 affect chloroplast development in <i>Arabidopsis thaliana</i> (Brassicaceae). <i>American Journal of Botany</i> , 2013, 100, 2074-2084.	0.8	23
6154	The Salicylic Acid Receptor NPR3 Is a Negative Regulator of the Transcriptional Defense Response during Early Flower Development in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2013, 6, 802-816.	3.9	58
6155	Gene Site-Specific Insertion in Plants. <i>Topics in Current Genetics</i> , 2013, , 287-315.	0.7	8
6156	Thioredoxin Reductase Type C (NTRC) Orchestrates Enhanced Thermotolerance to <i>Arabidopsis</i> by Its Redox-Dependent Holdase Chaperone Function. <i>Molecular Plant</i> , 2013, 6, 323-336.	3.9	80
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6158	Proteolytic degradation of the flavonoid regulators, TRANSPARENT TESTA8 and TRANSPARENT TESTA GLABRA1, in <i>Arabidopsis</i> is mediated by the ubiquitin/26S proteasome system. <i>Plant Signaling and Behavior</i> , 2013, 8, e25901.	1.2	16
6159	LEAFY Controls Auxin Response Pathways in Floral Primordium Formation. <i>Science Signaling</i> , 2013, 6, ra23.	1.6	69
6160	The <i>Arabidopsis</i> general transcription factor TFIIB1 (AtTFIIB1) is required for pollen tube growth and endosperm development. <i>Journal of Experimental Botany</i> , 2013, 64, 2205-2218.	2.4	25
6161	Sorghum Extracellular Leucine-Rich Repeat Protein SbLRR2 Mediates Lead Tolerance in Transgenic <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2013, 54, 1549-1559.	1.5	31
6162	<i>incurvata13</i> , a Novel Allele of <i>AUXIN RESISTANT6</i> , Reveals a Specific Role for Auxin and the SCF Complex in <i>Arabidopsis</i> Embryogenesis, Vascular Specification, and Leaf Flatness. <i>Plant Physiology</i> , 2013, 161, 1303-1320.	2.3	28
6163	Recruitment of Arf1-GDP to Golgi by Glo3p-Type ArfGAPs Is Crucial for Golgi Maintenance and Plant Growth. <i>Plant Physiology</i> , 2013, 161, 676-691.	2.3	37

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6164	Antagonistic Peptide Technology for Functional Dissection of <i>CLV3/ESR</i> Genes in Arabidopsis. <i>Plant Physiology</i> , 2013, 161, 1076-1085.	2.3	61
6165	ANTI-SILENCING FUNCTION1 Proteins Are Involved in Ultraviolet-Induced DNA Damage Repair and Are Cell Cycle Regulated by E2F Transcription Factors in Arabidopsis. <i>Plant Physiology</i> , 2013, 162, 1164-1177.	2.3	47
6166	Regulation of Transcription of Nucleotide-Binding Leucine-Rich Repeat-Encoding Genes SNC1 and RPP4 via H3K4 Trimethylation. <i>Plant Physiology</i> , 2013, 162, 1694-1705.	2.3	93
6167	AGAMOUS-Like15 Promotes Somatic Embryogenesis in Arabidopsis and Soybean in Part by the Control of Ethylene Biosynthesis and Response. <i>Plant Physiology</i> , 2013, 161, 2113-2127.	2.3	92
6168	ROOT ULTRAVIOLET B-SENSITIVE1/WEAK AUXIN RESPONSE3 Is Essential for Polar Auxin Transport in Arabidopsis. <i>Plant Physiology</i> , 2013, 162, 965-976.	2.3	24
6169	Using Arabidopsis to Study Shoot Branching in Biomass Willow. <i>Plant Physiology</i> , 2013, 162, 800-811.	2.3	22
6170	The Identification of Two Arabinosyltransferases from Tomato Reveals Functional Equivalency of Xyloglucan Side Chain Substituents. <i>Plant Physiology</i> , 2013, 163, 86-94.	2.3	45
6171	Probing Arabidopsis Chloroplast Diacylglycerol Pools by Selectively Targeting Bacterial Diacylglycerol Kinase to Suborganellar Membranes. <i>Plant Physiology</i> , 2013, 163, 61-74.	2.3	13
6172	New Evidence for Differential Roles of L10 Ribosomal Proteins from Arabidopsis. <i>Plant Physiology</i> , 2013, 163, 378-391.	2.3	43
6173	In Planta Assessment of the Role of Thioredoxin <i>h</i> Proteins in the Regulation of <i>S</i> -Locus Receptor Kinase Signaling in Transgenic Arabidopsis. <i>Plant Physiology</i> , 2013, 163, 1387-1395.	2.3	10
6174	Two Phloem Nitrate Transporters, NRT1.11 and NRT1.12, Are Important for Redistributing Xylem-Borne Nitrate to Enhance Plant Growth. <i>Plant Physiology</i> , 2013, 163, 844-856.	2.3	150
6175	Alterations in Seed Development Gene Expression Affect Size and Oil Content of Arabidopsis Seeds. <i>Plant Physiology</i> , 2013, 163, 973-985.	2.3	36
6176	GALACTURONOSYLTRANSFERASE-LIKE5 Is Involved in the Production of Arabidopsis Seed Coat Mucilage. <i>Plant Physiology</i> , 2013, 163, 1203-1217.	2.3	58
6177	The CALMODULIN-BINDING PROTEIN60 Family Includes Both Negative and Positive Regulators of Plant Immunity. <i>Plant Physiology</i> , 2013, 163, 1741-1751.	2.3	91
6178	<i>Arabidopsis</i> Amino Acid Serine Palmitoyltransferase-Interacting Proteins Stimulate Sphingolipid Synthesis, Are Essential, and Affect Mycotoxin Sensitivity. <i>Plant Cell</i> , 2013, 25, 4627-4639.	3.1	54
6179	PtrCel9A6, an Endo-1,4- β -Glucanase, Is Required for Cell Wall Formation during Xylem Differentiation in Populus. <i>Molecular Plant</i> , 2013, 6, 1904-1917.	3.9	42
6180	The Mitochondrial Folylpolylglutamate Synthetase Gene Is Required for Nitrogen Utilization during Early Seedling Development in Arabidopsis. <i>Plant Physiology</i> , 2013, 161, 971-989.	2.3	41
6181	ROOT HAIR DEFECTIVE3 Family of Dynamin-Like GTPases Mediates Homotypic Endoplasmic Reticulum Fusion and Is Essential for Arabidopsis Development. <i>Plant Physiology</i> , 2013, 163, 713-720.	2.3	96

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6182	<i>Arabidopsis thaliana</i> VOZ (Vascular plant One-Zinc finger) transcription factors are required for proper regulation of flowering time. <i>Biology Open</i> , 2013, 2, 424-431.	0.6	30
6183	Cytochrome P450 <i>CYP78A9</i> Is Involved in <i>Arabidopsis</i> Reproductive Development. <i>Plant Physiology</i> , 2013, 162, 779-799.	2.3	82
6184	The Classical Arabinogalactan Protein AGP18 Mediates Megaspore Selection in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 1274-1287.	3.1	74
6185	The Cyclophilin CYP20-2 Modulates the Conformation of BRASSINAZOLE-RESISTANT1, Which Binds the Promoter of FLOWERING LOCUS D to Regulate Flowering in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2504-2521.	3.1	78
6186	Both Phototropin 1 and 2 Localize on the Chloroplast Outer Membrane with Distinct Localization Activity. <i>Plant and Cell Physiology</i> , 2013, 54, 80-92.	1.5	65
6187	Cross-Repressive Interactions between SOC1 and the GATAs GNC and GNL/CGA1 in the Control of Greening, Cold Tolerance, and Flowering Time in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 162, 1992-2004.	2.3	118
6188	<i>SAUR36</i> , a SMALL AUXIN UP RNA Gene, Is Involved in the Promotion of Leaf Senescence in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 161, 1002-1009.	2.3	173
6189	Characterization and Ectopic Expression of a <i>Populus</i> Hydroxyacid Hydroxycinnamoyltransferase. <i>Molecular Plant</i> , 2013, 6, 1889-1903.	3.9	27
6190	HIGH EXPRESSION OF OSMOTICALLY RESPONSIVE GENES1 Is Required for Circadian Periodicity through the Promotion of Nucleo-Cytoplasmic mRNA Export in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 4391-4404.	3.1	73
6191	Characterization of the Complex Regulation of <i>AtALMT1</i> Expression in Response to Phytohormones and Other Inducers. <i>Plant Physiology</i> , 2013, 162, 732-740.	2.3	77
6192	Functional Redundancy and Divergence within the <i>Arabidopsis</i> RETICULATA-RELATED Gene Family. <i>Plant Physiology</i> , 2013, 162, 589-603.	2.3	50
6193	Interplay between Heat Shock Proteins HSP101 and HSA32 Prolongs Heat Acclimation Memory Posttranscriptionally in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 161, 2075-2084.	2.3	99
6194	Assessing the regulation of leaf redox status under water stress conditions in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e24781.	1.2	13
6195	Salicylic acid 3-hydroxylase regulates <i>Arabidopsis</i> leaf longevity by mediating salicylic acid catabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14807-14812.	3.3	236
6196	Phosphorylation of Phytochrome B Inhibits Light-Induced Signaling via Accelerated Dark Reversion in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 535-544.	3.1	116
6197	<i>Arabidopsis</i> Sec1/Munc18 Protein SEC11 Is a Competitive and Dynamic Modulator of SNARE Binding and SYP121-Dependent Vesicle Traffic. <i>Plant Cell</i> , 2013, 25, 1368-1382.	3.1	66
6198	Trans-Golgi Network Localized ECHIDNA/Ypt Interacting Protein Complex Is Required for the Secretion of Cell Wall Polysaccharides in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2633-2646.	3.1	111
6199	The Deubiquitinating Enzyme AMSH1 and the ESCRT-III Subunit VPS2.1 Are Required for Autophagic Degradation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2236-2252.	3.1	107

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6200	Feedback Inhibition of Starch Degradation in Arabidopsis Leaves Mediated by Trehalose 6-Phosphate $\hat{\hat{A}}$. <i>Plant Physiology</i> , 2013, 163, 1142-1163.	2.3	167
6201	Mutations in EDM2 selectively affect silencing states of transposons and induce plant developmental plasticity. <i>Scientific Reports</i> , 2013, 3, 1701.	1.6	23
6202	Arabidopsis Galacturonosyltransferase (GAUT) 13 and GAUT14 Have Redundant Functions in Pollen Tube Growth. <i>Molecular Plant</i> , 2013, 6, 1131-1148.	3.9	62
6203	Complementation of <i>Hyponastic Leaves1</i> by Double-Strand RNA-Binding Domains of Dicer-Like1 in Nuclear Dicing Bodies. <i>Plant Physiology</i> , 2013, 163, 108-117.	2.3	29
6204	Requirement and Functional Redundancy of Ib Subgroup bHLH Proteins for Iron Deficiency Responses and Uptake in Arabidopsis thaliana. <i>Molecular Plant</i> , 2013, 6, 503-513.	3.9	295
6205	Histone Deacetylase Complex1 Expression Level Titrates Plant Growth and Abscisic Acid Sensitivity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 3491-3505.	3.1	92
6206	Cytokinins Secreted by <i>Agrobacterium</i> Promote Transformation by Repressing a Plant Myb Transcription Factor. <i>Science Signaling</i> , 2013, 6, ra100.	1.6	52
6207	Interplay between Sucrose and Folate Modulates Auxin Signaling in Arabidopsis. <i>Plant Physiology</i> , 2013, 162, 1552-1565.	2.3	71
6208	Gene Transfer in Legumes. <i>Progress in Botany Fortschritte Der Botanik</i> , 2013, , 37-100.	0.1	53
6209	Visualization of BRI1 and BAK1(SERK3) Membrane Receptor Heterooligomers during Brassinosteroid Signaling $\hat{\hat{A}}$. <i>Plant Physiology</i> , 2013, 162, 1911-1925.	2.3	104
6210	Transcriptional silencing of RNAi constructs against nematode $\hat{\hat{A}}$ genes in Arabidopsis. <i>Nematology</i> , 2013, 15, 519-528.	0.2	12
6211	Analysis of the role of Arabidopsis class I TCP genes AtTCP7, AtTCP8, AtTCP22, and AtTCP23 in leaf development. <i>Frontiers in Plant Science</i> , 2013, 4, 406.	1.7	131
6212	The role of VuMATE1 expression in aluminium-inducible citrate secretion in rice bean (<i>Vigna umbellata</i>) roots. <i>Journal of Experimental Botany</i> , 2013, 64, 1795-1804.	2.4	51
6213	A DELLA gene, RhGAI1, is a direct target of EIN3 and mediates ethylene-regulated rose petal cell expansion via repressing the expression of RhCesA2. <i>Journal of Experimental Botany</i> , 2013, 64, 5075-5084.	2.4	49
6214	<i>Arabidopsis</i> Phytochrome B Promotes SPA1 Nuclear Accumulation to Repress Photomorphogenesis under Far-Red Light $\hat{\hat{A}}$. <i>Plant Cell</i> , 2013, 25, 115-133.	3.1	82
6215	Simultaneous live-imaging of peroxisomes and the ER in plant cells suggests contiguity but no luminal continuity between the two organelles. <i>Frontiers in Physiology</i> , 2013, 4, 196.	1.3	37
6216	Overexpression of chloroplast NADPH-dependent thioredoxin reductase in Arabidopsis enhances leaf growth and elucidates in vivo function of reductase and thioredoxin domains. <i>Frontiers in Plant Science</i> , 2013, 4, 389.	1.7	58
6217	Overexpression of the Mg-chelatase H subunit in guard cells confers drought tolerance via promotion of stomatal closure in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2013, 4, 440.	1.7	30

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6218	GASA14 regulates leaf expansion and abiotic stress resistance by modulating reactive oxygen species accumulation. <i>Journal of Experimental Botany</i> , 2013, 64, 1637-1647.	2.4	115
6219	A Dominant Point Mutation in a RING E3 Ubiquitin Ligase Homoeologous Gene Leads to Cleistogamy in <i>Brassica napus</i> . <i>Plant Cell</i> , 2013, 24, 4875-4891.	3.1	21
6220	ACYL-LIPID DESATURASE2 Is Required for Chilling and Freezing Tolerance in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 1430-1444.	3.1	131
6221	<i>Arabidopsis thaliana</i> Yellow Stripe1-Like4 and Yellow Stripe1-Like6 localize to internal cellular membranes and are involved in metal ion homeostasis. <i>Frontiers in Plant Science</i> , 2013, 4, 283.	1.7	84
6222	MYB10 and MYB72 Are Required for Growth under Iron-Limiting Conditions. <i>PLoS Genetics</i> , 2013, 9, e1003953.	1.5	194
6223	Sulfite Reductase Protects Plants against Sulfite Toxicity. <i>Plant Physiology</i> , 2013, 161, 725-743.	2.3	78
6224	Light-Regulated Hypocotyl Elongation Involves Proteasome-Dependent Degradation of the Microtubule Regulatory Protein WDL3 in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 1740-1755.	3.1	77
6225	MYB64 and MYB119 Are Required for Cellularization and Differentiation during Female Gametogenesis in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2013, 9, e1003783.	1.5	56
6226	MYB97, MYB101 and MYB120 Function as Male Factors That Control Pollen Tube-Synergid Interaction in <i>Arabidopsis thaliana</i> Fertilization. <i>PLoS Genetics</i> , 2013, 9, e1003933.	1.5	108
6227	CYCLIN H;1 Regulates Drought Stress Responses and Blue Light-Induced Stomatal Opening by Inhibiting Reactive Oxygen Species Accumulation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 162, 1030-1041.	2.3	41
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6229	Three Novel Rice Genes Closely Related to the <i>Arabidopsis</i> IRX9, IRX9L, and IRX14 Genes and Their Roles in Xylan Biosynthesis. <i>Frontiers in Plant Science</i> , 2013, 4, 83.	1.7	83
6230	Mutations in FLS2 Ser-938 Dissect Signaling Activation in FLS2-Mediated <i>Arabidopsis</i> Immunity. <i>PLoS Pathogens</i> , 2013, 9, e1003313.	2.1	57
6231	Overexpression of a citrus NDR1 ortholog increases disease resistance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2013, 4, 157.	1.7	42
6232	Expression of human ARGONAUTE 2 inhibits endogenous microRNA activity in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2013, 4, 96.	1.7	2
6233	Expression of HMA4 cDNAs of the zinc hyperaccumulator <i>Noccaea caerulea</i> from endogenous NcHMA4 promoters does not complement the zinc-deficiency phenotype of the <i>Arabidopsis thaliana</i> hma2hma4 double mutant. <i>Frontiers in Plant Science</i> , 2013, 4, 404.	1.7	19
6234	WRKY6 Transcription Factor Restricts Arsenate Uptake and Transposon Activation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2944-2957.	3.1	176
6235	Interplay between Active Chromatin Marks and RNA-Directed DNA Methylation in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2013, 9, e1003946.	1.5	70

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6237	A Novel Moderate Constitutive Promoter Derived from Poplar (<i>Populus tomentosa</i> Carrière). <i>International Journal of Molecular Sciences</i> , 2013, 14, 6187-6204.	1.8	13
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6352	Temperature response of <i>in vivo</i> <i>R</i> ubisco kinetics and mesophyll conductance in <i>Arabidopsis thaliana</i> : comparisons to <i>Nicotiana tabacum</i> . <i>Plant, Cell and Environment</i> , 2013, 36, 2108-2119.	2.8	143
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6354	Functional characterization of <i>Citrus macrophylla</i> <i>BOR1</i> as a boron transporter. <i>Physiologia Plantarum</i> , 2013, 149, 329-339.	2.6	41
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6359	<i>ABA</i> and the ubiquitin E3 ligase <i>KEEP ON GOING</i> affect proteolysis of the <i>Arabidopsis thaliana</i> transcription factors <i>ABF1</i> and <i>ABF3</i> . <i>Plant Journal</i> , 2013, 75, 965-976.	2.8	114
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6363	Complementary and dose-dependent action of <i>At</i> CCS52A isoforms in endoreduplication and plant size control. <i>New Phytologist</i> , 2013, 198, 1049-1059.	3.5	39
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6365	<i>MAG2</i> and three <i>MAG2</i> -INTERACTING PROTEIN s form an ER-localized complex to facilitate storage protein transport in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 76, 781-791.	2.8	34
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6367	Phosphorylation of p27 ^{KIP1} homologs <i>KRP6</i> and <i>7</i> by <i>SNF1</i> -related protein kinase ¹ links plant energy homeostasis and cell proliferation. <i>Plant Journal</i> , 2013, 75, 515-525.	2.8	52
6368	Live Cell Imaging of Cytoplasmic Ca ²⁺ Dynamics in <i>Arabidopsis</i> Guard Cells. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072983.	0.2	19
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6375	MAP18 Regulates the Direction of Pollen Tube Growth in <i>Arabidopsis</i> by Modulating F-Actin Organization. <i>Plant Cell</i> , 2013, 25, 851-867.	3.1	100
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6379	MIXTA-Like Transcription Factors and WAX INDUCER1/SHINE1 Coordinately Regulate Cuticle Development in <i>Arabidopsis</i> and <i>Torenia fournieri</i> . <i>Plant Cell</i> , 2013, 25, 1609-1624.	3.1	247

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6381	Widespread Long Noncoding RNAs as Endogenous Target Mimics for MicroRNAs in Plants. <i>Plant Physiology</i> , 2013, 161, 1875-1884.	2.3	400
6382	Target specificity among canonical nuclear poly(A) polymerases in plants modulates organ growth and pathogen response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13994-13999.	3.3	36
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6392	Pectin Biosynthesis: GALS1 in <i>Arabidopsis thaliana</i> Is a β -1,4-Galactan β -1,4-Galactosyltransferase. <i>Plant Cell</i> , 2013, 24, 5024-5036.	3.1	125
6393	Tissue-Specific Silencing of <i>Arabidopsis</i> SU(VAR)3-9 HOMOLOG8 by miR171a. <i>Plant Physiology</i> , 2013, 161, 805-812.	2.3	53
6394	DELLA Proteins and Their Interacting RING Finger Proteins Repress Gibberellin Responses by Binding to the Promoters of a Subset of Gibberellin-Responsive Genes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 927-943.	3.1	145
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6397	GoldenBraid 2.0: A Comprehensive DNA Assembly Framework for Plant Synthetic Biology. <i>Plant Physiology</i> , 2013, 162, 1618-1631.	2.3	358

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6400	A dominant negative form of <i>Arabidopsis</i> <i>AtHAK5</i> <i>AtHAK5</i> adapts to improve intracellular <i>H⁺</i> homeostasis. <i>Plant Journal</i> , 2013, 74, 557-568.	2.8	12
6401	Xyloglucan endotransglucosylase/hydrolase (XTH) overexpression affects growth and cell wall mechanics in etiolated <i>Arabidopsis</i> hypocotyls. <i>Journal of Experimental Botany</i> , 2013, 64, 2481-2497.	2.4	108
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6409	Nuclear Accumulation of Cytosolic Glyceraldehyde-3-Phosphate Dehydrogenase in Cadmium-Stressed <i>Arabidopsis</i> Roots. <i>Plant Physiology</i> , 2013, 162, 333-346.	2.3	94
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6445	Ubiquitin protein ligase 3 mediates the proteasomal degradation of <i>GLABROUS3</i> and <i>ENHANCER OF GLABROUS3</i> , regulators of trichome development and flavonoid biosynthesis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2013, 74, 435-447.	2.8	80
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6454	A C-Repeat Binding Factor Transcriptional Activator (CBF/DREB1) from European Bilberry (<i>Vaccinium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf e54119.	1.1	29
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6456	EHD1 Functions in Endosomal Recycling and Confers Salt Tolerance. <i>PLoS ONE</i> , 2013, 8, e54533.	1.1	19
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6469	Characterization of Peanut Germin-Like Proteins, AhGLPs in Plant Development and Defense. <i>PLoS ONE</i> , 2013, 8, e61722.	1.1	81

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6717	Transient downâ€“regulation of the <sc>RNA</sc> silencing machinery increases efficiency of <i><sc>A</sc>grobacterium</i>â€“mediated transformation of <sc>A</sc>rabidopsis. <i>Plant Biotechnology Journal</i> , 2014, 12, 590-600.	4.1	10
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6724	At RH 57, a DEAD box RNA helicase, is involved in feedback inhibition of glucose-mediated abscisic acid accumulation during seedling development and additively affects pre-ribosomal RNA processing with high glucose. <i>Plant Journal</i> , 2014, 77, 119-135.	2.8	57
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6726	The Nla-Pro protein of <i>Turnip mosaic virus</i> improves growth and reproduction of the aphid vector, <i>Myzus persicae</i> (green peach aphid). <i>Plant Journal</i> , 2014, 77, 653-663.	2.8	137
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6730	Multiple host-cell recombination pathways act in <i>Agrobacterium</i> -mediated transformation of plant cells. <i>Plant Journal</i> , 2014, 77, 511-520.	2.8	29
6731	Expression in <i>Arabidopsis</i> and cellular localization reveal involvement of rice NRAMP, OsNRAMP1, in arsenic transport and tolerance. <i>Plant, Cell and Environment</i> , 2014, 37, 140-152.	2.8	190
6732	The P450-type carotene hydroxylase PuCHY1 from <i>Porphyra</i> suggests the evolution of carotenoid metabolism in red algae. <i>Journal of Integrative Plant Biology</i> , 2014, 56, 902-915.	4.1	32
6733	<i>Arabidopsis</i> guard cell integrity involves the epigenetic stabilization of the FLP and FAMA transcription factor genes. <i>Plant Journal</i> , 2014, 78, 566-577.	2.8	55
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6735	A new link between stress response and nucleolar function during pollen development in <i>Arabidopsis</i> mediated by AtREN1 protein. <i>Plant, Cell and Environment</i> , 2014, 37, 670-683.	2.8	24
6736	AtMYB93 is a novel negative regulator of lateral root development in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2014, 203, 1194-1207.	3.5	79
6737	The <i>Arabidopsis</i> mitochondrial membrane-bound ubiquitin protease UBP27 contributes to mitochondrial morphogenesis. <i>Plant Journal</i> , 2014, 78, 1047-1059.	2.8	32
6738	Functional screening of willow alleles in <i>Arabidopsis</i> combined with QTL mapping in willow (<i>Salix</i>) identifies S x MAX 4 as a coppicing response gene. <i>Plant Biotechnology Journal</i> , 2014, 12, 480-491.	4.1	13
6739	RoKSN, a floral repressor, forms protein complexes with RoRFD and RoRFT to regulate vegetative and reproductive development in rose. <i>New Phytologist</i> , 2014, 202, 161-173.	3.5	76
6740	nMAT4, a maturase factor required for nad1 pre-mRNA processing and maturation, is essential for holocomplex biogenesis in <i>Arabidopsis</i> mitochondria. <i>Plant Journal</i> , 2014, 78, 253-268.	2.8	110

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6742	Barley metallothioneins differ in ontogenetic pattern and response to metals. <i>Plant, Cell and Environment</i> , 2014, 37, 353-367.	2.8	30
6743	<sc>CYP</sc>77<sc>A</sc>19 and <sc>CYP</sc>77<sc>A</sc>20 characterized from <sc>S</sc><sc>olanum tuberosum</sc> oxidize fatty acids <i>in vitro</i> and partially restore the wild phenotype in an <sc>A</sc><sc>rabidopsis thaliana</sc> cutin mutant. <i>Plant, Cell and Environment</i> , 2014, 37, 2102-2115.	2.8	17
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6751	An auxin-responsive endogenous peptide regulates root development in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2014, 56, 635-647.	4.1	20
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6753	The ERECTA receptor kinase regulates <i>Arabidopsis</i> shoot apical meristem size, phyllotaxy and floral meristem identity. <i>Development (Cambridge)</i> , 2014, 141, 830-841.	1.2	84
6754	Genetic and functional analysis of tocopherol biosynthesis pathway genes from rapeseed (<i>Brassica</i>) Tj ETQq1 1 0.784314.rgBT /Over	1.0	10
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6861	Strong seed-specific protein expression from the <i>Vigna radiata</i> storage protein 8SGL± promoter in transgenic <i>Arabidopsis</i> seeds. <i>Journal of Biotechnology</i> , 2014, 174, 49-56.	1.9	15
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6866	Two ancestral APETALA3 homologs from the basal angiosperm <i>Magnolia wufengensis</i> (Magnoliaceae) can affect flower development of <i>Arabidopsis</i> . <i>Gene</i> , 2014, 537, 100-107.	1.0	21

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6870	Nitric Oxide Sensing in Plants Is Mediated by Proteolytic Control of Group VII ERF Transcription Factors. <i>Molecular Cell</i> , 2014, 53, 369-379.	4.5	312
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6877	Overexpression of a GST gene (ThGSTZ1) from <i>Tamarix hispida</i> improves drought and salinity tolerance by enhancing the ability to scavenge reactive oxygen species. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 99-112.	1.2	108
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6948	A Bacterial Tyrosine Phosphatase Inhibits Plant Pattern Recognition Receptor Activation. <i>Science</i> , 2014, 343, 1509-1512.	6.0	152
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6952	Amplification of ABA biosynthesis and signaling through a positive feedback mechanism in seeds. <i>Plant Journal</i> , 2014, 78, 527-539.	2.8	61
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6954	The Pseudoenzyme PDX1.2 Boosts Vitamin B6 Biosynthesis under Heat and Oxidative Stress in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2014, 289, 8203-8216.	1.6	42
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6956	The metal transporter PglREG1 from the hyperaccumulator <i>Psychotria gabriellae</i> is a candidate gene for nickel tolerance and accumulation. <i>Journal of Experimental Botany</i> , 2014, 65, 1551-1564.	2.4	97

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6961	Pathogenesis-related protein PR4b interacts with leucine-rich repeat protein L1 to suppress triggered cell death and defense response in pepper. <i>Plant Journal</i> , 2014, 77, 521-533.	2.8	44
6962	Abscisic acid inhibits root growth in Arabidopsis through ethylene biosynthesis. <i>Plant Journal</i> , 2014, 79, 44-55.	2.8	158
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6965	Production of prostaglandins in transgenic Arabidopsis thaliana. <i>Phytochemistry</i> , 2014, 102, 74-79.	1.4	2
6966	Enzymatic and metabolic engineering for efficient production of syringin, sinapyl alcohol 4-O-glucoside, in Arabidopsis thaliana. <i>Phytochemistry</i> , 2014, 102, 55-63.	1.4	11
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6968	Ectopically expressed sweet pepper ferredoxin PFLP enhances disease resistance to <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> affected by harpin and protease-mediated hypersensitive response in Arabidopsis. <i>Molecular Plant Pathology</i> , 2014, 15, 892-906.	2.0	20
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6973	Plant perception of β^2 -aminobutyric acid is mediated by an aspartyl-tRNA synthetase. <i>Nature Chemical Biology</i> , 2014, 10, 450-456.	3.9	128
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6976	Heterologous expression of an alligatorweed high-affinity potassium transporter gene enhances salinity tolerance in <i>Arabidopsis thaliana</i> . <i>American Journal of Botany</i> , 2014, 101, 840-850.	0.8	21
6977	Characterization of Chrysanthemum ClSOC1-1 and ClSOC1-2, homologous genes of SOC1. <i>Plant Molecular Biology Reporter</i> , 2014, 32, 740-749.	1.0	16
6978	Both CRISPR/Cas9-based nucleases and nickases can be used efficiently for genome engineering in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2014, 79, 348-359.	2.8	662
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6982	Ectopic expression of an <i>Arabidopsis</i> dehydration-responsive element-binding factor DREB2C improves salt stress tolerance in crucifers. <i>Plant Cell Reports</i> , 2014, 33, 1239-1254.	2.8	24
6983	Functional characterization of a new grapevine MYB transcription factor and regulation of proanthocyanidin biosynthesis in grapes. <i>Journal of Experimental Botany</i> , 2014, 65, 4433-4449.	2.4	87
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6991	The <i>Arabidopsis</i> transcription factor bZIP11 activates auxin-mediated transcription by recruiting the histone acetylation machinery. <i>Nature Communications</i> , 2014, 5, 3883.	5.8	148
6992	Genome-wide analysis of AP2/ERF family genes from <i>Lotus corniculatus</i> shows LcERF054 enhances salt tolerance. <i>Functional and Integrative Genomics</i> , 2014, 14, 453-466.	1.4	55

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6998	<i>SCARECROW</i> , <i>SCR</i> -LIKE 23 and <i>SHORT</i> -ROOT control bundle sheath cell fate and function in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2014, 78, 319-327.	2.8	86
6999	GEM-Related 5 (GER5), an ABA and stress-responsive GRAM domain protein regulating seed development and inflorescence architecture. <i>Plant Science</i> , 2014, 223, 153-166.	1.7	36
7000	Unique WSPA protein from terrestrial macroscopic cyanobacteria can confer resistance to osmotic stress in transgenic plants. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 2361-2369.	1.7	20
7001	A Novel Maize Homeodomain "Leucine Zipper (HD-Zip) I Gene, <i>Zmhdz10</i> , Positively Regulates Drought and Salt Tolerance in Both Rice and <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2014, 55, 1142-1156.	1.5	171
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7009	The pepper patatin-like phospholipase CaPLP1 functions in plant cell death and defense signaling. <i>Plant Molecular Biology</i> , 2014, 84, 329-344.	2.0	25
7010	Cytokinin signalling inhibitory fields provide robustness to phyllotaxis. <i>Nature</i> , 2014, 505, 417-421.	13.7	236

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7016	Identification of a Plant Receptor for Extracellular ATP. <i>Science</i> , 2014, 343, 290-294.	6.0	435
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7026	<i>Agrobacterium</i> -mediated plant transformation: Factors, applications and recent advances. <i>Biocatalysis and Agricultural Biotechnology</i> , 2014, 3, 95-102.	1.5	51
7027	Characterization of tomato Cycling Dof Factors reveals conserved and new functions in the control of flowering time and abiotic stress responses. <i>Journal of Experimental Botany</i> , 2014, 65, 995-1012.	2.4	161
7028	<i>TRANSPARENT TESTA2</i> regulates embryonic fatty acid biosynthesis by targeting <i>FUSCA3</i> during the early developmental stage of <i>Arabidopsis</i> seeds. <i>Plant Journal</i> , 2014, 77, 757-769.	2.8	63
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7050	Ion antiport accelerates photosynthetic acclimation in fluctuating light environments. <i>Nature Communications</i> , 2014, 5, 5439.	5.8	205
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7055	The six conserved serine/threonine sites of REPRESSOR OF <i>ga1-3</i> protein are important for its functionality and stability in gibberellin signaling in <i>Arabidopsis</i> . <i>Planta</i> , 2014, 240, 763-779.	1.6	20
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7063	Regulation of <i>SOBIR1</i> accumulation and activation of defense responses in <i>Arabidopsis</i> by specific components of ER quality control. <i>Plant Journal</i> , 2014, 77, 748-756.	2.8	22
7064	Structural Features Determining Flower-Promoting Activity of <i>Arabidopsis</i> FLOWERING LOCUS T. <i>Plant Cell</i> , 2014, 26, 552-564.	3.1	196
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7067	Isolation and functional characterization of the Brassica napus cruciferin gene cru4 promoter. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 555-560.	0.9	0
7068	The Light-Harvesting Chlorophyll a/b Binding Proteins Lhcb1 and Lhcb2 Play Complementary Roles during State Transitions in Arabidopsis. <i>Plant Cell</i> , 2014, 26, 3646-3660.	3.1	236
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7079	Identification of Enzymes for Adenosine-to-Inosine Editing and Discovery of Cytidine-to-Uridine Editing in Nucleus-Encoded Transfer RNAs of Arabidopsis. <i>Plant Physiology</i> , 2014, 166, 1985-1997.	2.3	49
7080	<i>Arabidopsis</i> Lipins, PDAT1 Acyltransferase, and SDP1 Triacylglycerol Lipase Synergistically Direct Fatty Acids toward β -Oxidation, Thereby Maintaining Membrane Lipid Homeostasis. <i>Plant Cell</i> , 2014, 26, 4119-4134.	3.1	148
7081	SRO1 regulates heavy metal mercury stress response in Arabidopsis thaliana. <i>Science Bulletin</i> , 2014, 59, 3134-3141.	1.7	14
7082	ZAT11, a zinc finger transcription factor, is a negative regulator of nickel ion tolerance in Arabidopsis. <i>Plant Cell Reports</i> , 2014, 33, 2015-2021.	2.8	50
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7085	The <i>Arabidopsis</i> CALLOSE DEFECTIVE MICROSPORE1 Gene Is Required for Male Fertility through Regulating Callose Metabolism during Microsporogenesis. <i>Plant Physiology</i> , 2014, 164, 1893-1904.	2.3	85
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7087	The CRISPR/Cas system can be used as nuclease for <i>in planta</i> gene targeting and as paired nickases for directed mutagenesis in <i>Arabidopsis</i> resulting in heritable progeny. <i>Plant Journal</i> , 2014, 80, 1139-1150.	2.8	317
7088	The <i>Arabidopsis</i> Ethylene/Jasmonic Acid-NRT Signaling Module Coordinates Nitrate Reallocation and the Trade-Off between Growth and Environmental Adaptation. <i>Plant Cell</i> , 2014, 26, 3984-3998.	3.1	136
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7090	<i>Arabidopsis</i> RAV1 transcription factor, phosphorylated by SnRK2 kinases, regulates the expression of ABL3, ABL4, and ABL5 during seed germination and early seedling development. <i>Plant Journal</i> , 2014, 80, 654-668.	2.8	224
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7092	The Microtubule Plus-End Tracking Protein ARMADILLO-REPEAT KINESIN1 Promotes Microtubule Catastrophe in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 3372-3386.	3.1	44
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7098	Hydrogen Sulfide Generated by l-Cysteine Desulfhydrase Acts Upstream of Nitric Oxide to Modulate Abscisic Acid-Dependent Stomatal Closure. <i>Plant Physiology</i> , 2014, 166, 2065-2076.	2.3	238
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7100	ROP3 GTPase Contributes to Polar Auxin Transport and Auxin Responses and Is Important for Embryogenesis and Seedling Growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 3501-3518.	3.1	46
7101	microRNA319a-Targeted <i>Brassica rapa</i> ssp. <i>pekinensis</i> TCP Genes Modulate Head Shape in Chinese Cabbage by Differential Cell Division Arrest in Leaf Regions. <i>Plant Physiology</i> , 2014, 164, 710-720.	2.3	106

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7103	<i>Citrullus colocynthis</i> NAC transcription factors CcNAC1 and CcNAC2 are involved in light and auxin signaling. <i>Plant Cell Reports</i> , 2014, 33, 1673-1686.	2.8	14
7104	Loss of Cytosolic Phosphoglucose Isomerase Affects Carbohydrate Metabolism in Leaves and Is Essential for Fertility of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2014, 166, 753-765.	2.3	39
7105	Comparative analysis of synthetic DNA promoters for high-level gene expression in plants. <i>Planta</i> , 2014, 240, 855-875.	1.6	27
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7107	<i>Arabidopsis</i> Transporter MGT6 Mediates Magnesium Uptake and Is Required for Growth under Magnesium Limitation. <i>Plant Cell</i> , 2014, 26, 2234-2248.	3.1	108
7108	Expression of a Translationally Fused TAP-Tagged Plasma Membrane Proton Pump in <i>Arabidopsis thaliana</i> . <i>Biochemistry</i> , 2014, 53, 566-578.	1.2	25
7109	PLASTID MOVEMENT IMPAIRED1 mediates ABA sensitivity during germination and implicates ABA in light-mediated Chloroplast movements. <i>Plant Physiology and Biochemistry</i> , 2014, 83, 185-193.	2.8	9
7110	UGT74D1 Catalyzes the Glucosylation of 2-Oxindole-3-Acetic Acid in the Auxin Metabolic Pathway in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2014, 55, 218-228.	1.5	99
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7115	<i>HEAT-INDUCED TAS1 TARGET1</i> Mediates Thermotolerance via <i>HEAT STRESS TRANSCRIPTION FACTOR 1A</i> Directed Pathways in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 1764-1780.	3.1	152
7116	Receptor kinase-mediated control of primary active proton pumping at the plasma membrane. <i>Plant Journal</i> , 2014, 80, 951-964.	2.8	112
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7118	Overexpression of the Tomato Pollen Receptor Kinase LePRK1 Rewires Pollen Tube Growth to a Blebbing Mode. <i>Plant Cell</i> , 2014, 26, 3538-3555.	3.1	32
7119	A wheat lipid transfer protein 3 could enhance the basal thermotolerance and oxidative stress resistance of <i>Arabidopsis</i> . <i>Gene</i> , 2014, 550, 18-26.	1.0	49

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7121	A Subset of Arabidopsis RAV Transcription Factors Modulates Drought and Salt Stress Responses Independent of ABA. <i>Plant and Cell Physiology</i> , 2014, 55, 1892-1904.	1.5	121
7122	"Fukusensor"™ a genetically engineered plant for reporting DNA damage in response to gamma radiation. <i>Plant Biotechnology Journal</i> , 2014, 12, 1329-1332.	4.1	7
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7124	The pentatricopeptide repeat protein MEF26 participates in RNA editing in mitochondrial <i>cox3</i> and <i>nad4</i> transcripts. <i>Mitochondrion</i> , 2014, 19, 126-134.	1.6	11
7125	HMA1 and PAA1, two chloroplast-envelope PIB-ATPases, play distinct roles in chloroplast copper homeostasis. <i>Journal of Experimental Botany</i> , 2014, 65, 1529-1540.	2.4	60
7126	Characterization of a Wheat R2R3-MYB Transcription Factor Gene, TaMYB19, Involved in Enhanced Abiotic Stresses in Arabidopsis. <i>Plant and Cell Physiology</i> , 2014, 55, 1802-1812.	1.5	62
7127	The purine metabolite allantoin enhances abiotic stress tolerance through synergistic activation of abscisic acid metabolism. <i>Plant, Cell and Environment</i> , 2014, 37, 1022-1036.	2.8	155
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7143	Overexpression of a tobacco J-domain protein enhances drought tolerance in transgenic Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2014, 83, 100-106.	2.8	26
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7241	Overexpression of a <i>Lotus corniculatus</i> AP2/ERF transcription factor gene, LcERF080, enhances tolerance to salt stress in transgenic <i>Arabidopsis</i> . <i>Plant Biotechnology Reports</i> , 2014, 8, 315-324.	0.9	10
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7279	A promoter analysis of MOTHER OF FT AND TFL1 1 (<i>JcMFT1</i>), a seed-preferential gene from the biofuel plant <i>Jatropha curcas</i> . <i>Journal of Plant Research</i> , 2014, 127, 513-524.	1.2	29
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7282	The <i>Arabidopsis</i> LYSIN MOTIF-CONTAINING RECEPTOR-LIKE KINASE3 Regulates the Cross Talk between Immunity and Abscisic Acid Responses. <i>Plant Physiology</i> , 2014, 165, 262-276.	2.3	71
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7301	Functional characterization of <i>GhAKT1</i> , a novel Shaker-like K ⁺ channel gene involved in K ⁺ uptake from cotton (<i>Gossypium hirsutum</i>). <i>Gene</i> , 2014, 545, 61-71.	1.0	19

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7369	Phytosulfokine Is Involved in Positive Regulation of <i>Lotus japonicus</i> Nodulation. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 847-855.	1.4	28
7371	Overexpression of GbRLK, a putative receptor-like kinase gene, improved cotton tolerance to <i>Verticillium</i> wilt. <i>Scientific Reports</i> , 2015, 5, 15048.	1.6	63
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7373	OsRDR6 plays role in host defense against double-stranded RNA virus, Rice Dwarf Phytoreovirus. <i>Scientific Reports</i> , 2015, 5, 11324.	1.6	44
7374	A Casparian strip domain-like gene, CASPL, negatively alters growth and cold tolerance. <i>Scientific Reports</i> , 2015, 5, 14299.	1.6	36

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7376	Combined haploinsufficiency and purifying selection drive retention of RPL36a paralogs in Arabidopsis. <i>Scientific Reports</i> , 2014, 4, 4122.	1.6	40
7377	Loss of function of folylpolyglutamate synthetase 1 reduces lignin content and improves cell wall digestibility in Arabidopsis. <i>Biotechnology for Biofuels</i> , 2015, 8, 224.	6.2	27
7378	Plastid control of abaxial-adaxial patterning. <i>Scientific Reports</i> , 2015, 5, 15975.	1.6	17
7379	Loss-of-function mutation in SCY1 triggers chloroplast-to-nucleus retrograde signaling in Arabidopsis thaliana. <i>Biologia Plantarum</i> , 2015, 59, 469-476.	1.9	1
7380	Proper expression of AS1 is required for RPW8.1-mediated defense against powdery mildew in Arabidopsis. <i>Physiological and Molecular Plant Pathology</i> , 2015, 92, 101-111.	1.3	4
7381	Alternative splicing of the AGAMOUS orthologous gene in double flower of Magnolia stellata (Magnoliaceae). <i>Plant Science</i> , 2015, 241, 277-285.	1.7	39
7382	Functional characterization of DnSIZ1, a SIZ/PIAS-type SUMO E3 ligase from Dendrobium. <i>BMC Plant Biology</i> , 2015, 15, 225.	1.6	27
7383	Molecular characterization and functional analysis of barley semi-dwarf mutant Riso no. 9265. <i>BMC Genomics</i> , 2015, 16, 927.	1.2	38
7384	In situ structure of FtsZ mini-rings in Arabidopsis chloroplasts. <i>Advanced Structural and Chemical Imaging</i> , 2015, 1, .	4.0	2
7385	<i>Arabidopsis thaliana</i> HomeoBox 1 (At<sc>HB</sc>1), a Homeodomainâ€Leucine Zipper I (<sc>HD</sc>â€Zip I) transcription factor, is regulated by PHYTOCHROMEâ€INTERACTING FACTOR 1 to promote hypocotyl elongation. <i>New Phytologist</i> , 2015, 207, 669-682.	3.5	69
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7390	Secondary si<sc>RNA</sc>s from <i>Medicago</i> <sc>NB</sc>â€<sc>LRR</sc>s modulated via mi<sc>RNA</sc>â€target interactions and their abundances. <i>Plant Journal</i> , 2015, 83, 451-465.	2.8	67
7391	The Arabidopsis root stele transporter NPF2.3 contributes to nitrate translocation to shoots under salt stress. <i>Plant Journal</i> , 2015, 83, 466-479.	2.8	107
7392	<sc>A</sc><i>rabidopsis</i> dynaminâ€related protein 1<sc>E</sc> in sphingolipidâ€enriched plasma membrane domains is associated with the development of freezing tolerance. <i>Plant Journal</i> , 2015, 83, 501-514.	2.8	20

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7396	Jasmonic acid promotes degreening via <sc>MYC</sc>2/3/4 and <sc>ANAC</sc>019/055/072-mediated regulation of major chlorophyll catabolic genes. <i>Plant Journal</i> , 2015, 84, 597-610.	2.8	219
7397	Diversification of sterol methyltransferase enzymes in plants and a role for sitosterol in oriented cell plate formation and polarized growth. <i>Plant Journal</i> , 2015, 84, 860-874.	2.8	35
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7400	Expression and testing in plants of ArcLight, a genetically encoded voltage indicator used in neuroscience research. <i>BMC Plant Biology</i> , 2015, 15, 245.	1.6	37
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7508	The novel and taxonomically restricted Ah24 gene from grain amaranth (<i>Amaranthus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502 Td (hyp	1.7	20
7509	An engineered lipid remodeling system using a galactolipid synthase promoter during phosphate starvation enhances oil accumulation in plants. <i>Frontiers in Plant Science</i> , 2015, 6, 664.	1.7	18
7510	<i>Arabidopsis</i> AtERF15 positively regulates immunity against <i>Pseudomonas syringae</i> pv. tomato DC3000 and <i>Botrytis cinerea</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 686.	1.7	80
7511	Impacts of strigolactone on shoot branching under phosphate starvation in chrysanthemum (<i>Dendranthema grandiflorum</i> cv. Jinba). <i>Frontiers in Plant Science</i> , 2015, 6, 694.	1.7	21
7512	Natural variation in cross-talk between glucosinolates and onset of flowering in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 697.	1.7	60
7513	Differentially expressed seed aging responsive heat shock protein OsHSP18.2 implicates in seed vigor, longevity and improves germination and seedling establishment under abiotic stress. <i>Frontiers in Plant Science</i> , 2015, 6, 713.	1.7	103
7514	Expression of <i>Arabidopsis</i> FCS-Like Zinc finger genes is differentially regulated by sugars, cellular energy level, and abiotic stress. <i>Frontiers in Plant Science</i> , 2015, 6, 746.	1.7	45
7515	Investigation of the multifunctional gene AOP3 expands the regulatory network fine-tuning glucosinolate production in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 762.	1.7	14
7516	Mitochondrial pleomorphy in plant cells is driven by contiguous ER dynamics. <i>Frontiers in Plant Science</i> , 2015, 6, 783.	1.7	80
7517	The <i>Arabidopsis</i> minE mutation causes new plastid and FtsZ1 localization phenotypes in the leaf epidermis. <i>Frontiers in Plant Science</i> , 2015, 6, 823.	1.7	18
7518	Somatic embryogenesis receptor-like kinase 5 in the ecotype <i>Landsberg erecta</i> of <i>Arabidopsis</i> is a functional RD LRR-RLK in regulating brassinosteroid signaling and cell death control. <i>Frontiers in Plant Science</i> , 2015, 6, 852.	1.7	40
7519	Low Temperature-Induced 30 (LTI30) positively regulates drought stress resistance in <i>Arabidopsis</i> : effect on abscisic acid sensitivity and hydrogen peroxide accumulation. <i>Frontiers in Plant Science</i> , 2015, 6, 893.	1.7	22

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7520	The Piriformospora indica effector PIIN_08944 promotes the mutualistic Sebacinalean symbiosis. <i>Frontiers in Plant Science</i> , 2015, 6, 906.	1.7	59
7521	<i>Gladiolus hybridus</i> ABSCISIC ACID INSENSITIVE 5 (GhABI5) is an important transcription factor in ABA signaling that can enhance <i>Gladiolus</i> corm dormancy and <i>Arabidopsis</i> seed dormancy. <i>Frontiers in Plant Science</i> , 2015, 6, 960.	1.7	28
7522	The role of promoter cis-element, mRNA capping, and ROS in the repression and salt-inducible expression of AtSOT12 in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 974.	1.7	5
7523	The IDA Peptide Controls Abscission in <i>Arabidopsis</i> and Citrus. <i>Frontiers in Plant Science</i> , 2015, 6, 1003.	1.7	57
7524	The Small Ethylene Response Factor ERF96 is Involved in the Regulation of the Abscisic Acid Response in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 1064.	1.7	45
7525	The Persimmon 9-lipoxygenase Gene DkLOX3 Plays Positive Roles in Both Promoting Senescence and Enhancing Tolerance to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2015, 6, 1073.	1.7	57
7526	Functional Divergence of APETALA1 and FRUITFULL is due to Changes in both Regulation and Coding Sequence. <i>Frontiers in Plant Science</i> , 2015, 6, 1076.	1.7	32
7527	Ectopic Expression in <i>Arabidopsis thaliana</i> of an NB-ARC Encoding Putative Disease Resistance Gene from Wild Chinese <i>Vitis pseudoreticulata</i> Enhances Resistance to Phytopathogenic Fungi and Bacteria. <i>Frontiers in Plant Science</i> , 2015, 6, 1087.	1.7	22
7528	The <i>Arabidopsis</i> COX11 Homolog is Essential for Cytochrome c Oxidase Activity. <i>Frontiers in Plant Science</i> , 2015, 6, 1091.	1.7	51
7529	Dosage Sensitivity of RPL9 and Concerted Evolution of Ribosomal Protein Genes in Plants. <i>Frontiers in Plant Science</i> , 2015, 6, 1102.	1.7	12
7530	Universal Stress Protein Exhibits a Redox-Dependent Chaperone Function in <i>Arabidopsis</i> and Enhances Plant Tolerance to Heat Shock and Oxidative Stress. <i>Frontiers in Plant Science</i> , 2015, 6, 1141.	1.7	74
7531	Loss-of-Function Mutations in CsMLO1 Confer Durable Powdery Mildew Resistance in Cucumber (<i>Cucumis sativus</i> L.). <i>Frontiers in Plant Science</i> , 2015, 6, 1155.	1.7	65
7532	Constitutive Expression of OsIAA9 Affects Starch Granules Accumulation and Root Gravitropic Response in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 1156.	1.7	26
7533	Expression of Mouse MGAT in <i>Arabidopsis</i> Results in Increased Lipid Accumulation in Seeds. <i>Frontiers in Plant Science</i> , 2015, 6, 1180.	1.7	11
7534	Functional characterization and analysis of the <i>Arabidopsis</i> UGT71C5 promoter region. <i>Genetics and Molecular Research</i> , 2015, 14, 19173-19183.	0.3	5
7535	Transgenic Cotton Breeding. <i>Agronomy</i> , 0, , 229-253.	0.2	7
7536	Heterologous Reconstitution of Omega-3 Polyunsaturated Fatty Acids in <i>Arabidopsis</i> . <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	5
7537	Calcium specificity signaling mechanisms in abscisic acid signal transduction in <i>Arabidopsis</i> guard cells. <i>ELife</i> , 2015, 4, .	2.8	172

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7538	Suppression of ASK1 ² (AtSK32), a Clade III Arabidopsis GSK3, Leads to the Pollen Defect during Late Pollen Development. <i>Molecules and Cells</i> , 2015, 38, 506-517.	1.0	11
7539	Recruitment of PLANT U-BOX13 and the PI4K1 ² /1 ² Phosphatidylinositol-4 Kinases by the Small GTPase RabA4B Plays Important Roles during Salicylic Acid-Mediated Plant Defense Signaling in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 243-261.	3.1	112
7540	Tudor Staphylococcal Nuclease Links Formation of Stress Granules and Processing Bodies with mRNA Catabolism in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 926-943.	3.1	114
7541	Arabidopsis CALCIUM-DEPENDENT PROTEIN KINASE8 and CATALASE3 Function in Abscisic Acid-Mediated Signaling and H ₂ O ₂ Homeostasis in Stomatal Guard Cells under Drought Stress. <i>Plant Cell</i> , 2015, 27, 1445-1460.	3.1	266
7542	Two N-Terminal Acetyltransferases Antagonistically Regulate the Stability of a Nod-Like Receptor in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 1547-1562.	3.1	102
7543	A highly charged region in the middle domain of plant endoplasmic reticulum (ER)-localized heat-shock protein 90 is required for resistance to tunicamycin or high calcium-induced ER stresses. <i>Journal of Experimental Botany</i> , 2015, 66, 113-124.	2.4	25
7544	Functional and expression analyses of kiwifruit <i>SOC1</i> -like genes suggest that they may not have a role in the transition to flowering but may affect the duration of dormancy. <i>Journal of Experimental Botany</i> , 2015, 66, 4699-4710.	2.4	68
7545	A novel NAP member GhNAP is involved in leaf senescence in <i>Gossypium hirsutum</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4669-4682.	2.4	72
7546	Genetic Identification of ACC-RESISTANT2 Reveals Involvement of LYSINE HISTIDINE TRANSPORTER1 in the Uptake of 1-Aminocyclopropane-1-Carboxylic Acid in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2015, 56, 572-582.	1.5	95
7547	<i>Cucumis sativus</i> L. <i>WAX2</i> Plays a Pivotal Role in Wax Biosynthesis, Influencing Pollen Fertility and Plant Biotic and Abiotic Stress Responses. <i>Plant and Cell Physiology</i> , 2015, 56, 1339-1354.	1.5	116
7548	Metabolic engineering of oilseed crops to produce high levels of novel acetyl glyceride oils with reduced viscosity, freezing point and calorific value. <i>Plant Biotechnology Journal</i> , 2015, 13, 858-865.	4.1	67
7549	A "golden" SNP in <i>CmOr</i> governs the fruit flesh color of melon (<i>Cucumis</i>) Tj ETQq1 1 0,784314 rgBT /Over	2.8	173
7550	Natural Variation in Epigenetic Pathways Affects the Specification of Female Gamete Precursors in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 1034-1045.	3.1	47
7551	Cell Differentiation and Development in <i>Arabidopsis</i> Are Associated with Changes in Histone Dynamics at the Single-Cell Level. <i>Plant Cell</i> , 2015, 26, 4821-4833.	3.1	66
7552	Sequence and expression variations suggest an adaptive role for the DA1-like gene family in the evolution of soybeans. <i>BMC Plant Biology</i> , 2015, 15, 120.	1.6	14
7553	Gene Targeting in Crop Species with Effective Selection Systems. , 2015, , 91-111.		2
7554	In Planta Processing and Glycosylation of a Nematode CLAVATA3/ENDOSPERM SURROUNDING REGION-Like Effector and Its Interaction with a Host CLAVATA2-Like Receptor to Promote Parasitism. <i>Plant Physiology</i> , 2015, 167, 262-272.	2.3	52
7555	A Calcium Sensor-Regulated Protein Kinase, CALCINEURIN B-LIKE PROTEIN-INTERACTING PROTEIN KINASE19, Is Required for Pollen Tube Growth and Polarity. <i>Plant Physiology</i> , 2015, 167, 1351-1360.	2.3	53

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7557	Sucrose phosphate synthase and sucrose phosphate phosphatase interact in planta and promote plant growth and biomass accumulation. <i>Journal of Experimental Botany</i> , 2015, 66, 4383-4394.	2.4	76
7558	The Arabidopsis RNA-Binding Protein AtrGGA Regulates Tolerance to Salt and Drought Stress. <i>Plant Physiology</i> , 2015, 168, 292-306.	2.3	63
7559	WRKY42 Modulates Phosphate Homeostasis through Regulating Phosphate Translocation and Acquisition in Arabidopsis. <i>Plant Physiology</i> , 2015, 167, 1579-1591.	2.3	153
7560	Arabidopsis Squalene Epoxidase 3 (SQE3) Complements SQE1 and Is Important for Embryo Development and Bulk Squalene Epoxidase Activity. <i>Molecular Plant</i> , 2015, 8, 1090-1102.	3.9	59
7561	A Conserved Glutamate Residue in the C-terminal Deaminase Domain of Pentatricopeptide Repeat Proteins Is Required for RNA Editing Activity. <i>Journal of Biological Chemistry</i> , 2015, 290, 10136-10142.	1.6	63
7562	Ribonuclease J is required for chloroplast and embryo development in Arabidopsis. <i>Journal of Experimental Botany</i> , 2015, 66, 2079-2091.	2.4	59
7563	Chrysanthemum WRKY gene CmWRKY17 negatively regulates salt stress tolerance in transgenic chrysanthemum and Arabidopsis plants. <i>Plant Cell Reports</i> , 2015, 34, 1365-1378.	2.8	87
7564	Molecular cloning and characterization of the ABA-specific glucosyltransferase gene from bean (<i>Phaseolus vulgaris</i> L.). <i>Journal of Plant Physiology</i> , 2015, 178, 1-9.	1.6	13
7565	Cell wall modifications triggered by the down-regulation of Coumarate 3-hydroxylase-1 in maize. <i>Plant Science</i> , 2015, 236, 272-282.	1.7	44
7566	Tomato (<i>Solanum lycopersicum</i> L.) SIIPT3 and SIIPT4 isopentenyltransferases mediate salt stress response in tomato. <i>BMC Plant Biology</i> , 2015, 15, 85.	1.6	73
7567	Reconstitution of a Secondary Cell Wall in a Secondary Cell Wall-Deficient Arabidopsis Mutant. <i>Plant and Cell Physiology</i> , 2015, 56, 299-310.	1.5	70
7568	Rice OsSAP7 negatively regulates ABA stress signalling and imparts sensitivity to water-deficit stress in Arabidopsis. <i>Plant Science</i> , 2015, 237, 80-92.	1.7	49
7569	A cotton fiber-preferential promoter, PGbEXPA2, is regulated by GA and ABA in Arabidopsis. <i>Plant Cell Reports</i> , 2015, 34, 1539-1549.	2.8	26
7570	Lysine Residues Are Not Required for Proteasome-Mediated Proteolysis of the Auxin/Indole Acetic Acid Protein IAA1. <i>Plant Physiology</i> , 2015, 168, 708-720.	2.3	39
7571	Chlorophyll Synthase under Epigenetic Surveillance Is Critical for Vitamin E Synthesis, and Altered Expression Affects Tocopherol Levels in Arabidopsis. <i>Plant Physiology</i> , 2015, 168, 1503-1511.	2.3	40
7572	Arabidopsis Glutamate Receptor Homolog3.5 Modulates Cytosolic Ca ²⁺ Level to Counteract Effect of Abscisic Acid in Seed Germination. <i>Plant Physiology</i> , 2015, 167, 1630-1642.	2.3	127
7573	The calcium sensor CBL7 modulates plant responses to low nitrate in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 59-65.	1.0	40

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7575	Rhizobacterial volatiles and photosynthesis-related signals coordinate <i>MYB72</i> expression in <i>Arabidopsis</i> roots during onset of induced systemic resistance and iron deficiency responses. <i>Plant Journal</i> , 2015, 84, 309-322.	2.8	171
7576	<i>Arabidopsis</i> plants deficient in constitutive class profilins reveal independent and quantitative genetic effects. <i>BMC Plant Biology</i> , 2015, 15, 177.	1.6	20
7577	KONJAC1 and 2 Are Key Factors for GDP-Mannose Generation and Affect L-Ascorbic Acid and Glucosaminan Biosynthesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 3397-3409.	3.1	48
7578	Tuning of Pectin Methylesterification. <i>Journal of Biological Chemistry</i> , 2015, 290, 23320-23335.	1.6	52
7579	Pepper aldehyde dehydrogenase <i>CaALDH1</i> interacts with <i>Xanthomonas</i> effector <i>AvrBsT</i> and promotes effector-triggered cell death and defence responses. <i>Journal of Experimental Botany</i> , 2015, 66, 3367-3380.	2.4	26
7580	Expression of potato RNA-binding proteins <i>StUBA2a/b</i> and <i>StUBA2c</i> induces hypersensitive-like cell death and early leaf senescence in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4023-4033.	2.4	17
7581	Functional analysis of the three <i>HMA4</i> copies of the metal hyperaccumulator <i>Arabidopsis halleri</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 5783-5795.	2.4	52
7582	Three genes encoding <i>AOP2</i> , a protein involved in aliphatic glucosinolate biosynthesis, are differentially expressed in <i>Brassica rapa</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 6205-6218.	2.4	29
7583	<i>ECERIFERUM2</i> -LIKE Proteins Have Unique Biochemical and Physiological Functions in Very-Long-Chain Fatty Acid Elongation. <i>Plant Physiology</i> , 2015, 167, 682-692.	2.3	101
7584	<i>ALTERED MERISTEM PROGRAM1</i> Suppresses Ectopic Stem Cell Niche Formation in the Shoot Apical Meristem in a Largely Cytokinin-Independent Manner. <i>Plant Physiology</i> , 2015, 167, 1471-1486.	2.3	28
7585	The Presence of Fucogalactoxyloglucan and Its Synthesis in Rice Indicates Conserved Functional Importance in Plants. <i>Plant Physiology</i> , 2015, 168, 549-560.	2.3	55
7586	Leaf Variegation of <i>Thylakoid Formation1</i> Is Suppressed by Mutations of Specific <i>TF</i> -Factors in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 168, 1066-1075.	2.3	20
7587	Comprehensive Assessment of Transcriptional Regulation Facilitates Metabolic Engineering of Isoprenoid Accumulation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, pp.00573.2015.	2.3	29
7588	Second-Site Mutagenesis of a Hypomorphic <i>argonaute1</i> Allele Identifies <i>SUPERKILLER3</i> as an Endogenous Suppressor of Transgene Posttranscriptional Gene Silencing. <i>Plant Physiology</i> , 2015, 169, 1266-1274.	2.3	38
7589	Identification of Regions in the Receiver Domain of the <i>ETHYLENE RESPONSE1</i> Ethylene Receptor of <i>Arabidopsis</i> Important for Functional Divergence. <i>Plant Physiology</i> , 2015, 169, 219-232.	2.3	19
7590	GAP Activity, but Not Subcellular Targeting, Is Required for <i>Arabidopsis</i> <i>RanGAP</i> Cellular and Developmental Functions. <i>Plant Cell</i> , 2015, 27, 1985-1998.	3.1	17
7591	The <i>WRKY</i> Transcription Factor <i>WRKY71/EXB1</i> Controls Shoot Branching by Transcriptionally Regulating <i>RAX</i> Genes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 3112-3127.	3.1	102

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7593	A specialized histone H1 variant is required for adaptive responses to complex abiotic stress and related DNA methylation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, pp.00493.2015.	2.3	101
7594	Alternate wiring of a <i>KNOX1</i> genetic network underlies differences in leaf development of <i>A. thaliana</i> and <i>C. hirsuta</i> . <i>Genes and Development</i> , 2015, 29, 2391-2404.	2.7	68
7595	An <i>Arabidopsis</i> WDR protein coordinates cellular networks involved in light, stress response and hormone signals. <i>Plant Science</i> , 2015, 241, 23-31.	1.7	16
7596	<i>Arabidopsis</i> Cell Division Cycle 20.1 Is Required for Normal Meiotic Spindle Assembly and Chromosome Segregation. <i>Plant Cell</i> , 2015, 27, 3367-3382.	3.1	55
7597	Multiple abiotic stress tolerance of the transformants yeast cells and the transgenic <i>Arabidopsis</i> plants expressing a novel durum wheat catalase. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 420-431.	2.8	26
7598	Is the auxin influx carrier <i>LAX3</i> essential for plant growth and development in the model plants <i>Medicago truncatula</i> , <i>Lotus japonicus</i> and <i>Arabidopsis thaliana</i> ? <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 786-797.	0.5	18
7599	Identification and comprehensive analyses of the CBL and CIPK gene families in wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	106
7600	Evidence for autophagy-dependent pathways of rRNA turnover in <i>Arabidopsis</i> . <i>Autophagy</i> , 2015, 11, 2199-2212.	4.3	92
7601	Profilin Regulates Apical Actin Polymerization to Control Polarized Pollen Tube Growth. <i>Molecular Plant</i> , 2015, 8, 1694-1709.	3.9	51
7602	Grapevine and <i>Arabidopsis</i> cation-chloride cotransporters localise to the Golgi and trans-Golgi network and indirectly influence long-distance ion homeostasis and plant salt tolerance. <i>Plant Physiology</i> , 2015, 169, pp.00499.2015.	2.3	55
7603	Overexpression of the autophagy-related gene <i>SiATG8a</i> from foxtail millet (<i>Setaria italica</i> L.) confers tolerance to both nitrogen starvation and drought stress in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 800-806.	1.0	68
7604	The nitrate inducible NAC transcription factor <i>TaNAC2-5A</i> controls nitrate response and increases wheat yield. <i>Plant Physiology</i> , 2015, 169, pp.00568.2015.	2.3	146
7605	<i>CORONA</i> , <i>PHABULOSA</i> and <i>PHAVOLUTA</i> collaborate with <i>BELL 1</i> to confine <i>WUSCHEL</i> expression to the nucellus in <i>Arabidopsis</i> ovules. <i>Development (Cambridge)</i> , 2015, 143, 422-6.	1.2	37
7606	<i>Arabidopsis</i> CBP1 Is a Novel Regulator of Transcription Initiation in Central Cell-Mediated Pollen Tube Guidance. <i>Plant Cell</i> , 2015, 27, 2880-2893.	3.1	54
7607	The histone methyltransferase <i>SDG8</i> mediates the epigenetic modification of light and carbon responsive genes in plants. <i>Genome Biology</i> , 2015, 16, 79.	3.8	91
7608	Arginine metabolism of <i>Arabidopsis thaliana</i> is modulated by <i>Heterodera schachtii</i> infection. <i>Nematology</i> , 2015, 17, 1027-1043.	0.2	5
7609	<i>MEF13</i> Requires <i>MORF3</i> and <i>MORF8</i> for RNA Editing at Eight Targets in Mitochondrial mRNAs in <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 2015, 8, 1466-1477.	3.9	73

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7611	A coherent transcriptional feed-forward motif model for mediating auxin-sensitive PIN3 expression during lateral root development. <i>Nature Communications</i> , 2015, 6, 8821.	5.8	70
7612	Nitrate-dependent control of shoot K homeostasis by NPF7.3/NRT1.5 and SKOR in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, pp.01152.2015.	2.3	83
7613	CYP76C1 (Cytochrome P450)-Mediated Linalool Metabolism and the Formation of Volatile and Soluble Linalool Oxides in Arabidopsis Flowers: A Strategy for Defense against Floral Antagonists. <i>Plant Cell</i> , 2015, 27, tpc.15.00399.	3.1	75
7614	Strigolactone Signaling in Arabidopsis Regulates Shoot Development by Targeting D53-Like SMXL Repressor Proteins for Ubiquitination and Degradation. <i>Plant Cell</i> , 2015, 27, 3128-3142.	3.1	310
7615	Direct evidence that suspensor cells have embryogenic potential that is suppressed by the embryo proper during normal embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12432-12437.	3.3	43
7616	Dual Targeting of the Protein Methyltransferase PrmA Contributes to Both Chloroplastic and Mitochondrial Ribosomal Protein L11 Methylation in Arabidopsis. <i>Plant and Cell Physiology</i> , 2015, 56, 1697-1710.	1.5	19
7617	Cloning and characterization of the LFY homologue from Chinese cabbage (<i>Brassica rapa</i> subsp.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.7	4
7618	Characterization of the Histidine-Rich Loop of Arabidopsis Vacuolar Membrane Zinc Transporter AtMTP1 as a Sensor of Zinc Level in the Cytosol. <i>Plant and Cell Physiology</i> , 2015, 56, 510-519.	1.5	26
7619	<i>Arabidopsis</i> Ensemble Reverse-Engineered Gene Regulatory Network Discloses Interconnected Transcription Factors in Oxidative Stress. <i>Plant Cell</i> , 2015, 26, 4656-4679.	3.1	79
7620	Characterization of a small constitutive promoter from Arabidopsis translationally controlled tumor protein (AtTCTP) gene for plant transformation. <i>Plant Cell Reports</i> , 2015, 34, 265-275.	2.8	38
7621	Identification and Characterization of a T-DNA Promoter Trap Line of Arabidopsis thaliana Uncovers an Embryo Sac-Specific Bi-directional Promoter. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1404-1412.	1.0	6
7622	A Region Containing an as-1 Element of Dahlia Mosaic Virus (DaMV) Subgenomic Transcript Promoter Plays a Key Role in Green Tissue- and Root-Specific Expression in Plants. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 532-556.	1.0	18
7623	Generation and characterization of tribenuron-methyl herbicide-resistant rapeseed (<i>Brassica napus</i>) for hybrid seed production using chemically induced male sterility. <i>Theoretical and Applied Genetics</i> , 2015, 128, 107-118.	1.8	41
7624	DOMAINS REARRANGED METHYLTRANSFERASE3 controls DNA methylation and regulates RNA polymerase V transcript abundance in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 911-916.	3.3	192
7625	Expression of rice gene OsMSR4 confers decreased ABA sensitivity and improved drought tolerance in Arabidopsis thaliana. <i>Plant Growth Regulation</i> , 2015, 75, 549-556.	1.8	6
7626	AtDsPTP1 acts as a negative regulator in osmotic stress signalling during Arabidopsis seed germination and seedling establishment. <i>Journal of Experimental Botany</i> , 2015, 66, 1339-1353.	2.4	31
7627	Deeply Diverged Alleles in the Arabidopsis AREB1 Transcription Factor Drive Genome-Wide Differences in Transcriptional Response to the Environment. <i>Molecular Biology and Evolution</i> , 2015, 32, 956-969.	3.5	10

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7629	<scp>BURSTING POLLEN</scp> is required to organize the pollen germination plaque and pollen tube tip in <i>Arabidopsis thaliana</i>. <i>New Phytologist</i> , 2015, 206, 255-267.	3.5	28
7630	Overexpression of Arabidopsis phosphoinositide-specific phospholipase C5 induces leaf senescence. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 585-595.	1.2	4
7631	Mutations in the Predicted Active Site of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> XopQ Differentially Affect Virulence, Suppression of Host Innate Immunity, and Induction of the HR in a Nonhost Plant. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 195-206.	1.4	23
7632	A direct method for genetically transforming rice seeds modelled with FHVB2, a suppressor of RNAi. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 277-289.	1.2	6
7633	<i>Arabidopsis thaliana</i> thymidine kinase 1a is ubiquitously expressed during development and contributes to confer tolerance to genotoxic stress. <i>Plant Molecular Biology</i> , 2015, 87, 303-315.	2.0	8
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7635	A novel DREB transcription factor from <i>Halimodendron halodendron</i> leads to enhance drought and salt tolerance in <i>Arabidopsis</i> . <i>Biologia Plantarum</i> , 2015, 59, 74-82.	1.9	18
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7652	ZmGns, a maize class I β -glucanase, is induced by biotic stresses and possesses strong antimicrobial activity. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 271-283.	4.1	31
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7654	FYVE1 Is Essential for Vacuole Biogenesis and Intracellular Trafficking in Arabidopsis. <i>Plant Physiology</i> , 2015, 167, 1361-1373.	2.3	110
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7663	Phosphorylation of Serine 186 of bHLH Transcription Factor <i>SPEECHLESS</i> Promotes Stomatal Development in Arabidopsis. <i>Molecular Plant</i> , 2015, 8, 783-795.	3.9	56

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7887	Identification and localized expression of putative K ⁺ /H ⁺ antiporter genes in <i>Arabidopsis</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	15
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7911	Controlled expression of pectic enzymes in <i>Arabidopsis thaliana</i> enhances biomass conversion without adverse effects on growth. <i>Phytochemistry</i> , 2015, 112, 221-230.	1.4	27
7912	Ectopic expression of a phytochrome B gene from Chinese cabbage (<i>Brassica rapa</i> L. ssp. <i>pekinensis</i>) in <i>Arabidopsis thaliana</i> promotes seedling de-etiolation, dwarfing in mature plants, and delayed flowering. <i>Plant Molecular Biology</i> , 2015, 87, 633-643.	2.0	11
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7985	The C-Terminal Sequence and PI motif of the Orchid (<i>Oncidium Gower Ramsey</i>) <i>PISTILLATA</i> (PI) Ortholog Determine its Ability to Bind AP3 Orthologs and Enter the Nucleus to Regulate Downstream Genes Controlling Petal and Stamen Formation. <i>Plant and Cell Physiology</i> , 2015, 56, pcv129.	1.5	16
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8014	Arabidopsis <i>HIT4</i> , a regulator involved in heat-triggered reorganization of chromatin and release of transcriptional gene silencing, relocates from chromocenters to the nucleolus in response to heat stress. <i>New Phytologist</i> , 2015, 205, 544-554.	3.5	25
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8016	Glycosyltransferase-like protein <i>ABI8/ELD1/KOB1</i> promotes <i>Arabidopsis</i> hypocotyl elongation through regulating cellulose biosynthesis. <i>Plant, Cell and Environment</i> , 2015, 38, 411-422.	2.8	16
8017	Posttranslational Modifications of the Master Transcriptional Regulator NPR1 Enable Dynamic but Tight Control of Plant Immune Responses. <i>Cell Host and Microbe</i> , 2015, 18, 169-182.	5.1	199
8018	Expression of <i>Brassica napus</i> <i>TTG2</i> , a regulator of trichome development, increases plant sensitivity to salt stress by suppressing the expression of auxin biosynthesis genes. <i>Journal of Experimental Botany</i> , 2015, 66, 5821-5836.	2.4	39
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8020	The pepper phosphoenolpyruvate carboxykinase <i>CaPEPCK1</i> is involved in plant immunity against bacterial and oomycete pathogens. <i>Plant Molecular Biology</i> , 2015, 89, 99-111.	2.0	18
8021	The Arabidopsis Mediator Complex Subunit 16 Is a Key Component of Basal Resistance against the Necrotrophic Fungal Pathogen <i>Sclerotinia sclerotiorum</i> . <i>Plant Physiology</i> , 2015, 169, 856-872.	2.3	64
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8023	Remobilization of Phytol from Chlorophyll Degradation Is Essential for Tocopherol Synthesis and Growth of Arabidopsis. <i>Plant Cell</i> , 2015, 27, tpc.15.00395.	3.1	122
8024	The <i>Jatropha curcas</i> <i>KASIII</i> gene alters fatty acid composition of seeds in Arabidopsis thaliana. <i>Biologia Plantarum</i> , 2015, 59, 773-782.	1.9	12
8025	The translesion polymerase η has roles dependent and independent of the nuclease <i>MUS81</i> and the helicase <i>RECQ4A</i> in DNA damage repair in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, pp.00806.2015.	2.3	13

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8027	Enhanced somatic embryogenesis in <i>Theobroma cacao</i> using the homologous BABY BOOM transcription factor. <i>BMC Plant Biology</i> , 2015, 15, 121.	1.6	123
8028	CaLEA 73 gene from <i>Capsicum annuum</i>L. enhances drought and osmotic tolerance modulating transpiration rate in transgenic<i>Arabidopsis thaliana</i>. <i>Canadian Journal of Plant Science</i> , 2015, 95, 227-235.	0.3	9
8029	Isolation and characterization of a subgroup IIa WRKY transcription factor PtrWRKY40 from<i>Populus trichocarpa</i>. <i>Tree Physiology</i> , 2015, 35, 1129-1139.	1.4	55
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8031	Improvement of copper tolerance of <i>Arabidopsis</i> by transgenic expression of an allene oxide cyclase gene, GhAOC1, in upland cotton (<i>Gossypium hirsutum</i> L.). <i>Crop Journal</i> , 2015, 3, 343-352.	2.3	9
8032	Promoters of<i>AaGL2</i>and<i>AaMIXTA-Like1</i>genes of<i>Artemisia annua</i>direct reporter gene expression in glandular and non-glandular trichomes. <i>Plant Signaling and Behavior</i> , 2015, 10, e1087629.	1.2	11
8033	<i>Populus euphratica</i> APYRASE2 Enhances Cold Tolerance by Modulating Vesicular Trafficking and Extracellular ATP in <i>Arabidopsis</i> Plants. <i>Plant Physiology</i> , 2015, 169, 530-548.	2.3	80
8034	Calcineurin B-like 3 calcium sensor associates with and inhibits 5â€²-methylthioadenosine nucleosidase 2 in <i>Arabidopsis</i> . <i>Plant Science</i> , 2015, 238, 228-240.	1.7	14
8035	RNA silencing of exocyst genes in the stigma impairs the acceptance of compatible pollen in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, pp.00635.2015.	2.3	52
8036	The <i>Arabidopsis thaliana</i> NGATHA transcription factors negatively regulate cell proliferation of lateral organs. <i>Plant Molecular Biology</i> , 2015, 89, 529-538.	2.0	47
8037	Intercellular communication in <i>Arabidopsis thaliana</i> pollen discovered via AHG3 transcript movement from the vegetative cell to sperm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13378-13383.	3.3	21
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8039	Enhancement of Thiamin Content in<i>Arabidopsis thaliana</i>by Metabolic Engineering. <i>Plant and Cell Physiology</i> , 2015, 56, 2285-2296.	1.5	56
8040	SENESCENCE-SUPPRESSED PROTEIN PHOSPHATASE Directly Interacts with the Cytoplasmic Domain of SENESCENCE-ASSOCIATED RECEPTOR-LIKE KINASE and Negatively Regulates Leaf Senescence in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, 1275-1291.	2.3	51
8041	FLOWERING LOCUS T has higher protein mobility than TWIN SISTER OF FT. <i>Journal of Experimental Botany</i> , 2015, 66, 6109-6117.	2.4	22
8042	CELLULOSE SYNTHASE INTERACTIVE1 Is Required for Fast Recycling of Cellulose Synthase Complexes to the Plasma Membrane in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, tpc.15.00442.	3.1	57
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8046	Repression of lateral organ boundary genes by PENNYWISE and POUND-FOOLISH is essential for meristem maintenance and flowering in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2015, 169, pp.00915.2015.	2.3	60
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8060	The Responses of <i>Arabidopsis</i> Early Light-Induced Protein2 to Ultraviolet B, High Light, and Cold Stress Are Regulated by a Transcriptional Regulatory Unit Composed of Two Elements. <i>Plant Physiology</i> , 2015, 169, 840-855.	2.3	54
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8063	Overexpression of receptor-like kinase ERECTA improves thermotolerance in rice and tomato. <i>Nature Biotechnology</i> , 2015, 33, 996-1003.	9.4	171
8064	The Identification of Maize and Arabidopsis Type I FLAVONE SYNTHASEs Links Flavones with Hormones and Biotic Interactions. <i>Plant Physiology</i> , 2015, 169, 1090-1107.	2.3	87
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8071	The <i>Arabidopsis</i> RING Domain Protein BOI Inhibits Flowering via CO-dependent and CO-independent Mechanisms. <i>Molecular Plant</i> , 2015, 8, 1725-1736.	3.9	23
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8076	Calpain-Mediated Positional Information Directs Cell Wall Orientation to Sustain Plant Stem Cell Activity, Growth and Development. <i>Plant and Cell Physiology</i> , 2015, 56, 1855-1866.	1.5	20
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8078	Characterization of a spermidine hydroxycinnamoyltransferase in <i>Malus domestica</i> highlights the evolutionary conservation of trihydroxycinnamoyl spermidines in pollen coat of core Eudicotyledons. <i>Journal of Experimental Botany</i> , 2015, 66, 7271-7285.	2.4	62
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8082	Direct Recording of Trans-Plasma Membrane Electron Currents Mediated by a Member of the Cytochrome <i>b</i> 561 Family of Soybean. <i>Plant Physiology</i> , 2015, 169, 986-995.	2.3	21
8083	Axial and radial oxylipin transport. <i>Plant Physiology</i> , 2015, 169, pp.01104.2015.	2.3	61
8084	Thioredoxin f1 and NADPH-dependent thioredoxin reductase C have overlapping functions in regulating photosynthetic metabolism and plant growth in response to varying light conditions. <i>Plant Physiology</i> , 2015, 169, pp.01122.2015.	2.3	75
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8094	ESCRT-III-Associated Protein ALIX Mediates High-Affinity Phosphate Transporter Trafficking to Maintain Phosphate Homeostasis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 2560-2581.	3.1	81
8095	<i>Vitis vinifera</i> VWRKY13 is an ethylene biosynthesis-related transcription factor. <i>Plant Cell Reports</i> , 2015, 34, 1593-1603.	2.8	12
8096	<i>HANABA TARANU</i> regulates the shoot apical meristem and leaf development in cucumber (<i>Cucumis sativus</i> L.). <i>Journal of Experimental Botany</i> , 2015, 66, 7075-7087.	2.4	41
8097	UDP-d-galactose synthesis by UDP-glucose 4-epimerase 4 is required for organization of the trans-Golgi network/early endosome in <i>Arabidopsis thaliana</i> root epidermal cells. <i>Journal of Plant Research</i> , 2015, 128, 863-873.	1.2	12

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8099	Horizontal DNA transfer from bacteria to eukaryotes and a lesson from experimental transfers. <i>Research in Microbiology</i> , 2015, 166, 753-763.	1.0	10
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8101	Co-treatment with surfactant and sonication significantly improves <i>Agrobacterium</i> -mediated resistant bud formation and transient expression efficiency in soybean. <i>Journal of Integrative Agriculture</i> , 2015, 14, 1242-1250.	1.7	18
8102	Transcriptional regulation of PIN genes by FOUR LIPS and MYB88 during <i>Arabidopsis</i> root gravitropism. <i>Nature Communications</i> , 2015, 6, 8822.	5.8	74
8103	Overexpression of NnDREB2, isolated from lotus improves salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	5
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8105	Expression analysis of two rice pollen-specific promoters using homologous and heterologous systems. <i>Plant Biotechnology Reports</i> , 2015, 9, 297-306.	0.9	5
8106	Overexpression of <i>Crocus</i> carotenoid cleavage dioxygenase, CsCCD4b, in <i>Arabidopsis</i> imparts tolerance to dehydration, salt and oxidative stresses by modulating ROS machinery. <i>Journal of Plant Physiology</i> , 2015, 189, 114-125.	1.6	33
8107	Identification and characterization of the CONSTANS-like gene family in the short-day plant <i>Chrysanthemum lavandulifolium</i> . <i>Molecular Genetics and Genomics</i> , 2015, 290, 1039-1054.	1.0	42
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8110	Molecular cloning and functional analysis of the <i>FLOWERING LOCUS T</i> (<i>FT</i>) homolog <i>GhFT1</i> from <i>Gossypium hirsutum</i>. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 522-533.	4.1	45
8111	The Major Facilitator Superfamily Transporter ZIFL2 Modulates Cesium and Potassium Homeostasis in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 148-162.	1.5	50
8112	Identification and functional characterization of the <sc>A</sc> <i>Arabidopsis</i>...<sc>Snf</sc>-related protein kinase <sc>SnRK</sc>2.4 phosphatidic acid-binding domain. <i>Plant, Cell and Environment</i> , 2015, 38, 614-624.	2.8	47
8113	Genomic organization, differential expression, and functional analysis of the SPL gene family in <i>Gossypium hirsutum</i> . <i>Molecular Genetics and Genomics</i> , 2015, 290, 115-126.	1.0	43
8114	Membrane-associated proteomics of chickpea identifies Sad1/UNC-84 protein (CaSUN1), a novel component of dehydration signaling. <i>Scientific Reports</i> , 2014, 4, 4177.	1.6	29
8115	BEL1-LIKE HOMEODOMAIN6 and KNOTTED ARABIDOPSIS THALIANA7 Interact and Regulate Secondary Cell Wall Formation via Repression of <i>REVOLUTA</i> Â Â. <i>Plant Cell</i> , 2015, 26, 4843-4861.	3.1	124

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8117	Plant Transformation via Pollen Tube-Mediated Gene Transfer. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 742-747.	1.0	21
8118	Isolation and characterization of an ubiquitin extension protein gene (JcUEP) promoter from <i>Jatropha curcas</i> . <i>Planta</i> , 2015, 241, 823-836.	1.6	28
8119	An improved toolbox to unravel the plant cellular machinery by tandem affinity purification of <i>Arabidopsis</i> protein complexes. <i>Nature Protocols</i> , 2015, 10, 169-187.	5.5	160
8120	A GCC-box motif in the promoter of nudix hydrolase 7 (AtNUDT7) gene plays a role in ozone response of <i>Arabidopsis</i> ecotypes. <i>Genomics</i> , 2015, 105, 31-38.	1.3	8
8121	Identification and expression of a stearyl-ACP desaturase gene responsible for oleic acid accumulation in <i>Xanthoceras sorbifolia</i> seeds. <i>Plant Physiology and Biochemistry</i> , 2015, 87, 9-16.	2.8	26
8122	Soybean <i>DREB1/CBF</i> type transcription factors function in heat and drought as well as cold stress-responsive gene expression. <i>Plant Journal</i> , 2015, 81, 505-518.	2.8	255
8123	Stress signaling in response to polycyclic aromatic hydrocarbon exposure in <i>Arabidopsis thaliana</i> involves a nucleoside diphosphate kinase, NDPK-3. <i>Planta</i> , 2015, 241, 95-107.	1.6	33
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8127	Ectopic expression of a <i>Catalpa bungei</i> (Bignoniaceae) PISTILLATA homologue rescues the petal and stamen identities in <i>Arabidopsis pi-1</i> mutant. <i>Plant Science</i> , 2015, 231, 40-51.	1.7	34
8128	Structural and functional analysis of an asymmetric bidirectional promoter in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2015, 57, 162-170.	4.1	12
8129	Histone deacetylation modification participates in the repression of peanut (<i>Arachis hypogaea</i>) Tj ETQq1 1 0,784314 rgBT /Over	1.8	8
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8131	Overexpression of wheat NF-YA10 gene regulates the salinity stress response in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 86, 34-43.	2.8	57
8132	Conservation of <i>MscS</i> function during spore and pollen wall development supports an evolutionarily early recruitment of a core component in the sporopollenin biosynthetic pathway. <i>New Phytologist</i> , 2015, 205, 390-401.	3.5	42
8133	A landscape of hairy and twisted: hunting for new trichome mutants in the <i>Saskatoon</i> <i>Arabidopsis</i> DNA population. <i>Plant Biology</i> , 2015, 17, 384-394.	1.8	7

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8135	Cyclic nucleotide gated channel 10 negatively regulates salt tolerance by mediating Na ⁺ transport in Arabidopsis. <i>Journal of Plant Research</i> , 2015, 128, 211-220.	1.2	70
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8226	Overexpression of an Orchid (<i>Dendrobium nobile</i>) SOC1/TM3-Like Ortholog, DnAGL19, in <i>Arabidopsis</i> Regulates HOS1-FT Expression. <i>Frontiers in Plant Science</i> , 2016, 7, 99.	1.7	21
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8251	Characterization and Expression Analysis of PtAGL24, a SHORT VEGETATIVE PHASE/AGAMOUS-LIKE 24 (SVP/AGL24)-Type MADS-Box Gene from Trifoliate Orange (<i>Poncirus trifoliata</i> L. Raf.). <i>Frontiers in Plant Science</i> , 2016, 7, 823.	1.7	13
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8264	Expression of the Grape VqSTS21 Gene in Arabidopsis Confers Resistance to Osmotic Stress and Biotrophic Pathogens but Not <i>Botrytis cinerea</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1379.	1.7	23
8265	The Woody-Preferential Gene EgMYB88 Regulates the Biosynthesis of Phenylpropanoid-Derived Compounds in Wood. <i>Frontiers in Plant Science</i> , 2016, 7, 1422.	1.7	20
8266	Leaf-Like Sepals Induced by Ectopic Expression of a SHORT VEGETATIVE PHASE (SVP)-Like MADS-Box Gene from the Basal Eudicot <i>Epimedium sagittatum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1461.	1.7	12
8267	Overexpression of a Barley Aquaporin Gene, HvPIP2;5 Confers Salt and Osmotic Stress Tolerance in Yeast and Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 1566.	1.7	63
8268	Overexpression of Nictaba-Like Lectin Genes from <i>Glycine max</i> Confers Tolerance toward <i>Pseudomonas syringae</i> Infection, Aphid Infestation and Salt Stress in Transgenic Arabidopsis Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 1590.	1.7	27
8269	An S-adenosyl Methionine Synthetase (SAMS) Gene from <i>Andropogon virginicus</i> L. Confers Aluminum Stress Tolerance and Facilitates Epigenetic Gene Regulation in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2016, 7, 1627.	1.7	30
8270	CHLH/GUN5 Function in Tetrapyrrole Metabolism Is Correlated with Plastid Signaling but not ABA Responses in Guard Cells. <i>Frontiers in Plant Science</i> , 2016, 7, 1650.	1.7	21
8271	Cucumber (<i>Cucumis sativus</i> L.) Nitric Oxide Synthase Associated Gene1 (CsNOA1) Plays a Role in Chilling Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 1652.	1.7	22
8272	Rapid Evolution of Manifold CRISPR Systems for Plant Genome Editing. <i>Frontiers in Plant Science</i> , 2016, 7, 1683.	1.7	73
8273	Apple F-Box Protein MdMAX2 Regulates Plant Photomorphogenesis and Stress Response. <i>Frontiers in Plant Science</i> , 2016, 7, 1685.	1.7	41
8274	Overexpression of a <i>Hevea brasiliensis</i> ErbB-3 Binding protein 1 Gene Increases Drought Tolerance and Organ Size in Arabidopsis. <i>Frontiers in Plant Science</i> , 2016, 7, 1703.	1.7	19
8275	A Non-specific <i>Setaria italica</i> Lipid Transfer Protein Gene Plays a Critical Role under Abiotic Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 1752.	1.7	54
8276	Overexpression of TaNAC2D Displays Opposite Responses to Abiotic Stresses between Seedling and Mature Stage of Transgenic Arabidopsis. <i>Frontiers in Plant Science</i> , 2016, 7, 1754.	1.7	24
8277	Molecular Cloning, Characterization, and Expression of MiSOC1: A Homolog of the Flowering Gene SUPPRESSOR OF OVEREXPRESSION OF CONSTANS1 from Mango (<i>Mangifera indica</i> L). <i>Frontiers in Plant Science</i> , 2016, 7, 1758.	1.7	26

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8279	Impairment of Sulfite Reductase Decreases Oxidative Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1843.	1.7	25
8280	Nonsense Mutation Inside Anthocyanidin Synthase Gene Controls Pigmentation in Yellow Raspberry (<i>Rubus idaeus</i> L.). <i>Frontiers in Plant Science</i> , 2016, 7, 1892.	1.7	34
8281	Targeting the AtCWIN1 Gene to Explore the Role of Invertases in Sucrose Transport in Roots and during <i>Botrytis cinerea</i> Infection. <i>Frontiers in Plant Science</i> , 2016, 7, 1899.	1.7	57
8282	<i>Arabidopsis</i> Myosins XI1, XI2, and XIK Are Crucial for Gravity-Induced Bending of Inflorescence Stems. <i>Frontiers in Plant Science</i> , 2016, 7, 1932.	1.7	25
8283	Peroxidase-Generated Apoplastic ROS Impair Cuticle Integrity and Contribute to DAMP-Elicited Defenses. <i>Frontiers in Plant Science</i> , 2016, 7, 1945.	1.7	57
8284	OsSGL, a Novel DUF1645 Domain-Containing Protein, Confers Enhanced Drought Tolerance in Transgenic Rice and <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 2001.	1.7	46
8285	Identification of Plastoglobules as a Site of Carotenoid Cleavage. <i>Frontiers in Plant Science</i> , 2016, 7, 1855.	1.7	38
8286	Enhanced cuticle accumulation by employing MIXTA-like transcription factors. <i>Plant Biotechnology</i> , 2016, 33, 161-168.	0.5	7
8287	Science Behind Cotton Transformation. , 2016, , .		1
8288	COP1 is required for UV-B-induced nuclear accumulation of the UVR8 photoreceptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4415-22.	3.3	119
8289	Overexpression of <i>INCREASED CAMBIAL ACTIVITY</i> , a putative methyltransferase, increases cambial activity and plant growth. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 874-889.	4.1	5
8290	Regulation of anthocyanin and proanthocyanidin biosynthesis by <i>Medicago truncatula</i> HLH transcription factor <i>MtTT8</i> . <i>New Phytologist</i> , 2016, 210, 905-921.	3.5	136
8291	PIN6 auxin transporter at endoplasmic reticulum and plasma membrane mediates auxin homeostasis and organogenesis in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2016, 211, 65-74.	3.5	119
8292	The stripe rust fungal effector <i>PEC6</i> suppresses pattern-triggered immunity in a host species-independent manner and interacts with adenosine kinases. <i>New Phytologist</i> , 2016, , .	3.5	60
8293	Control of floral transition in the bioenergy crop switchgrass. <i>Plant, Cell and Environment</i> , 2016, 39, 2158-2171.	2.8	29
8294	Transgenesis of <i>Agrobacterium rhizogenes</i> K599 orf3 into plant alters plant phenotype to dwarf and branch. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 207-215.	1.2	6
8295	Canola engineered with a microalgal polyketide synthase-like system produces oil enriched in docosahexaenoic acid. <i>Nature Biotechnology</i> , 2016, 34, 881-887.	9.4	101

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8296	Ectopic Expression of <i>BnaC.CP20.1</i> Results in Premature Tapetal Programmed Cell Death in Arabidopsis. <i>Plant and Cell Physiology</i> , 2016, 57, 1972-1984.	1.5	22
8297	The PHD Finger Protein MMD1/DUET Ensures the Progression of Male Meiotic Chromosome Condensation and Directly Regulates the Expression of the Condensin Gene <i>CAP-D3</i> . <i>Plant Cell</i> , 2016, 28, 1894-1909.	3.1	46
8298	<i>UDP-glycosyltransferase 72B1</i> catalyzes the glucose conjugation of monolignols and is essential for the normal cell wall lignification in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 88, 26-42.	2.8	108
8299	<i>IRE1</i> , a component of the unfolded protein response signaling pathway, protects pollen development in Arabidopsis from heat stress. <i>Plant Journal</i> , 2016, 88, 193-204.	2.8	113
8300	ANAC032 Positively Regulates Age-Dependent and Stress-Induced Senescence in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 2029-2046.	1.5	70
8301	Defects in Peroxisomal 6-Phosphogluconate Dehydrogenase Isoform <i>PGD2</i> Prevent Gametophytic Interaction in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2016, 171, 192-205.	2.3	66
8302	The <i>Arabidopsis</i> <i>CROWDED NUCLEI</i> genes regulate seed germination by modulating degradation of ABI5 protein. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 669-678.	4.1	41
8303	The cytochrome <i>c</i> oxidase biogenesis factor <i>AtCOX17</i> modulates stress responses in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 628-644.	2.8	32
8304	Molecular and biochemical characterizations of the monoacylglycerol lipase gene family of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 85, 758-771.	2.8	49
8305	A <i>Glycine soja</i> methionine sulfoxide reductase B5a interacts with the Ca^{2+} /CAM-binding kinase <i>GsCBRLK</i> and activates <i>ROS</i> signaling under carbonate alkaline stress. <i>Plant Journal</i> , 2016, 86, 514-529.	2.8	48
8306	Fast neutron-induced structural rearrangements at a soybean <i>NAP1</i> locus result in gnarled trichomes. <i>Theoretical and Applied Genetics</i> , 2016, 129, 1725-1738.	1.8	35
8307	Role of rice cytosolic hexokinase <i>OsHXK7</i> in sugar signaling and metabolism. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 127-135.	4.1	38
8308	DELLA proteins interact with FLC to repress flowering transition. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 642-655.	4.1	68
8309	Expression of the inactive <i>ZmMEK1</i> induces salicylic acid accumulation and salicylic acid-dependent leaf senescence. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 724-736.	4.1	33
8310	SHORT HYPOCOTYL UNDER BLUE 1 or HAIKU 2 mixexpression alters canola and Arabidopsis seed development. <i>New Phytologist</i> , 2016, 209, 636-649.	3.5	15
8311	Silencing of the gibberellin receptor homolog, <i>CsGID1a</i> , affects locule formation in cucumber (<i>Cucumis sativus</i>) fruit. <i>New Phytologist</i> , 2016, 210, 551-563.	3.5	27
8312	Three <i>FLOWERING LOCUS T</i> -like genes function as potential florigens and mediate photoperiod response in sorghum. <i>New Phytologist</i> , 2016, 210, 946-959.	3.5	59
8313	Mitochondrial gamma carbonic anhydrases are required for complex <i>I</i> assembly and plant reproductive development. <i>New Phytologist</i> , 2016, 211, 194-207.	3.5	67

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8314	Rice PROTEIN <scp> </scp>â€SOASPARTYL METHYLTRANSFERASE isoforms differentially accumulate during seed maturation to restrict deleterious isoAsp and reactive oxygen species accumulation and are implicated in seed vigor and longevity. <i>New Phytologist</i> , 2016, 211, 627-645.	3.5	63
8315	An <i>Arabidopsis</i> mutant of inositol pentakisphosphate 2â€kinase <i>AtIPK1</i> displays reduced arsenate tolerance. <i>Plant, Cell and Environment</i> , 2016, 39, 416-426.	2.8	6
8316	Ribosomal P3 protein AtP3B of <i>Arabidopsis</i> acts as both protein and RNA chaperone to increase tolerance of heat and cold stresses. <i>Plant, Cell and Environment</i> , 2016, 39, 1631-1642.	2.8	23
8317	Analysis of <i>gemini pollen 3</i> mutant suggests a broad function of <scp>AUGMIN</scp> in microtubule organization during sexual reproduction in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2016, 87, 188-201.	2.8	18
8318	Expression of a repressor form of the <i>Arabidopsis thaliana</i> transcription factor TCP16 induces the formation of ectopic meristems. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 57-62.	2.8	13
8319	METACASPASE9 modulates autophagy to confine cell death to the target cells during <i>Arabidopsis</i> vascular xylem differentiation. <i>Biology Open</i> , 2016, 5, 122-129.	0.6	56
8320	A Putative Chloroplast Thylakoid Metalloprotease VIRESCENT3 Regulates Chloroplast Development in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 3319-3332.	1.6	23
8321	AtKC1 and CIPK23 Synergistically Modulate AKT1-Mediated Low-Potassium Stress Responses in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 170, 2264-2277.	2.3	96
8322	Genome-Wide Mapping of Targets of Maize Histone Deacetylase HDA101 Reveals Its Function and Regulatory Mechanism during Seed Development. <i>Plant Cell</i> , 2016, 28, 629-645.	3.1	49
8323	Natural variation of H3K27me3 modification in two <i>Arabidopsis</i> accessions and their hybrid. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 466-474.	4.1	17
8324	An aquaporin Pv<scp>TIP</scp>4;1 from <i>Pteris vittata</i> may mediate arsenite uptake. <i>New Phytologist</i> , 2016, 209, 746-761.	3.5	102
8325	The anaphaseâ€promoting complex initiates zygote division in <i>Arabidopsis</i> through degradation of cyclin B1. <i>Plant Journal</i> , 2016, 86, 161-174.	2.8	46
8326	S-Acylation of the cellulose synthase complex is essential for its plasma membrane localization. <i>Science</i> , 2016, 353, 166-169.	6.0	75
8327	Suppressing Farnesyl Diphosphate Synthase Alters Chloroplast Development and Triggers Sterol-Dependent Induction of Jasmonate- and Fe-Related Responses. <i>Plant Physiology</i> , 2016, 172, 93-117.	2.3	32
8328	Overâ€expression of fHbp in <i>Arabidopsis</i> for development of meningococcal serogroup B subunit vaccine. <i>Biotechnology Journal</i> , 2016, 11, 973-980.	1.8	3
8329	A simple, flexible and highâ€throughput cloning system for plant genome editing via CRISPRâ€Cas system. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 705-712.	4.1	61
8330	Nucleocytoplasmic trafficking is essential for <scp>BAK</scp>1â€and <scp>BKK</scp>1â€mediated cellâ€death control. <i>Plant Journal</i> , 2016, 85, 520-531.	2.8	45
8331	<i>Arabidopsis</i> miR827 mediates postâ€transcriptional gene silencing of its ubiquitin E3 ligase target gene in the syncytium of the cyst nematode <i>Heterodera schachtii</i> to enhance susceptibility. <i>Plant Journal</i> , 2016, 88, 179-192.	2.8	65

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8332	TOPOISOMERASE1± Acts through Two Distinct Mechanisms to Regulate Stele and Columella Stem Cell Maintenance. <i>Plant Physiology</i> , 2016, 171, 483-493.	2.3	20
8333	The Histone Deacetylase Complex 1 Protein of Arabidopsis Has the Capacity to Interact with Multiple Proteins Including Histone 3-Binding Proteins and Histone 1 Variants. <i>Plant Physiology</i> , 2016, 171, 62-70.	2.3	26
8334	Long-Distance Transport of Thiamine (Vitamin B1) Is Concomitant with That of Polyamines Â. <i>Plant Physiology</i> , 2016, 171, 542-553.	2.3	42
8335	The bZIP protein VIP1 is involved in touch responses in Arabidopsis roots. <i>Plant Physiology</i> , 2016, 171, pp.00256.2016.	2.3	39
8336	A cyst nematode effector binds to diverse plant proteins, increases nematode susceptibility and affects root morphology. <i>Molecular Plant Pathology</i> , 2016, 17, 832-844.	2.0	32
8337	Two-ligand priming mechanism for potentiated phosphoinositide synthesis is an evolutionarily conserved feature of Sec14-like phosphatidylinositol and phosphatidylcholine exchange proteins. <i>Molecular Biology of the Cell</i> , 2016, 27, 2317-2330.	0.9	24
8338	Arabidopsis <sc>CLAVATA</sc>1 and <sc>CLAVATA</sc>2 receptors contribute toÂ <i>Ralstonia solanacearum</i> </i> pathogenicity through a miR169â€dependent pathway. <i>New Phytologist</i> , 2016, 211, 502-515.	3.5	74
8339	An ancient and conserved function for Armadilloâ€related proteins in the control of spore and seed germination by abscisic acid. <i>New Phytologist</i> , 2016, 211, 940-951.	3.5	21
8340	Viral protein suppresses oxidative burst and salicylic acidâ€dependent autophagy and facilitates bacterial growth on virusâ€infected plants. <i>New Phytologist</i> , 2016, 211, 1020-1034.	3.5	92
8341	Evolutionarily distant pathogens require the <i>Arabidopsis</i> phytosulfokine signalling pathway to establish disease. <i>Plant, Cell and Environment</i> , 2016, 39, 1396-1407.	2.8	34
8342	Expression of <i>Escherichia coli</i> glycogen branching enzyme in an <i>Arabidopsis</i> mutant devoid of endogenous starch branching enzymes induces the synthesis of starchâ€like polyglucans. <i>Plant, Cell and Environment</i> , 2016, 39, 1432-1447.	2.8	15
8343	Microarray and genetic analysis reveals that csaâ€miR159b plays a critical role in abscisic acidâ€mediated heat tolerance in grafted cucumber plants. <i>Plant, Cell and Environment</i> , 2016, 39, 1790-1804.	2.8	52
8344	Spikeâ€dip transformation of <i>Setaria viridis</i>. <i>Plant Journal</i> , 2016, 86, 89-101.	2.8	54
8345	Photoperiodic and thermosensory pathways interact through <sc>CONSTANS</sc> to promote flowering at high temperature under short days. <i>Plant Journal</i> , 2016, 86, 426-440.	2.8	100
8346	A repressor motif-containing poplar R3 MYB-like transcription factor regulates epidermal cell fate determination and anthocyanin biosynthesis in Arabidopsis. <i>Journal of Plant Biology</i> , 2016, 59, 525-535.	0.9	17
8347	Ectopic expression of R3 MYB transcription factor gene OsTCL1 in Arabidopsis, but not rice, affects trichome and root hair formation. <i>Scientific Reports</i> , 2016, 6, 19254.	1.6	42
8348	Expression of a Grapevine NAC Transcription Factor Gene Is Induced in Response to Powdery Mildew Colonization in Salicylic Acid-Independent Manner. <i>Scientific Reports</i> , 2016, 6, 30825.	1.6	32
8349	A Ramie bZIP Transcription Factor <i>BnbZIP2</i> Is Involved in Drought, Salt, and Heavy Metal Stress Response. <i>DNA and Cell Biology</i> , 2016, 35, 776-786.	0.9	33

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8350	Phosphorylation of ARF2 Relieves Its Repression of Transcription of the K ⁺ Transporter Gene <i>HAK5</i> in Response to Low Potassium Stress. <i>Plant Cell</i> , 2016, 28, 3005-3019.	3.1	155
8351	AtSWEET4, a hexose facilitator, mediates sugar transport to axial sinks and affects plant development. <i>Scientific Reports</i> , 2016, 6, 24563.	1.6	81
8352	A novel mutant allele of SSI2 confers a better balance between disease resistance and plant growth inhibition on <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2016, 16, 208.	1.6	21
8353	AtOPR3 specifically inhibits primary root growth in <i>Arabidopsis</i> under phosphate deficiency. <i>Scientific Reports</i> , 2016, 6, 24778.	1.6	40
8354	Conservation of the role of INNER NO OUTER in development of unitegmic ovules of the Solanaceae despite a divergence in protein function. <i>BMC Plant Biology</i> , 2016, 16, 143.	1.6	27
8355	A novel role for STOMATAL CARPENTER 1 in stomata patterning. <i>BMC Plant Biology</i> , 2016, 16, 172.	1.6	13
8356	Wheat CBL-interacting protein kinase 25 negatively regulates salt tolerance in transgenic wheat. <i>Scientific Reports</i> , 2016, 6, 28884.	1.6	30
8357	Identification and functional expression of the pepper RING type E3 ligase, CaDTR1, involved in drought stress tolerance via ABA-mediated signalling. <i>Scientific Reports</i> , 2016, 6, 30097.	1.6	16
8358	Modification of the fatty acid composition in <i>Arabidopsis</i> and maize seeds using a stearyl-acyl carrier protein desaturase-1 (<i>ZmSAD1</i>) gene. <i>BMC Plant Biology</i> , 2016, 16, 137.	1.6	37
8359	A thaumatin-like protein of <i>Ocimum basilicum</i> confers tolerance to fungal pathogen and abiotic stress in transgenic <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2016, 6, 25340.	1.6	138
8360	Functional analysis of alternative splicing of the FLOWERING LOCUS T orthologous gene in <i>Chrysanthemum morifolium</i> . <i>Horticulture Research</i> , 2016, 3, 16058.	2.9	27
8361	Wheat methionine sulfoxide reductase genes and their response to abiotic stress. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	6
8362	Altered levels of AtHSCB disrupts iron translocation from roots to shoots. <i>Plant Molecular Biology</i> , 2016, 92, 613-628.	2.0	14
8363	Evidence for a non-overlapping subcellular localization of the family I isoforms of soluble inorganic pyrophosphatase in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2016, 253, 229-242.	1.7	12
8364	High serine:glyoxylate aminotransferase activity lowers leaf daytime serine levels, inducing the phosphoserine pathway in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2017, 68, erw467.	2.4	37
8365	RALFL34 regulates formative cell divisions in <i>Arabidopsis</i> pericycle during lateral root initiation. <i>Journal of Experimental Botany</i> , 2016, 67, 4863-4875.	2.4	66
8366	Chickpea transcription factor CaTLP1 interacts with protein kinases, modulates ROS accumulation and promotes ABA-mediated stomatal closure. <i>Scientific Reports</i> , 2016, 6, 38121.	1.6	19
8367	Overexpression of <i>AtERF019</i> delays plant growth and senescence and improves drought tolerance in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2017, 68, erw429.	2.4	61

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8368	The Role of Cytokinin During Infection of <i>Arabidopsis thaliana</i> by the Cyst Nematode <i>Heterodera schachtii</i> . <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 57-68.	1.4	44
8369	Production of Phloroglucinol, a Platform Chemical, in <i>Arabidopsis</i> using a Bacterial Gene. <i>Scientific Reports</i> , 2016, 6, 38483.	1.6	17
8370	<i>Arabidopsis</i> PRC1 core component AtRING1 regulates stem cell-determining carpel development mainly through repression of class I KNOX genes. <i>BMC Biology</i> , 2016, 14, 112.	1.7	30
8371	WDRP, a DWD protein component of CUL4-based E3 ligases, acts as a receptor of CDPK-related protein kinase 5 to mediate kinase degradation in <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2016, 59, 627-638.	0.9	2
8372	Proteomic comparison reveals the contribution of chloroplast to salt tolerance of a wheat introgression line. <i>Scientific Reports</i> , 2016, 6, 32384.	1.6	18
8373	Contributions of two cytosolic glutamine synthetase isozymes to ammonium assimilation in <i>Arabidopsis</i> roots. <i>Journal of Experimental Botany</i> , 2017, 68, erw454.	2.4	49
8374	The promoter of fatty acid desaturase on chromosome C5 in <i>Brassica napus</i> drives high-level expression in seeds. <i>Plant Biotechnology Reports</i> , 2016, 10, 369-381.	0.9	3
8375	Mechanism of internal browning of pineapple: The role of gibberellins catabolism gene (<i>AcGA2ox</i>) and GAs. <i>Scientific Reports</i> , 2016, 6, 33344.	1.6	31
8376	Differential Cellular Control by Cotyledon-Derived Phytohormones Involved in Graft Reunion of <i>Arabidopsis</i> Hypocotyls. <i>Plant and Cell Physiology</i> , 2016, 57, 2620-2631.	1.5	72
8377	Overexpression of spinach non-symbiotic hemoglobin in <i>Arabidopsis</i> resulted in decreased NO content and lowered nitrate and other abiotic stresses tolerance. <i>Scientific Reports</i> , 2016, 6, 26400.	1.6	32
8378	Differences in LEA-like 11-24 gene expression in desiccation tolerant and sensitive species of Linderniaceae are due to variations in gene promoter sequences. <i>Functional Plant Biology</i> , 2016, 43, 695.	1.1	2
8379	<i>Arabidopsis</i> GPAT9 contributes to synthesis of intracellular glycerolipids but not surface lipids. <i>Journal of Experimental Botany</i> , 2016, 67, 4627-4638.	2.4	89
8380	Wortmannin-induced vacuole fusion enhances amyloplast dynamics in <i>Arabidopsis zigzag1</i> hypocotyls. <i>Journal of Experimental Botany</i> , 2016, 67, 6459-6472.	2.4	18
8381	A specific dsRNA-binding protein complex selectively sequesters endogenous inverted-repeat siRNA precursors and inhibits their processing. <i>Nucleic Acids Research</i> , 2017, 45, gkw1264.	6.5	17
8382	The histone deubiquitinase OTLD1 targets euchromatin to regulate plant growth. <i>Science Signaling</i> , 2016, 9, ra125.	1.6	17
8383	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. <i>Nature Communications</i> , 2016, 7, 11654.	5.8	122
8384	SLAH1, a homologue of the slow type anion channel SLAC1, modulates shoot Cl ⁻ accumulation and salt tolerance in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 4495-4505.	2.4	70
8385	Expression and Functional Analysis of a Novel Group of Legume-specific WRKY and Exo70 Protein Variants from Soybean. <i>Scientific Reports</i> , 2016, 6, 32090.	1.6	20

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8386	WSA206, a paralog of duplicated MPF2-like MADS-box family is recruited in fertility function in <i>Withania</i> . <i>Plant Science</i> , 2016, 253, 215-228.	1.7	2
8387	The cell wall DUF642 At2g41800 (TEB) protein is involved in hypocotyl cell elongation. <i>Plant Science</i> , 2016, 253, 206-214.	1.7	15
8388	Comparison of full-length and conserved segments of wheat dehydrin DHN-5 overexpressed in <i>Arabidopsis thaliana</i> showed different responses to abiotic and biotic stress. <i>Functional Plant Biology</i> , 2016, 43, 1048.	1.1	15
8389	Ectopically expressed glutaredoxin ROXY19 negatively regulates the detoxification pathway in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2016, 16, 200.	1.6	30
8390	<i>Arabidopsis</i> SYT1 maintains stability of cortical endoplasmic reticulum networks and VAP27-1-enriched endoplasmic reticulum-plasma membrane contact sites. <i>Journal of Experimental Botany</i> , 2016, 67, 6161-6171.	2.4	84
8391	Phosphorylation of serine residue modulates cotton Di19-1 and Di19-2 activities for responding to high salinity stress and abscisic acid signaling. <i>Scientific Reports</i> , 2016, 6, 20371.	1.6	25
8392	Cytoskeleton dynamics control the first asymmetric cell division in <i>Arabidopsis</i> zygote. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14157-14162.	3.3	129
8393	CCX1, a Putative Cation/Ca ²⁺ Exchanger, Participates in Regulation of Reactive Oxygen Species Homeostasis and Leaf Senescence. <i>Plant and Cell Physiology</i> , 2016, 57, 2611-2619.	1.5	50
8394	Light affects salt stress-induced transcriptional memory of <i>P5CS1</i> in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8335-E8343.	3.3	125
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8397	Characterization of DWARF14 Genes in <i>Populus</i> . <i>Scientific Reports</i> , 2016, 6, 21593.	1.6	26
8399	Quantitative Imaging of FRET-Based Biosensors for Cell- and Organelle-Specific Analyses in Plants. <i>Microscopy and Microanalysis</i> , 2016, 22, 300-310.	0.2	11
8400	DELLA-mediated PIF degradation contributes to coordination of light and gibberellin signalling in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2016, 7, 11868.	5.8	172
8401	Isolation of <i>Persicaria minor</i> sesquiterpene synthase promoter and its deletions for transgenic <i>Arabidopsis thaliana</i> . <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
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8417	Arabidopsis MYB-Related HHO2 Exerts a Regulatory Influence on a Subset of Root Traits and Genes Governing Phosphate Homeostasis. <i>Plant and Cell Physiology</i> , 2016, 57, 1142-1152.	1.5	38
8418	Photosynthesis Activates Plasma Membrane H ⁺ -ATPase via Sugar Accumulation. <i>Plant Physiology</i> , 2016, 171, 580-589.	2.3	69
8419	Analysis of proliferation and survival of agrobacteria after inoculation of maize pistil filaments. <i>Microbiology</i> , 2016, 85, 87-92.	0.5	0
8420	The <i>Populus trichocarpa</i> PtHSP17.8 involved in heat and salt stress tolerances. <i>Plant Cell Reports</i> , 2016, 35, 1587-1599.	2.8	37
8421	The LEA protein, ABR, is regulated by ABI5 and involved in dark-induced leaf senescence in Arabidopsis thaliana. <i>Plant Science</i> , 2016, 247, 93-103.	1.7	58
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8442	<i>LATERAL BRANCHING OXIDOREDUCTASE</i> acts in the final stages of strigolactone biosynthesis in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6301-6306.	3.3	219
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8529	ORM Expression Alters Sphingolipid Homeostasis and Differentially Affects Ceramide Synthase Activities. <i>Plant Physiology</i> , 2016, 172, pp.00965.2016.	2.3	33
8530	Arogenate Dehydratase Isoforms Differentially Regulate Anthocyanin Biosynthesis in Arabidopsis thaliana. <i>Molecular Plant</i> , 2016, 9, 1609-1619.	3.9	55

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8531	Cloning and characterization of CaGID1s and CaGAI in <i>Capsicum annuum</i> L.. <i>Journal of Integrative Agriculture</i> , 2016, 15, 775-784.	1.7	4
8532	A stilbene synthase allele from a Chinese wild grapevine confers resistance to powdery mildew by recruiting salicylic acid signalling for efficient defence. <i>Journal of Experimental Botany</i> , 2016, 67, 5841-5856.	2.4	45
8533	The C3H-type zinc finger protein GDS1/C3H42 is a nuclear-speckle-localized protein that is essential for normal growth and development in <i>Arabidopsis</i> . <i>Plant Science</i> , 2016, 250, 141-153.	1.7	18
8534	Evolutionary and Functional Analysis of Membrane-Bound NAC Transcription Factor Genes in Soybean. <i>Plant Physiology</i> , 2016, 172, 1804-1820.	2.3	50
8535	An Improved Binary Vector and <i>Escherichia coli</i> Strain for <i>Agrobacterium tumefaciens</i> -Mediated Plant Transformation. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2195-2201.	0.8	7
8536	Overexpression of MeDREB1D confers tolerance to both drought and cold stresses in transgenic <i>Arabidopsis</i> . <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	7
8537	Transgenic <i>Arabidopsis thaliana</i> expressing fungal arsenic methyltransferase gene (WaarsM) showed enhanced arsenic tolerance via volatilization. <i>Environmental and Experimental Botany</i> , 2016, 132, 113-120.	2.0	25
8538	Molecular characterization of maize bHLH transcription factor (ZmKS), a new ZmOST1 kinase substrate. <i>Plant Science</i> , 2016, 253, 1-12.	1.7	3
8539	<i>Growing Slowly 1</i> locus encodes a PLS-type PPR protein required for RNA editing and plant development in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 5687-5698.	2.4	31
8540	DNA damage inhibits lateral root formation by up-regulating cytokinin biosynthesis genes in <i>Arabidopsis thaliana</i> . <i>Genes To Cells</i> , 2016, 21, 1195-1208.	0.5	11
8541	The <i>PSE1</i> gene modulates lead tolerance in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 4685-4695.	2.4	30
8542	<i>Arabidopsis</i> Root-Type Ferredoxin:NADP(H) Oxidoreductase 2 is Involved in Detoxification of Nitrite in Roots. <i>Plant and Cell Physiology</i> , 2016, 57, 2440-2450.	1.5	24
8543	A ramie (<i>Boehmeria nivea</i>) bZIP transcription factor BnbZIP3 positively regulates drought, salinity and heavy metal tolerance. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	26
8544	Overexpression of CHMP7 from rapeseed and <i>Arabidopsis</i> causes dwarfism and premature senescence in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2016, 204, 16-26.	1.6	14
8545	DAO1 catalyzes temporal and tissue-specific oxidative inactivation of auxin in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11010-11015.	3.3	119
8546	A Dominant Mutation in the HT1 Kinase Uncovers Roles of MAP Kinases and GHR1 in CO ₂ -Induced Stomatal Closure. <i>Plant Cell</i> , 2016, 28, 2493-2509.	3.1	89
8547	Novel constructs for efficient cloning of sRNA-encoding DNA and uniform silencing of plant genes employing artificial trans-acting small interfering RNA. <i>Plant Cell Reports</i> , 2016, 35, 2137-2150.	2.8	7
8548	<i>Arabidopsis thaliana</i> plants expressing Rift Valley fever virus antigens: Mice exhibit systemic immune responses as the result of oral administration of the transgenic plants. <i>Protein Expression and Purification</i> , 2016, 127, 61-67.	0.6	10

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8550	Rice OsPBL1 (ORYZA SATIVA ARABIDOPSIS PBS1-LIKE 1) enhanced defense of Arabidopsis against <i>Pseudomonas syringae</i> DC3000. <i>European Journal of Plant Pathology</i> , 2016, 146, 901-910.	0.8	21
8551	Subcellular location of Arabidopsis thaliana subfamily a1 Î²-galactosidases and developmental regulation of transcript levels of their coding genes. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 137-145.	2.8	11
8552	Spatial Regulation of ABCG25, an ABA Exporter, Is an Important Component of the Mechanism Controlling Cellular ABA Levels. <i>Plant Cell</i> , 2016, 28, 2528-2544.	3.1	46
8553	Cloning and characterization of the cDNA and promoter of UDP-glucose:flavonoid 3-O-glucosyltransferase gene from a purple-fleshed sweet potato. <i>South African Journal of Botany</i> , 2016, 106, 211-220.	1.2	9
8554	Overexpression of AtOxR gene improves abiotic stresses tolerance and vitamin C content in Arabidopsis thaliana. <i>BMC Biotechnology</i> , 2016, 16, 69.	1.7	10
8555	EHB1 and AGD12, two calcium-dependent proteins affect gravitropism antagonistically in Arabidopsis thaliana. <i>Journal of Plant Physiology</i> , 2016, 206, 114-124.	1.6	17
8556	Identification and functional characterization of HbOsmotin from <i>Hevea brasiliensis</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 109, 171-180.	2.8	14
8557	Genome-wide identification and functional analysis of the TIFY gene family in response to drought in cotton. <i>Molecular Genetics and Genomics</i> , 2016, 291, 2173-2187.	1.0	34
8558	EXA1, a GYF domain protein, is responsible for loss of susceptibility to plantago asiatica mosaic virus in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 88, 120-131.	2.8	39
8559	Global gene expression and secondary metabolite changes in Arabidopsis thaliana ABI4 over-expression lines. <i>Botany</i> , 2016, 94, 615-634.	0.5	1
8560	The <i>Arabidopsis</i> CERK1-associated kinase PBL27 connects chitin perception to MAPK activation. <i>EMBO Journal</i> , 2016, 35, 2468-2483.	3.5	202
8561	Genetic Interactions between PEROXIN12 and Other Peroxisome-Associated Ubiquitination Components. <i>Plant Physiology</i> , 2016, 172, 1643-1656.	2.3	19
8562	Dioxygenase-encoding <i>AtDAO1</i> gene controls IAA oxidation and homeostasis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11016-11021.	3.3	162
8563	TRANSPORTIN1 Promotes the Association of MicroRNA with ARGONAUTE1 in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 2576-2585.	3.1	52
8564	Parental epigenetic asymmetry of PRC2-mediated histone modifications in the <i>Arabidopsis</i> endosperm. <i>EMBO Journal</i> , 2016, 35, 1298-1311.	3.5	124
8565	Control of Oriented Tissue Growth through Repression of Organ Boundary Genes Promotes Stem Morphogenesis. <i>Developmental Cell</i> , 2016, 39, 198-208.	3.1	75
8566	An histidine covalent receptor and butenolide complex mediates strigolactone perception. <i>Nature Chemical Biology</i> , 2016, 12, 787-794.	3.9	244

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8568	The ectopic localization of CAPRICE LIKE MYB3 protein in Arabidopsis root epidermis. <i>Journal of Plant Physiology</i> , 2016, 199, 111-115.	1.6	9
8569	BclEB1, a <i>Botrytis cinerea</i> secreted protein, elicits a defense response in plants. <i>Plant Science</i> , 2016, 250, 115-124.	1.7	37
8570	The Arabidopsis SUMO E3 Ligase AtMMS21 Dissociates the E2Fa/DPa Complex in Cell Cycle Regulation. <i>Plant Cell</i> , 2016, 28, 2225-2237.	3.1	43
8571	FYVE1/FREE1 Interacts with the PYL4 ABA Receptor and Mediates Its Delivery to the Vacuolar Degradation Pathway. <i>Plant Cell</i> , 2016, 28, 2291-2311.	3.1	129
8572	Vacuolar Chloride Fluxes Impact Ion content and Distribution during Early Salinity Stress. <i>Plant Physiology</i> , 2016, 172, pp.00183.2016.	2.3	45
8573	Identification and characterization of the missing phosphatase on the riboflavin biosynthesis pathway in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 88, 705-716.	2.8	32
8574	Histone acetyltransferase general control non-repressed protein 5 (<i>GCN5</i>) affects the fatty acid composition of <i>Arabidopsis thaliana</i> seeds by acetylating <i>fatty acid desaturase3</i> (<i>FAD3</i>). <i>Plant Journal</i> , 2016, 88, 794-808.	2.8	30
8575	The Arabidopsis Iron-Sulfur Protein GRXS17 is a Target of the Ubiquitin E3 Ligases RGLG3 and RGLG4. <i>Plant and Cell Physiology</i> , 2016, 57, 1801-1813.	1.5	16
8576	Intron sequences that stimulate gene expression in Arabidopsis. <i>Plant Molecular Biology</i> , 2016, 92, 337-346.	2.0	36
8577	Expression Pattern Similarities Support the Prediction of Orthologs Retaining Common Functions after Gene Duplication Events. <i>Plant Physiology</i> , 2016, 171, 2343-2357.	2.3	45
8578	Glutaredoxin GRXS17 Associates with the Cytosolic Iron-Sulfur Cluster Assembly Pathway. <i>Plant Physiology</i> , 2016, 172, pp.00261.2016.	2.3	35
8579	Auxin Influx Carrier AUX1 Confers Acid Resistance for Arabidopsis Root Elongation Through the Regulation of Plasma Membrane H ⁺ -ATPase. <i>Plant and Cell Physiology</i> , 2016, 57, 2194-2201.	1.5	40
8580	Quiescent center initiation in the <i>Arabidopsis</i> lateral root primordia is dependent on the <i>SCARECROW</i> transcription factor. <i>Development (Cambridge)</i> , 2016, 143, 3363-71.	1.2	61
8581	Genome interrogation for novel salinity tolerant Arabidopsis mutants. <i>Plant, Cell and Environment</i> , 2016, 39, 2650-2662.	2.8	5
8582	Ectopic expression of NnPER1, a <i>Nelumbo nucifera</i> cysteine peroxiredoxin antioxidant, enhances seed longevity and stress tolerance in Arabidopsis. <i>Plant Journal</i> , 2016, 88, 608-619.	2.8	48
8583	Ectopic expression of a SOC1 homolog from <i>Phyllostachys violascens</i> alters flowering time and identity of floral organs in Arabidopsis thaliana. <i>Trees - Structure and Function</i> , 2016, 30, 2203-2215.	0.9	14
8584	Ectopic expression of PvSOC1, a homolog of SOC1 from <i>Phyllostachys violascens</i> , promotes flowering in Arabidopsis and rice. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	19

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8586	Activation of senescence-associated <i>Dark-inducible</i> (<i>DIN</i>) genes during infection contributes to enhanced susceptibility to plant viruses. <i>Molecular Plant Pathology</i> , 2016, 17, 3-15.	2.0	37
8587	<i>AtRAD5A</i> is a <i>DNA</i> translocase harboring a <i>HIRAN</i> domain which confers binding to branched <i>DNA</i> structures and is required for <i>DNA</i> repair <i>in vivo</i> . <i>Plant Journal</i> , 2016, 88, 521-530.	2.8	11
8588	Identification of <i>Coilin</i> Mutants in a Screen for Enhanced Expression of an Alternatively Spliced <i>GFP</i> Reporter Gene in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2016, 203, 1709-1720.	1.2	15
8589	Salt Stress Reveals a New Role for <i>ARGONAUTE1</i> in miRNA Biogenesis at the Transcriptional and Posttranscriptional Levels. <i>Plant Physiology</i> , 2016, 172, 297-312.	2.3	72
8590	Insights into Interspecific Hybridization Events in Allotetraploid Cotton Formation from Characterization of a Gene-Regulating Leaf Shape. <i>Genetics</i> , 2016, 204, 799-806.	1.2	22
8591	Novel Synthetic Promoters from the <i>Cestrum</i> Yellow Leaf Curling Virus. <i>Methods in Molecular Biology</i> , 2016, 1482, 111-138.	0.4	4
8592	Genome-wide analysis of the lectin receptor-like kinase family in foxtail millet (<i>Setaria italica</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 335-346.	1.2	27
8593	Homologous and heterologous expression of grapevine E-(¹²)-caryophyllene synthase (<i>VvGwECar2</i>). <i>Phytochemistry</i> , 2016, 131, 76-83.	1.4	12
8594	<i>SUPPRESSOR OF PHYTOCHROME B4-3</i> Represses Genes Associated with Auxin Signaling to Modulate Hypocotyl Growth. <i>Plant Physiology</i> , 2016, 171, 2701-2716.	2.3	30
8595	Glycosylphosphatidylinositol (GPI) modification serves as a primary plasmodesmal targeting signal. <i>Plant Physiology</i> , 2016, 172, pp.01026.2016.	2.3	40
8596	CRISPR/Cas-Mediated Site-Specific Mutagenesis in <i>Arabidopsis thaliana</i> Using Cas9 Nucleases and Paired Nickases. <i>Methods in Molecular Biology</i> , 2016, 1469, 111-122.	0.4	27
8597	Molecular cloning and functional characterization of <i>DkMATE1</i> involved in proanthocyanidin precursor transport in persimmon (<i>Diospyros kaki</i> Thunb.) fruit. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 241-250.	2.8	19
8598	<i>MYB94</i> and <i>MYB96</i> Additively Activate Cuticular Wax Biosynthesis in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 2300-2311.	1.5	121
8599	Ubiquitin Ligases <i>RGLG1</i> and <i>RGLG5</i> Regulate Abscisic Acid Signaling by Controlling the Turnover of Phosphatase <i>PP2CA</i> . <i>Plant Cell</i> , 2016, 28, 2178-2196.	3.1	100
8600	Quantitative Analysis of Cis-Regulatory Element Activity Using Synthetic Promoters in Transgenic Plants. <i>Methods in Molecular Biology</i> , 2016, 1482, 15-30.	0.4	4
8601	A <i>R2R3-MYB</i> transcription factor from <i>Lablab purpureus</i> induced by drought increases tolerance to abiotic stress in <i>Arabidopsis</i> . <i>Molecular Biology Reports</i> , 2016, 43, 1089-1100.	1.0	17
8602	<i>eIF4A</i> RNA Helicase Associates with Cyclin-Dependent Protein Kinase A in Proliferating Cells and Is Modulated by Phosphorylation. <i>Plant Physiology</i> , 2016, 172, 128-140.	2.3	25

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8604	Plant development regulated by cytokinin sinks. <i>Science</i> , 2016, 353, 1027-1030.	6.0	141
8605	CsWRKY46 , a WRKY transcription factor from cucumber, confers cold resistance in transgenic-plant by regulating a set of cold-stress responsive genes in an ABA-dependent manner. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 478-487.	2.8	126
8606	N availability modulates the role of NPF3.1, a gibberellin transporter, in GA-mediated phenotypes in <i>Arabidopsis</i> . <i>Planta</i> , 2016, 244, 1315-1328.	1.6	75
8607	Chloroplast translation initiation factors regulate leaf variegation and development. <i>Plant Physiology</i> , 2016, 172, pp.02040.2015.	2.3	49
8608	<i>Arabidopsis</i> Polyamine oxidase-2 uORF is required for downstream translational regulation. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 381-390.	2.8	17
8609	Genome-wide identification and characterization of <i>TCP</i> genes involved in ovule development of <i>Phalaenopsis equestris</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 5051-5066.	2.4	55
8610	Mitochondrial Defects Confer Tolerance against Cellulose Deficiency. <i>Plant Cell</i> , 2016, 28, 2276-2290.	3.1	57
8611	BnaABF2, a bZIP transcription factor from rapeseed (<i>Brassica napus</i> L.), enhances drought and salt tolerance in transgenic <i>Arabidopsis</i> . , 2016, 57, 12.		46
8612	Nitrate Controls Root Development through Post-Transcriptional Regulation of the NRT1.1/NPF6.3 transporter/sensor. <i>Plant Physiology</i> , 2016, 172, pp.01047.2016.	2.3	94
8613	Peanut ethylene-responsive element binding factor (AhERF6) improves cold and salt tolerance in <i>Arabidopsis</i> . <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	10
8614	Expression of a grape (<i>Vitis vinifera</i>) bZIP transcription factor, VbZIP36, in <i>Arabidopsis thaliana</i> confers tolerance of drought stress during seed germination and seedling establishment. <i>Plant Science</i> , 2016, 252, 311-323.	1.7	31
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8616	A R2R3-MYB transcription factor gene in common wheat (namely TaMYBsm1) involved in enhancement of drought tolerance in transgenic <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 2016, 129, 1097-1107.	1.2	19
8617	The heat-stress factor HSFA6b connects ABA signaling and ABA-mediated heat responses. <i>Plant Physiology</i> , 2016, 172, pp.00860.2016.	2.3	201
8618	A Family of Negative Regulators Targets the Committed Step of de Novo Fatty Acid Biosynthesis. <i>Plant Cell</i> , 2016, 28, 2312-2325.	3.1	44
8619	The <i>Arabidopsis</i> polyamine transporter <i>LHR1</i> / <i>PUT3</i> modulates heat responsive gene expression by enhancing <i>mRNA</i> stability. <i>Plant Journal</i> , 2016, 88, 1006-1021.	2.8	33
8620	Fatty acid β -hydroxylases from <i>Solanum tuberosum</i> . <i>Plant Cell Reports</i> , 2016, 35, 2435-2448.	2.8	14

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8622	Genome-wide analysis of the Hsp70 family genes in pepper (<i>Capsicum annuum</i> L.) and functional identification of CaHsp70-2 involvement in heat stress. <i>Plant Science</i> , 2016, 252, 246-256.	1.7	72
8623	A naturally occurring promoter polymorphism of the <i>Arabidopsis thaliana</i> <i>FUM2</i> gene causes expression variation, and is associated with metabolic and growth traits. <i>Plant Journal</i> , 2016, 88, 826-838.	2.8	35
8625	Overexpression of GmProT1 and GmProT2 increases tolerance to drought and salt stresses in transgenic <i>Arabidopsis</i> . <i>Journal of Integrative Agriculture</i> , 2016, 15, 1727-1743.	1.7	11
8626	Pod borer resistant transgenic pigeon pea (<i>Cajanus cajan</i> L.) expressing cry1Ac transgene generated through simplified <i>Agrobacterium</i> transformation of pricked embryo axes. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 717-727.	1.2	21
8627	Cloning and Preliminary Functional Analysis of <i>PeLUGE</i> Gene from Moso Bamboo (<i>Phyllostachys edulis</i>). <i>DNA and Cell Biology</i> , 2016, 35, 706-714.	0.9	9
8628	PtFCA from precocious trifoliolate orange is regulated by alternative splicing and affects flowering time and root development in transgenic <i>Arabidopsis</i> . <i>Tree Genetics and Genomes</i> , 2016, 12, 1.	0.6	8
8629	<i>ERIL1</i> , the plant homologue of <i>ERL1</i> , is involved in the processing of chloroplastic rRNAs. <i>Plant Journal</i> , 2016, 88, 839-853.	2.8	3
8630	Low <i>Agrobacterium tumefaciens</i> inoculum levels and a long co-culture period lead to reduced plant defense responses and increase transgenic shoot production of sunflower (<i>Helianthus annuus</i> L.). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2016, 52, 354-366.	0.9	17
8631	The activity of HYDROPEROXIDE LYASE 1 regulates accumulation of galactolipids containing 12-oxo-phytodienoic acid in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 5133-5144.	2.4	20
8632	Noncoding RNAs of Plant Viruses and Viroids: Sponges of Host Translation and RNA Interference Machinery. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 156-164.	1.4	28
8633	Mitochondrial uncouplers inhibit clathrin-mediated endocytosis largely through cytoplasmic acidification. <i>Nature Communications</i> , 2016, 7, 11710.	5.8	98
8634	An ortholog of LEAFY in <i>Jatropha curcas</i> regulates flowering time and floral organ development. <i>Scientific Reports</i> , 2016, 6, 37306.	1.6	30
8635	Overexpression of <i>Arabidopsis</i> NLP7 improves plant growth under both nitrogen-limiting and -sufficient conditions by enhancing nitrogen and carbon assimilation. <i>Scientific Reports</i> , 2016, 6, 27795.	1.6	123
8636	The Nonspecific Lipid Transfer Protein AtLtp1-4 Is Involved in Suberin Formation of <i>Arabidopsis thaliana</i> Crown Galls. <i>Plant Physiology</i> , 2016, 172, 1911-1927.	2.3	54
8637	The sweet cherry (<i>Prunus avium</i>) FLOWERING LOCUS T gene is expressed during floral bud determination and can promote flowering in a winter-annual <i>Arabidopsis</i> accession. <i>Plant Reproduction</i> , 2016, 29, 311-322.	1.3	24
8638	Phytochrome B and REVEILLE1/2-mediated signalling controls seed dormancy and germination in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2016, 7, 12377.	5.8	112
8639	<i>Arabidopsis</i> TAF15b Localizes to RNA Processing Bodies and Contributes to <i>snc1</i> -Mediated Autoimmunity. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 247-257.	1.4	15

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8641	An ancestral stomatal patterning module revealed in the non-vascular land plant <i>Physcomitrella patens</i> . <i>Development (Cambridge)</i> , 2016, 143, 3306-14.	1.2	56
8642	Fruit shape diversity in the Brassicaceae is generated by varying patterns of anisotropy. <i>Development (Cambridge)</i> , 2016, 143, 3394-3406.	1.2	41
8643	Secretory COPII Protein SEC31B Is Required for Pollen Wall Development. <i>Plant Physiology</i> , 2016, 172, 1625-1642.	2.3	34
8644	ZRF1 Chromatin Regulators Have Polycomb Silencing and Independent Roles in Development. <i>Plant Physiology</i> , 2016, 172, 1746-1759.	2.3	23
8645	Flowering Time-Regulated Genes in Maize Include the Transcription Factor ZmMADS1. <i>Plant Physiology</i> , 2016, 172, 389-404.	2.3	70
8646	Transcriptional Regulation of Arabidopsis Polycomb Repressive Complex 2 Coordinates Cell-Type Proliferation and Differentiation. <i>Plant Cell</i> , 2016, 28, 2616-2631.	3.1	78
8647	Protein N-terminal acetylation is required for embryogenesis in Arabidopsis. <i>Journal of Experimental Botany</i> , 2016, 67, 4779-4789.	2.4	23
8648	Functional analysis of molecular interactions in synthetic auxin response circuits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11354-11359.	3.3	50
8649	Phenotypic reversion in <i>fas</i> mutants of <i>Arabidopsis thaliana</i> by reintroduction of <i>FAS</i> genes: variable recovery of telomeres with major spatial rearrangements and transcriptional reprogramming of 45S rDNA genes. <i>Plant Journal</i> , 2016, 88, 411-424.	2.8	29
8650	Class I and II small heat-shock proteins protect protein translation factors during heat stress. <i>Plant Physiology</i> , 2016, 172, pp.00536.2016.	2.3	94
8651	ROOT HAIR DEFECTIVE SIX-LIKE4 (RSL4) promotes root hair elongation by transcriptionally regulating the expression of genes required for cell growth. <i>New Phytologist</i> , 2016, 212, 944-953.	3.5	83
8652	A WD40 protein, AtGHS40, negatively modulates abscisic acid degrading and signaling genes during seedling growth under high glucose conditions. <i>Journal of Plant Research</i> , 2016, 129, 1127-1140.	1.2	8
8653	Antagonistic control of flowering time by functionally specialized poly(A) polymerases in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 88, 570-583.	2.8	15
8654	OaMAX2 of <i>Orobancha aegyptiaca</i> and Arabidopsis AtMAX2 share conserved functions in both development and drought responses. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 521-526.	1.0	17
8655	Repression of MYBL2 by Both microRNA858a and HY5 Leads to the Activation of Anthocyanin Biosynthetic Pathway in Arabidopsis. <i>Molecular Plant</i> , 2016, 9, 1395-1405.	3.9	146
8656	The transcription factors MS188 and AMS form a complex to activate the expression of <i>CYP703A2</i> for sporopollenin biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 88, 936-946.	2.8	73
8657	The 5'UTR Intron of Arabidopsis GGT1 Aminotransferase Enhances Promoter Activity by Recruiting RNA Polymerase II. <i>Plant Physiology</i> , 2016, 172, 313-327.	2.3	32

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8658	Increased STM expression is associated with drought tolerance in Arabidopsis. Journal of Plant Physiology, 2016, 201, 79-84.	1.6	10
8659	Simultaneous regulation of antenna size and photosystem I/II stoichiometry in Arabidopsis thaliana. Planta, 2016, 244, 1041-1053.	1.6	26
8660	The Arabidopsis SR45 Splicing Factor, a Negative Regulator of Sugar Signaling, Modulates SNF1-Related Protein Kinase 1 Stability. Plant Cell, 2016, 28, 1910-1925.	3.1	71
8661	Conservation and Diversification of the SHR-SCR-SCL23 Regulatory Network in the Development of the Functional Endodermis in Arabidopsis Shoots. Molecular Plant, 2016, 9, 1197-1209.	3.9	37
8662	Activation tagging in <i>indica</i> rice identifies ribosomal proteins as potential targets for manipulation of water-use efficiency and abiotic stress tolerance in plants. Plant, Cell and Environment, 2016, 39, 2440-2459.	2.8	41
8663	Altered expression of the bZIP transcription factor DRINK ME affects growth and reproductive development in <i>Arabidopsis thaliana</i> . Plant Journal, 2016, 88, 437-451.	2.8	40
8664	Gene mining in halophytes: functional identification of stress tolerance genes in <i>Lepidium crassifolium</i> . Plant, Cell and Environment, 2016, 39, 2074-2084.	2.8	25
8665	Retrograde signalling caused by heritable mitochondrial dysfunction is partially mediated by ANAC017 and improves plant performance. Plant Journal, 2016, 88, 542-558.	2.8	66
8666	Revisiting the phosphatidylethanolamine-binding protein (PEBP) gene family reveals cryptic <i>FLOWERING LOCUS T</i> gene homologs in gymnosperms and sheds new light on functional evolution. New Phytologist, 2016, 212, 730-744.	3.5	77
8667	The SNW Domain of SKIP Is Required for Its Integration into the Spliceosome and Its Interaction with the Paf1 Complex in Arabidopsis. Molecular Plant, 2016, 9, 1040-1050.	3.9	21
8668	BjMYB1, a transcription factor implicated in plant defence through activating <i>BjCHI1</i> chitinase expression by binding to a W-box-like element. Journal of Experimental Botany, 2016, 67, 4647-4658.	2.4	28
8669	Overexpression of SpCBL6, a calcineurin B-like protein of <i>Stipa purpurea</i> , enhanced cold tolerance and reduced drought tolerance in transgenic Arabidopsis. Molecular Biology Reports, 2016, 43, 957-966.	1.0	16
8670	The Agrobacterium rhizogenes oncogenes rolB and ORF13 increase formation of generative shoots and induce dwarfism in Arabidopsis thaliana (L.) Heynh.. Plant Science, 2016, 252, 22-29.	1.7	19
8671	New <i>BAR</i> tools for mining expression data and exploring <i>Cis</i> elements in <i>Arabidopsis thaliana</i> . Plant Journal, 2016, 88, 490-504.	2.8	75
8672	Functional analysis of a cryptic promoter from Arabidopsis thaliana reveals bidirectionality. Plant Biotechnology Reports, 2016, 10, 241-255.	0.9	3
8673	The <i>cbfs</i> triple mutants reveal the essential functions of <i>CBF</i> s in cold acclimation and allow the definition of <i>CBF</i> regulons in <i>Arabidopsis</i> . New Phytologist, 2016, 212, 345-353.	3.5	360
8674	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
8675	EgHOX1, a HD-Zip II gene, is highly expressed during early oil palm (<i>Elaeis guineensis</i> Jacq.) somatic embryogenesis. Plant Gene, 2016, 8, 16-25.	1.4	9

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8676	A subunit of the oligosaccharyltransferase complex is required for interspecific gametophyte recognition in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2016, 7, 10826.	5.8	26
8677	Farnesylation mediates brassinosteroid biosynthesis to regulate abscisic acid responses. <i>Nature Plants</i> , 2016, 2, 16114.	4.7	90
8678	ABA-dependent control of <i>GIGANTEA</i> signalling enables drought escape via up-regulation of <i>FLOWERING LOCUS T</i> in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6309-6322.	2.4	137
8679	Two Chloroplast Proteins Suppress Drought Resistance by Affecting ROS Production in Guard Cells. <i>Plant Physiology</i> , 2016, 172, 2491-2503.	2.3	47
8680	Functional roles of <i>Arabidopsis</i> CKRC2/YUCCA8 gene and the involvement of PIF4 in the regulation of auxin biosynthesis by cytokinin. <i>Scientific Reports</i> , 2016, 6, 36866.	1.6	44
8681	Control of seed dormancy in <i>Arabidopsis</i> by a cis-acting noncoding antisense transcript. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7846-E7855.	3.3	113
8682	Identification and molecular characterization of an IDA-like gene from litchi, <i>LcIDL1</i> , whose ectopic expression promotes floral organ abscission in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2016, 6, 37135.	1.6	48
8683	pKAMA-ITACHI Vectors for Highly Efficient CRISPR/Cas9-Mediated Gene Knockout in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2017, 58, pcw191.	1.5	168
8684	<i>S</i> -Adenosylmethionine Synthetase 3 Is Important for Pollen Tube Growth. <i>Plant Physiology</i> , 2016, 172, 244-253.	2.3	47
8685	ESCRT-I Component VPS23A Affects ABA Signaling by Recognizing ABA Receptors for Endosomal Degradation. <i>Molecular Plant</i> , 2016, 9, 1570-1582.	3.9	87
8686	Analysis of crystal structure of <i>Arabidopsis</i> MPK6 and generation of its mutants with higher activity. <i>Scientific Reports</i> , 2016, 6, 25646.	1.6	13
8687	UMAMIT14 is an amino acid exporter involved in phloem unloading in <i>Arabidopsis</i> roots. <i>Journal of Experimental Botany</i> , 2016, 67, 6385-6397.	2.4	76
8688	Constitutive cyclic GMP accumulation in <i>Arabidopsis thaliana</i> compromises systemic acquired resistance induced by an avirulent pathogen by modulating local signals. <i>Scientific Reports</i> , 2016, 6, 36423.	1.6	27
8689	Visualization of specific repetitive genomic sequences with fluorescent TALEs in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6101-6110.	2.4	44
8690	MYB75 Phosphorylation by MPK4 Is Required for Light-Induced Anthocyanin Accumulation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2016, 28, 2866-2883.	3.1	166
8692	Cytosolic Glutamine Synthetase <i>Gln1;2</i> Is the Main Isozyme Contributing to GS1 Activity and Can Be Up-Regulated to Relieve Ammonium Toxicity. <i>Plant Physiology</i> , 2016, 171, 1921-1933.	2.3	99
8693	Ubiquitous miR159 repression of MYB33/65 in <i>Arabidopsis</i> rosettes is robust and is not perturbed by a wide range of stresses. <i>BMC Plant Biology</i> , 2016, 16, 179.	1.6	32
8694	The NAC transcription factor ANAC046 is a positive regulator of chlorophyll degradation and senescence in <i>Arabidopsis</i> leaves. <i>Scientific Reports</i> , 2016, 6, 23609.	1.6	121

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8695	Blue Light- and Low Temperature-Regulated COR27 and COR28 Play Roles in the Arabidopsis Circadian Clock. <i>Plant Cell</i> , 2016, 28, 2755-2769.	3.1	56
8696	Arabidopsis seed germination speed is controlled by SNL histone deacetylase-binding factor-mediated regulation of AUX1. <i>Nature Communications</i> , 2016, 7, 13412.	5.8	80
8697	Phospholipid composition and a polybasic motif determine D6 PROTEIN KINASE polar association with the plasma membrane and tropic responses. <i>Development (Cambridge)</i> , 2016, 143, 4687-4700.	1.2	80
8698	Standing genetic variation in a tissue-specific enhancer underlies selfing-syndrome evolution in <i>Capsella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13911-13916.	3.3	50
8699	CML8, an Arabidopsis Calmodulin-Like Protein, Plays a Role in <i>Pseudomonas syringae</i> Plant Immunity. <i>Plant and Cell Physiology</i> , 2016, 58, pcw189.	1.5	62
8700	DNA Methylation Influences the Expression of <i>DICER-LIKE4</i> Isoforms, Which Encode Proteins of Alternative Localization and Function. <i>Plant Cell</i> , 2016, 28, 2786-2804.	3.1	41
8701	Nonsense-mediated mRNA decay modulates FLM-dependent thermosensory flowering response in Arabidopsis. <i>Nature Plants</i> , 2016, 2, 16055.	4.7	136
8702	Disrupting ER-associated protein degradation suppresses the abscission defect of a weak <i>hsl2</i> mutant in Arabidopsis. <i>Journal of Experimental Botany</i> , 2016, 67, 5473-5484.	2.4	18
8703	Different cucumber CsYUC genes regulate response to abiotic stresses and flower development. <i>Scientific Reports</i> , 2016, 6, 20760.	1.6	46
8704	Structural and Functional Characterization of the VQ Protein Family and VQ Protein Variants from Soybean. <i>Scientific Reports</i> , 2016, 6, 34663.	1.6	26
8705	β -Xylosidase plays essential roles in xyloglucan remodelling, maintenance of cell wall integrity, and seed germination in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 5615-5629.	2.4	44
8706	Chickpea Ferritin CaFer1 Participates in Oxidative Stress Response and Promotes Growth and Development. <i>Scientific Reports</i> , 2016, 6, 31218.	1.6	22
8707	Evolutionary interplay between sister cytochrome P450 genes shapes plasticity in plant metabolism. <i>Nature Communications</i> , 2016, 7, 13026.	5.8	44
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8710	Tartary buckwheat FtMYB10 encodes an R2R3-MYB transcription factor that acts as a novel negative regulator of salt and drought response in transgenic Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 387-396.	2.8	41
8711	Identification of plant vacuolar transporters mediating phosphate storage. <i>Nature Communications</i> , 2016, 7, 11095.	5.8	179
8712	FIE, a nuclear PRC2 protein, forms cytoplasmic complexes in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6111-6123.	2.4	16

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8714	A Framework for Lateral Membrane Trafficking and Polar Tethering of the PEN3 ATP-Binding Cassette Transporter. <i>Plant Physiology</i> , 2016, 172, 2245-2260.	2.3	49
8715	Application of rice microspore-preferred promoters to manipulate early pollen development in Arabidopsis: a heterologous system. <i>Plant Reproduction</i> , 2016, 29, 291-300.	1.3	1
8716	An alternative strategy for targeted gene replacement in plants using a dual-sgRNA/Cas9 design. <i>Scientific Reports</i> , 2016, 6, 23890.	1.6	212
8717	GhLTPG1, a cotton GPI-anchored lipid transfer protein, regulates the transport of phosphatidylinositol monophosphates and cotton fiber elongation. <i>Scientific Reports</i> , 2016, 6, 26829.	1.6	40
8718	Transcriptional regulation of heat shock proteins and ascorbate peroxidase by CtHsfA2b from African bermudagrass conferring heat tolerance in Arabidopsis. <i>Scientific Reports</i> , 2016, 6, 28021.	1.6	37
8719	Functional conservation and diversification of the soybean maturity gene E1 and its homologs in legumes. <i>Scientific Reports</i> , 2016, 6, 29548.	1.6	53
8720	Arabidopsis AtERF014 acts as a dual regulator that differentially modulates immunity against <i>Pseudomonas syringae</i> pv. tomato and <i>Botrytis cinerea</i> . <i>Scientific Reports</i> , 2016, 6, 30251.	1.6	54
8722	Homologs of SCAR/WAVE complex components are required for epidermal cell morphogenesis in rice. <i>Journal of Experimental Botany</i> , 2016, 67, 4311-4323.	2.4	33
8723	NaKR1 regulates long-distance movement of FLOWERING LOCUS T in Arabidopsis. <i>Nature Plants</i> , 2016, 2, 16075.	4.7	82
8724	Two IIIf Clade-bHLHs from <i>Freesia hybrida</i> Play Divergent Roles in Flavonoid Biosynthesis and Trichome Formation when Ectopically Expressed in Arabidopsis. <i>Scientific Reports</i> , 2016, 6, 30514.	1.6	45
8725	The Reverse Transcriptase/RNA Maturase Protein MatR Is Required for the Splicing of Various Group II Introns in Brassicaceae Mitochondria. <i>Plant Cell</i> , 2016, 28, 2805-2829.	3.1	91
8726	The Minimum Open Reading Frame, AUG-Stop, Induces Boron-Dependent Ribosome Stalling and mRNA Degradation. <i>Plant Cell</i> , 2016, 28, 2830-2849.	3.1	128
8727	Intein-mediated Cre protein assembly for transgene excision in hybrid progeny of transgenic Arabidopsis. <i>Plant Cell Reports</i> , 2016, 35, 2045-2053.	2.8	7
8728	A heavy metal P-type ATPase OsHMA4 prevents copper accumulation in rice grain. <i>Nature Communications</i> , 2016, 7, 12138.	5.8	178
8729	Polarly localized kinase SGN1 is required for Casparian strip integrity and positioning. <i>Nature Plants</i> , 2016, 2, 16113.	4.7	105
8730	Arabidopsis JINGUBANG Is a Negative Regulator of Pollen Germination That Prevents Pollination in Moist Environments. <i>Plant Cell</i> , 2016, 28, 2131-2146.	3.1	35
8731	Identification of Methylosome Components as Negative Regulators of Plant Immunity Using Chemical Genetics. <i>Molecular Plant</i> , 2016, 9, 1620-1633.	3.9	15

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8732	Ribosomal protein L18aB is required for both male gametophyte function and embryo development in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2016, 6, 31195.	1.6	34
8733	DELAYED GREENING 238, a Nuclear-Encoded Chloroplast Nucleoid Protein, Is Involved in the Regulation of Early Chloroplast Development and Plastid Gene Expression in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 2586-2599.	1.5	11
8734	Temperature-sensitive albino gene <i>TCD5</i> , encoding a monooxygenase, affects chloroplast development at low temperatures. <i>Journal of Experimental Botany</i> , 2016, 67, 5187-5202.	2.4	42
8735	Sulfur deficiency-induced repressor proteins optimize glucosinolate biosynthesis in plants. <i>Science Advances</i> , 2016, 2, e1601087.	4.7	127
8736	Plastid-nucleus communication involves calcium-modulated MAPK signalling. <i>Nature Communications</i> , 2016, 7, 12173.	5.8	70
8737	Rewiring of jasmonate and phytochrome B signalling uncouples plant growth-defense tradeoffs. <i>Nature Communications</i> , 2016, 7, 12570.	5.8	323
8738	T-DNA integration in plants results from polymerase- β -mediated DNA repair. <i>Nature Plants</i> , 2016, 2, 16164.	4.7	118
8739	SPL3/4/5 Integrate Developmental Aging and Photoperiodic Signals into the FT-FD Module in <i>Arabidopsis</i> Flowering. <i>Molecular Plant</i> , 2016, 9, 1647-1659.	3.9	125
8740	Expression of GhNAC2 from <i>G. herbaceum</i> , improves root growth and imparts tolerance to drought in transgenic cotton and <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2016, 6, 24978.	1.6	65
8741	Alternative Splicing Substantially Diversifies the Transcriptome during Early Photomorphogenesis and Correlates with the Energy Availability in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2016, 28, 2715-2734.	3.1	97
8742	A transcription factor hierarchy defines an environmental stress response network. <i>Science</i> , 2016, 354, .	6.0	394
8743	Gain-of-function in <i>Arabidopsis</i> (GAINA) for identifying functional genes in <i>Hevea brasiliensis</i> . <i>SpringerPlus</i> , 2016, 5, 1853.	1.2	3
8744	The SBT6.1 subtilase processes the GOLVEN1 peptide controlling cell elongation. <i>Journal of Experimental Botany</i> , 2016, 67, 4877-4887.	2.4	51
8745	Isolation and Functional Analysis of Two Gibberellin 20-Oxidase Genes from Satsuma Mandarin (<i>Citrus unshiu</i> Marc.). <i>Horticulture Journal</i> , 2016, 85, 128-140.	0.3	14
8746	Artificial Chromosome Preparation in <i>Arabidopsis</i> . <i>Current Protocols in Plant Biology</i> , 2016, 1, 53-66.	2.8	1
8747	Comparative analysis of RhNAC transcription regulation in dehydration tolerance of rose petals. <i>Acta Horticulturae</i> , 2016, , 63-70.	0.1	0
8748	ahg12 is a dominant proteasome mutant that affects multiple regulatory systems for germination of <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2016, 6, 25351.	1.6	1
8749	The novel protein DELAYED PALE-GREENING1 is required for early chloroplast biogenesis in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2016, 6, 25742.	1.6	14

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8750	Characterization of two PEBP genes, SrFT and SrMFT, in thermogenic skunk cabbage (<i>Symplocarpus</i>) Tj ETQq0 0 0 156 /Overlock 10 Tf	1.6	10
8751	Protoplast isolation, transient transformation of leaf mesophyll protoplasts and improved <i>Agrobacterium</i> -mediated leaf disc infiltration of <i>Phaseolus vulgaris</i> : tools for rapid gene expression analysis. <i>BMC Biotechnology</i> , 2016, 16, 53.	1.7	74
8752	Three TaFAR genes function in the biosynthesis of primary alcohols and the response to abiotic stresses in <i>Triticum aestivum</i> . <i>Scientific Reports</i> , 2016, 6, 25008.	1.6	49
8753	The <i>Arabidopsis</i> Auxin Receptor F-Box Proteins AFB4 and AFB5 Are Required for Response to the Synthetic Auxin Picloram. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1383-1390.	0.8	89
8754	Suppression subtractive hybridization library construction and identification of epidermal bladder cell related genes in the common ice plant, <i>Mesembryanthemum crystallinum</i> L. <i>Plant Production Science</i> , 2016, 19, 552-561.	0.9	8
8755	<i>Arabidopsis</i> casein kinase 1-like 8 enhances NaCl tolerance, early flowering, and the expression of flowering-related genes. <i>Journal of Plant Interactions</i> , 2016, 11, 138-145.	1.0	5
8756	<i>WRINKLED1</i> Rescues Feedback Inhibition of Fatty Acid Synthesis in Hydroxylase-Expressing Seeds. <i>Plant Physiology</i> , 2016, 171, 179-191.	2.3	60
8757	<i>Arabidopsis</i> NATA1 acetylates putrescine and decreases defense-related hydrogen peroxide accumulation. <i>Plant Physiology</i> , 2016, 171, pp.00446.2016.	2.3	45
8758	<i>CML</i> 10, a variant of calmodulin, modulates ascorbic acid synthesis. <i>New Phytologist</i> , 2016, 209, 664-678.	3.5	62
8759	BODYGUARD is required for the biosynthesis of cutin in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2016, 211, 614-626.	3.5	43
8760	Characterization of photomorphogenic responses and signaling cascades controlled by phytochrome ϵ expressed in different tissues. <i>New Phytologist</i> , 2016, 211, 584-598.	3.5	20
8761	A single amino acid substitution in the R3 domain of GLABRA1 leads to inhibition of trichome formation in <i>Arabidopsis</i> without affecting its interaction with GLABRA3. <i>Plant, Cell and Environment</i> , 2016, 39, 897-907.	2.8	53
8762	Loss of function mutations in the <i>APX1</i> gene result in enhanced selenium tolerance in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 2133-2144.	2.8	29
8763	Functional characterization of a basic helix-loop-helix (<i>bHLH</i>) transcription factor <i>ChDEL65</i> from cotton (<i>Gossypium hirsutum</i>). <i>Physiologia Plantarum</i> , 2016, 158, 200-212.	2.6	58
8764	Epidermal jasmonate perception is sufficient for all aspects of jasmonate-mediated male fertility in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2016, 85, 634-647.	2.8	44
8765	Repression of callus initiation by the miRNA-directed interaction of auxin-cytokinin in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 87, 391-402.	2.8	56
8766	Expression study of soybean germin-like gene family reveals a role of <i>GLP7</i> gene in various abiotic stress tolerances. <i>Canadian Journal of Plant Science</i> , 2016, 96, 296-304.	0.3	13
8767	Molecular cloning and characterization of anthocyanin biosynthesis genes in eggplant (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 42	1.0	42

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8768	Application of oleosin-flanked keratinocyte growth factor-2 expressed from <i>Arabidopsis thaliana</i> promotes hair follicle growth in mice. <i>Biotechnology Letters</i> , 2016, 38, 1611-1619.	1.1	5
8769	Reduced expression of AtNUP62 nucleoporin gene affects auxin response in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2016, 16, 2.	1.6	19
8770	Functional and evolutionary analyses of the miR156 and miR529 families in land plants. <i>BMC Plant Biology</i> , 2016, 16, 40.	1.6	80
8771	Overexpression of <i>Vitreoscilla</i> hemoglobin increases waterlogging tolerance in <i>Arabidopsis</i> and maize. <i>BMC Plant Biology</i> , 2016, 16, 35.	1.6	32
8772	Genome-Wide Identification and Analysis of the MYB Transcription Factor Superfamily in <i>Solanum lycopersicum</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 1657-1677.	1.5	117
8773	Molecular cloning, characterization, and functional analysis of CcBBM gene from camphor tree (<i>Cinnamomum camphora</i> L.). <i>Trees - Structure and Function</i> , 2016, 30, 1033-1043.	0.9	0
8774	A novel-type phosphatidylinositol phosphate-interactive, Ca-binding protein PCaP1 in <i>Arabidopsis thaliana</i> : stable association with plasma membrane and partial involvement in stomata closure. <i>Journal of Plant Research</i> , 2016, 129, 539-550.	1.2	24
8775	Cloning and functional characterization of PjPORB, a member of the POR gene family in <i>Pseudotsuga japonica</i> cv. Akebonosuji. <i>Plant Growth Regulation</i> , 2016, 79, 95-106.	1.8	12
8776	<i>Brassica napus</i> Cycling Dof Factor1 (BnCDF1) is involved in flowering time and freezing tolerance. <i>Plant Growth Regulation</i> , 2016, 80, 315-322.	1.8	26
8777	<i>Arabidopsis pab1</i> , a mutant with reduced anthocyanins in immature seeds from banyuls, harbors a mutation in the MATE transporter FFT. <i>Plant Molecular Biology</i> , 2016, 90, 7-18.	2.0	25
8778	Functional analysis of PI-like gene in relation to flower development from bamboo (<i>Bambusa</i>) Tj ETQq0 0 0 rgBT /Overlock 10,Tf 50 342	0.4	7
8779	Overexpression of an SKn-dehydrin gene from <i>Eucalyptus globulus</i> and <i>Eucalyptus nitens</i> enhances tolerance to freezing stress in <i>Arabidopsis</i> . <i>Trees - Structure and Function</i> , 2016, 30, 1785-1797.	0.9	13
8780	Constitutive over-expression of rice ClpD1 protein enhances tolerance to salt and desiccation stresses in transgenic <i>Arabidopsis</i> plants. <i>Plant Science</i> , 2016, 250, 69-78.	1.7	23
8781	Auxin-dependent compositional change in Mediator in ARF7- and ARF19-mediated transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6562-6567.	3.3	93
8782	Chloroplast-Specific in Vivo Ca ²⁺ Imaging Using Yellow Cameleon Fluorescent Protein Sensors Reveals Organelle-Autonomous Ca ²⁺ Signatures in the Stroma. <i>Plant Physiology</i> , 2016, 171, 2317-2330.	2.3	71
8783	Genetic complementation analysis of rice sucrose transporter genes in <i>Arabidopsis</i> SUC2 mutant atsuc2. <i>Journal of Plant Biology</i> , 2016, 59, 231-237.	0.9	31
8784	An Innate Immunity Pathway in the Moss <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2016, 28, 1328-1342.	3.1	73
8785	Zinc-Finger Transcription Factor ZAT6 Positively Regulates Cadmium Tolerance through the Glutathione-Dependent Pathway in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 171, 707-719.	2.3	184

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8786	Membrane-bound NAC transcription factors in maize and their contribution to the oxidative stress response. <i>Plant Science</i> , 2016, 250, 30-39.	1.7	30
8787	<i>Pseudomonas syringae</i> type III effector HopAF1 suppresses plant immunity by targeting methionine recycling to block ethylene induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3577-86.	3.3	66
8788	The Mediator Complex MED15 Subunit Mediates Activation of Downstream Lipid-Related Genes by the WRINKLED1 Transcription Factor. <i>Plant Physiology</i> , 2016, 171, 1951-1964.	2.3	65
8789	SMAX1-LIKE7 signals from the nucleus to regulate shoot development in <i>Arabidopsis</i> via partially EAR motif-independent mechanisms. <i>Plant Cell</i> , 2016, 28, tpc.00286.2016.	3.1	117
8790	Live and let die: a REM complex promotes fertilization through synergid cell death in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2016, 143, 2780-90.	1.2	25
8791	Structural determinants of miR156a precursor processing in temperature-responsive flowering in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 4659-4670.	2.4	27
8792	The THO/TREX Complex Active in miRNA Biogenesis Negatively Regulates Root-Associated Acid Phosphatase Activity Induced by Phosphate Starvation. <i>Plant Physiology</i> , 2016, 171, 2841-2853.	2.3	16
8793	Protocorms and Protocorm-Like Bodies Are Molecularly Distinct from Zygotic Embryonic Tissues in <i>Phalaenopsis aphrodite</i> . <i>Plant Physiology</i> , 2016, 171, 2682-2700.	2.3	67
8794	Functional analysis of structurally related soybean GmWRKY58 and GmWRKY76 in plant growth and development. <i>Journal of Experimental Botany</i> , 2016, 67, 4727-4742.	2.4	50
8795	Novel recombinant binary vectors harbouring Basta (bar) gene as a plant selectable marker for genetic transformation of plants. <i>Physiology and Molecular Biology of Plants</i> , 2016, 22, 241-251.	1.4	4
8796	SUMO proteases ULP1c and ULP1d are required for development and osmotic stress responses in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2016, 92, 143-159.	2.0	39
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8798	BBX21, an <i>Arabidopsis</i> B-box protein, directly activates HY5 and is targeted by COP1 for 26S proteasome-mediated degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7655-7660.	3.3	204
8799	New Constitutively Active Phytochromes Exhibit Light-Independent Signaling Activity. <i>Plant Physiology</i> , 2016, 171, 2826-2840.	2.3	18
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8807	Grape <i>SISTER OF RAMOSA3</i> is a negative regulator of pedicel development of grape inflorescence. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 217-225.	1.2	2
8808	Overexpression of a Mei (<i>Prunus mume</i>) <i>CBF</i> gene confers tolerance to freezing and oxidative stress in <i>Arabidopsis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 126, 373-385.	1.2	18
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8810	Construction and Validation of a Dual-Transgene Vector System for Stable Transformation in Plants. <i>Journal of Genetics and Genomics</i> , 2016, 43, 207-215.	1.7	12
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8837	Four SQUAMOSA PROMOTER BINDING PROTEIN-LIKE homologs from a basal eudicot tree (<i>Platanus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Trees - Structure and Function, 2016, 30, 1417-1428.	0.9	6
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8873	Nitrate-Regulated Glutaredoxins Control Arabidopsis Primary Root Growth. <i>Plant Physiology</i> , 2016, 170, 989-999.	2.3	71
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8891	CarNAC4, a NAC-type chickpea transcription factor conferring enhanced drought and salt stress tolerances in Arabidopsis. <i>Plant Cell Reports</i> , 2016, 35, 613-627.	2.8	91
8892	Molecular cloning, functional characterization and expression of potato (<i>Solanum tuberosum</i>) 1-deoxy- d -xylulose 5-phosphate synthase 1 (<i>StDXS1</i>) in response to <i>Phytophthora infestans</i> . <i>Plant Science</i> , 2016, 243, 71-83.	1.7	53
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8915	A pair of light signaling factors FHY3 and FAR1 regulates plant immunity by modulating chlorophyll biosynthesis. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 91-103.	4.1	71
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8923	The sunflower transcription factor HaHB11 improves yield, biomass and tolerance to flooding in transgenic <i>Arabidopsis</i> plants. <i>Journal of Biotechnology</i> , 2016, 222, 73-83.	1.9	42
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8932	The Petal-Specific <i>InMYB1</i> Promoter Functions by Recognizing Petaloid Cells. <i>Plant and Cell Physiology</i> , 2016, 57, 580-587.	1.5	8
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8937	The tae-miR408-Mediated Control of <i>TaTOC1</i> Genes Transcription Is Required for the Regulation of Heading Time in Wheat. <i>Plant Physiology</i> , 2016, 170, 1578-1594.	2.3	113
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8950	Arabidopsis CML38, a Calcium Sensor That Localizes to Ribonucleoprotein Complexes under Hypoxia Stress. <i>Plant Physiology</i> , 2016, 170, 1046-1059.	2.3	87
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8961	Overexpression of an F-box protein gene disrupts cotyledon vein patterning in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 102, 43-52.	2.8	5
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8974	VrDREB2A, a DREB-binding transcription factor from <i>Vigna radiata</i> , increased drought and high-salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2016, 129, 263-273.	1.2	92
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8978	Lipid Droplet-Associated Proteins (LDAPs) Are Required for the Dynamic Regulation of Neutral Lipid Compartmentation in Plant Cells. <i>Plant Physiology</i> , 2016, 170, 2052-2071.	2.3	125
8979	A DNA2 Homolog Is Required for DNA Damage Repair, Cell Cycle Regulation, and Meristem Maintenance in Plants. <i>Plant Physiology</i> , 2016, 171, 318-333.	2.3	61
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8981	The <i>Arabidopsis</i> Mg Transporter, MRS2-4, is Essential for Mg Homeostasis Under Both Low and High Mg Conditions. <i>Plant and Cell Physiology</i> , 2016, 57, 754-763.	1.5	41
8982	Activation of the Stt7/STN7 Kinase through Dynamic Interactions with the Cytochrome $\langle i \rangle$ b ₆ Complex. <i>Plant Physiology</i> , 2016, 171, 82-92.	2.3	64
8983	CIPK23 is involved in iron acquisition of <i>Arabidopsis</i> by affecting ferric chelate reductase activity. <i>Plant Science</i> , 2016, 246, 70-79.	1.7	59
8984	CsNIP2;1 is a Plasma Membrane Transporter from <i>Cucumis sativus</i> that Facilitates Urea Uptake When Expressed in <i>Saccharomyces cerevisiae</i> and <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 616-629.	1.5	15

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8991	Immobilized Subpopulations of Leaf Epidermal Mitochondria Mediate PENETRATION2-Dependent Pathogen Entry Control in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 130-145.	3.1	120
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8994	Overexpression of <i>OsCYP19-4</i> increases tolerance to cold stress and enhances grain yield in rice (<i>Oryza sativa</i>). <i>Journal of Experimental Botany</i> , 2016, 67, 69-82.	2.4	51
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8996	LcGST4 is an anthocyanin-related glutathione S-transferase gene in Litchi chinensis Sonn.. <i>Plant Cell Reports</i> , 2016, 35, 831-843.	2.8	106
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8999	AINTEGUMENTA and AINTEGUMENTA-LIKE6/PLETHORA3 Induce <i>LEAFY</i> Expression in Response to Auxin to Promote the Onset of Flower Formation in Arabidopsis. <i>Plant Physiology</i> , 2016, 170, 283-293.	2.3	70
9000	The mitogen-activated protein kinase phosphatase PHS1 regulates flowering in Arabidopsis thaliana. <i>Planta</i> , 2016, 243, 909-923.	1.6	5
9001	ZmCIPK8, a CBL-interacting protein kinase, regulates maize response to drought stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 459-469.	1.2	30
9002	Overexpression of MuHSP70 gene from Macrotyloma uniflorum confers multiple abiotic stress tolerance in transgenic Arabidopsis thaliana. <i>Molecular Biology Reports</i> , 2016, 43, 53-64.	1.0	39

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9004	Improved drought and salt tolerance of <i>Arabidopsis thaliana</i> by ectopic expression of a cotton (<i>Gossypium hirsutum</i>) CBF gene. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 583-598.	1.2	30
9005	The Transcriptional Cascade in the Heat Stress Response of <i>Arabidopsis</i> Is Strictly Regulated at the Level of Transcription Factor Expression. <i>Plant Cell</i> , 2016, 28, 181-201.	3.1	152
9006	Activation of anthocyanin biosynthesis by expression of the radish R2R3-MYB transcription factor gene RsMYB1. <i>Plant Cell Reports</i> , 2016, 35, 641-653.	2.8	73
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9010	Identification of Evening Complex Associated Proteins in <i>Arabidopsis</i> by Affinity Purification and Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 201-217.	2.5	170
9011	Overexpression of quinone reductase from <i>Salix matsudana</i> Koidz enhances salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2016, 576, 520-527.	1.0	24
9012	JAZ7 negatively regulates dark-induced leaf senescence in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 751-762.	2.4	113
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9015	BZR1 Interacts with HY5 to Mediate Brassinosteroid- and Light-Regulated Cotyledon Opening in <i>Arabidopsis</i> in Darkness. <i>Molecular Plant</i> , 2016, 9, 113-125.	3.9	99
9016	Molecular characterization and heterologous expression of a pathogen induced PR5 gene from garlic (<i>Allium sativum</i> L.) conferring enhanced resistance to necrotrophic fungi. <i>European Journal of Plant Pathology</i> , 2016, 144, 345-360.	0.8	46
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9019	Ectopic expression of UGT75D1, a glycosyltransferase preferring indole-3-butyric acid, modulates cotyledon development and stress tolerance in seed germination of <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2016, 90, 77-93.	2.0	62
9020	MutS HOMOLOG1 silencing mediates ORF220 substoichiometric shifting and causes male sterility in <i>Brassica juncea</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 435-444.	2.4	34

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9023	New member of the R2R3-MYB transcription factors family in grapevine suppresses the anthocyanin accumulation in the flowers of transgenic tobacco. <i>Plant Molecular Biology</i> , 2016, 90, 63-76.	2.0	111
9024	Target-site basis for resistance to imazethapyr in redroot amaranth (<i>Amaranthus retroflexus</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2016, 128, 10-15.	1.6	29
9025	Mutations in circularly permuted GTPase family genes AtNOA1/RIF1/SVR10 and BPG2 suppress var2-mediated leaf variegation in <i>Arabidopsis thaliana</i> . <i>Photosynthesis Research</i> , 2016, 127, 355-367.	1.6	29
9026	<i>Arabidopsis</i> KLU homologue GmCYP78A72 regulates seed size in soybean. <i>Plant Molecular Biology</i> , 2016, 90, 33-47.	2.0	84
9027	The CRISPR-Cas9 technology: Closer to the ultimate toolkit for targeted genome editing. <i>Plant Science</i> , 2016, 242, 65-76.	1.7	75
9028	Overexpression of <i>Doritaenopsis</i> Hybrid EARLY FLOWERING 4-like4 Gene, DhEFL4, Postpones Flowering in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2016, 34, 103-117.	1.0	12
9029	Delayed germination of <i>Arabidopsis</i> seeds under chilling stress by overexpressing an abiotic stress inducible GhTPS11. <i>Gene</i> , 2016, 575, 206-212.	1.0	27
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9031	Conserved Vâ€‹ATPase c subunit plays a role in plant growth by influencing Vâ€‹ATPase-dependent endosomal trafficking. <i>Plant Biotechnology Journal</i> , 2016, 14, 271-283.	4.1	35
9032	Tapetal oleosins play an essential role in tapetosome formation and protein relocation to the pollen coat. <i>New Phytologist</i> , 2016, 209, 691-704.	3.5	33
9033	Interspecies gene transfer provides soybean resistance to a fungal pathogen. <i>Plant Biotechnology Journal</i> , 2016, 14, 699-708.	4.1	39
9034	Analysis of EXO70C2 expression revealed its specific association with late stages of pollen development. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 209-215.	1.2	6
9035	Phylogenetic characterization and promoter expression analysis of a novel hybrid protein disulfide isomerase/cargo receptor subfamily unique to plants and chromalveolates. <i>Molecular Genetics and Genomics</i> , 2016, 291, 455-469.	1.0	20
9036	The <i>Arabidopsis</i> Kelch Repeat F-box E3 Ligase ARKP1 Plays a Positive Role for the Regulation of Abscisic Acid Signaling. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 582-591.	1.0	10
9037	Role of <i>Arabidopsis</i> AtPI4K ³ , a type II phosphoinositide 4-kinase, in abiotic stress responses and floral transition. <i>Plant Biotechnology Journal</i> , 2016, 14, 215-230.	4.1	24
9038	A Phytocystatin Gene from <i>Malus prunifolia</i> (Willd.) Borkh., MpCYS5, Confers Salt Stress Tolerance and Functions in Endoplasmic Reticulum Stress Response in <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2016, 34, 62-75.	1.0	7

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9040	SmARF8, a transcription factor involved in parthenocarpy in eggplant. <i>Molecular Genetics and Genomics</i> , 2016, 291, 93-105.	1.0	58
9041	Functional characterization of GhSOC1 and GhMADS42 homologs from upland cotton (<i>Gossypium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	26
9042	Functional study of a saltâ€­inducible <i>scp>TaSR</scp></i> gene in <i>Triticum aestivum</i> . <i>Physiologia Plantarum</i> , 2016, 156, 40-53.	2.6	10
9043	Increase in Salt Tolerance of <i>Arabidopsis thaliana</i> by TaDi19. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 163-171.	2.8	3
9044	A petalâ€­specific <i>In<scp>MYB</scp>1</i> promoter from Japanese morning glory: a useful tool for molecular breeding of floricultural crops. <i>Plant Biotechnology Journal</i> , 2016, 14, 354-363.	4.1	33
9045	<i>Arabidopsis</i> C3HC4â€­RING finger E3 ubiquitin ligase AtAIRP4 positively regulates stressâ€­responsive abscisic acid signaling. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 67-80.	4.1	55
9046	Overexpression of <i>Muscadinia rotundifolia</i> CBF2 gene enhances biotic and abiotic stress tolerance in <i>Arabidopsis</i> . <i>Protoplasma</i> , 2017, 254, 239-251.	1.0	29
9047	Characterisation of <i>Arabidopsis</i> calnexin 1 and calnexin 2 in the endoplasmic reticulum and at plasmodesmata. <i>Protoplasma</i> , 2017, 254, 125-136.	1.0	27
9048	In silico study on <i>Arabidopsis</i> BAG gene expression in response to environmental stresses. <i>Protoplasma</i> , 2017, 254, 409-421.	1.0	16
9049	A rapid and efficient method to study the function of crop plant transporters in <i>Arabidopsis</i> . <i>Protoplasma</i> , 2017, 254, 737-747.	1.0	4
9050	Different functions of the histone acetyltransferase HAC1 gene traced in the model species <i>Medicago truncatula</i> , <i>Lotus japonicus</i> and <i>Arabidopsis thaliana</i> . <i>Protoplasma</i> , 2017, 254, 697-711.	1.0	8
9051	Characterization of the <i>Arabidopsis thaliana</i> heme oxygenase 1 promoter in response to salinity, iron deficiency, and mercury exposure. <i>Biologia Plantarum</i> , 2017, 61, 35-47.	1.9	7
9052	The type III effector AvrXccB in <i>Xanthomonas campestris</i> pv. <i>campestris</i> targets putative methyltransferases and suppresses innate immunity in <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2017, 18, 768-782.	2.0	39
9053	Broad taxonomic characterization of <i>Verticillium</i> wilt resistance genes reveals an ancient origin of the tomato Ve1 immune receptor. <i>Molecular Plant Pathology</i> , 2017, 18, 195-209.	2.0	58
9054	Dynamic PIN-FORMED auxin efflux carrier phosphorylation at the plasma membrane controls auxin efflux-dependent growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E887-E896.	3.3	85
9055	Gain-of-Function Mutants of the Cytokinin Receptors AHK2 and AHK3 Regulate Plant Organ Size, Flowering Time and Plant Longevity. <i>Plant Physiology</i> , 2017, 173, 1783-1797.	2.3	94
9056	Endoribonuclease-Based Two-Component Repressor Systems for Tight Gene Expression Control in Plants. <i>ACS Synthetic Biology</i> , 2017, 6, 806-816.	1.9	15

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9057	A subclass of HSP70s regulate development and abiotic stress responses in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2017, 130, 349-363.	1.2	60
9058	Molecular Regulation of Temperature-Dependent Floral Induction in <i>Tulipa gesneriana</i> . <i>Plant Physiology</i> , 2017, 173, 1904-1919.	2.3	37
9059	Root diffusion barrier control by a vasculature-derived peptide binding to the SGN3 receptor. <i>Science</i> , 2017, 355, 280-284.	6.0	211
9060	<i>Arabidopsis</i> CBL-Interacting Protein Kinases Regulate Carbon/Nitrogen-Nutrient Response by Phosphorylating Ubiquitin Ligase ATL31. <i>Molecular Plant</i> , 2017, 10, 605-618.	3.9	54
9061	Silicon promotes cytokinin biosynthesis and delays senescence in <i>Arabidopsis</i> and <i>Sorghum</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 1189-1196.	2.8	101
9062	<i>Arabidopsis</i> phosphoinositide-specific phospholipase C 4 negatively regulates seedling salt tolerance. <i>Plant, Cell and Environment</i> , 2017, 40, 1317-1331.	2.8	35
9063	Glutathione peroxidase-like enzymes cover five distinct cell compartments and membrane surfaces in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 1281-1295.	2.8	69
9064	The DC domain protein VACUOLELESS GAMETOPHYTES is essential for development of female and male gametophytes in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2017, 90, 261-275.	2.8	21
9065	<i>Brassica napus</i> DS-3, encoding a DELLA protein, negatively regulates stem elongation through gibberellin signaling pathway. <i>Theoretical and Applied Genetics</i> , 2017, 130, 727-741.	1.8	62
9066	Functional Characterization of the Apple RING E3 Ligase MdMIEL1 in Transgenic <i>Arabidopsis</i> . <i>Horticultural Plant Journal</i> , 2017, 3, 53-59.	2.3	8
9067	The U6 Biogenesis-Like 1 Plays an Important Role in Maize Kernel and Seedling Development by Affecting the 3' End Processing of U6 snRNA. <i>Molecular Plant</i> , 2017, 10, 470-482.	3.9	33
9068	EXTRA-LARGE G PROTEINs Interact with E3 Ligases PUB4 and PUB2 and Function in Cytokinin and Developmental Processes. <i>Plant Physiology</i> , 2017, 173, 1235-1246.	2.3	61
9069	Multifaceted role of cycling DOF factor 3 (CDF3) in the regulation of flowering time and abiotic stress responses in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 748-764.	2.8	110
9070	Deficiency of the eIF4E isoform nCBP limits the cell-to-cell movement of a plant virus encoding triple-gene-block proteins in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2017, 7, 39678.	1.6	23
9071	Direct transcriptional activation of BT genes by NLP transcription factors is a key component of the nitrate response in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 380-386.	1.0	39
9072	Over-expression of dehydroascorbate reductase enhances oxidative stress tolerance in tobacco. <i>Electronic Journal of Biotechnology</i> , 2017, 25, 1-8.	1.2	22
9073	Expression analysis of chitinase upon challenge inoculation to <i>Alternaria</i> wounding and defense inducers in <i>Brassica juncea</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2017, 13, 72-79.	2.1	34
9074	UUAT1 Is a Golgi-Localized UDP-Uronic Acid Transporter That Modulates the Polysaccharide Composition of <i>Arabidopsis</i> Seed Mucilage. <i>Plant Cell</i> , 2017, 29, 129-143.	3.1	60

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9075	The iron-sulfur cluster biosynthesis protein <sc>SUF</sc> is required for chlorophyll synthesis, but not phytochrome signaling. <i>Plant Journal</i> , 2017, 89, 1184-1194.	2.8	39
9076	P-HYDROXYPHENYLPYRUVATE DIOXYGENASE from <i>Medicago sativa</i> is involved in vitamin E biosynthesis and abscisic acid-mediated seed germination. <i>Scientific Reports</i> , 2017, 7, 40625.	1.6	16
9077	A betaine aldehyde dehydrogenase gene from <i>Ammopiptanthus nanus</i> enhances tolerance of <i>Arabidopsis</i> to high salt and drought stresses. <i>Plant Growth Regulation</i> , 2017, 83, 265-276.	1.8	32
9078	Metal transport protein 8 in <i>Camellia sinensis</i> confers superior manganese tolerance when expressed in yeast and <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2017, 7, 39915.	1.6	32
9079	The parthenocarpic <i>hydra</i> mutant reveals a new function for a <i>SPOROXYTELESS</i>-like gene in the control of fruit set in tomato. <i>New Phytologist</i> , 2017, 214, 1198-1212.	3.5	44
9080	The <i>Arabidopsis</i> paralogs, PUB46 and PUB48, encoding U-box E3 ubiquitin ligases, are essential for plant response to drought stress. <i>BMC Plant Biology</i> , 2017, 17, 8.	1.6	45
9081	Characterization of a vacuolar H ⁺ -ATPase G subunit gene from <i>Juglans regia</i> (JrVHAG1) involved in mannitol-induced osmotic stress tolerance. <i>Plant Cell Reports</i> , 2017, 36, 407-418.	2.8	13
9082	Production of ABA responses requires both the nuclear and cytoplasmic functional involvement of PYR1. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 34-39.	1.0	7
9083	<i>Arabidopsis</i> MAPKKK18 positively regulates drought stress resistance via downstream MAPKK3. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 292-297.	1.0	85
9084	TIR-only protein RBA1 recognizes a pathogen effector to regulate cell death in <i>Arabidopsis</i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2053-E2062.	3.3	146
9085	<i>Arabidopsis</i> homologue of Scc4/MAU2 is essential for plant embryogenesis. <i>Journal of Cell Science</i> , 2017, 130, 1051-1063.	1.2	10
9086	ERAMOSA controls lateral branching in snapdragon. <i>Scientific Reports</i> , 2017, 7, 41319.	1.6	10
9087	Constitutive heterologous overexpression of a TIR-NB-ARC-LRR gene encoding a putative disease resistance protein from wild Chinese <i>Vitis pseudoreticulata</i> in <i>Arabidopsis</i> and tobacco enhances resistance to phytopathogenic fungi and bacteria. <i>Plant Physiology and Biochemistry</i> , 2017, 112, 346-361.	2.8	25
9088	Formation of the Stomatal Outer Cuticular Ledge Requires a Guard Cell Wall Proline-Rich Protein. <i>Plant Physiology</i> , 2017, 174, 689-699.	2.3	49
9089	At<i>bHLH68</i> transcription factor contributes to the regulation of <sc>ABA</sc> homeostasis and drought stress tolerance in <i>Arabidopsis thaliana</i>. <i>Physiologia Plantarum</i> , 2017, 160, 312-327.	2.6	76
9090	Molecular cloning and functional analysis of the drought tolerance gene MsHSP70 from alfalfa (<i>Medicago sativa</i> L.). <i>Journal of Plant Research</i> , 2017, 130, 387-396.	1.2	43
9091	DGE-seq analysis of MUR3-related <i>Arabidopsis</i> mutants provides insight into how dysfunctional xyloglucan affects cell elongation. <i>Plant Science</i> , 2017, 258, 156-169.	1.7	22
9092	Ectopic expression of an apple cytochrome P450 gene MdCYP1 negatively regulates plant photomorphogenesis and stress response in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 1-9.	1.0	19

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9094	Functional characterisation and cell specificity of Bv<sc>SUT</sc>1, the transporter that loads sucrose into the phloem of sugar beet (<i>Beta vulgaris</i> L.) source leaves. <i>Plant Biology</i> , 2017, 19, 315-326.	1.8	32
9095	Inhibition of cell polarity establishment in stomatal asymmetric cell division using the chemical compound bubblin. <i>Development (Cambridge)</i> , 2017, 144, 499-506.	1.2	11
9096	Rubisco small subunits from the unicellular green alga <i>Chlamydomonas</i> complement Rubisco-deficient mutants of Arabidopsis. <i>New Phytologist</i> , 2017, 214, 655-667.	3.5	62
9097	Engineering the production of conjugated fatty acids in <i>Arabidopsis thaliana</i> leaves. <i>Plant Biotechnology Journal</i> , 2017, 15, 1010-1023.	4.1	29
9098	BZR1 Positively Regulates Freezing Tolerance via CBF-Dependent and CBF-Independent Pathways in Arabidopsis. <i>Molecular Plant</i> , 2017, 10, 545-559.	3.9	262
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9101	Identification and Characterization of Arabidopsis Seed Coat Mucilage Proteins. <i>Plant Physiology</i> , 2017, 173, 1059-1074.	2.3	48
9102	Live-cell analysis of DNA methylation during sexual reproduction in <i>Arabidopsis</i> reveals context and sex-specific dynamics controlled by noncanonical RdDM. <i>Genes and Development</i> , 2017, 31, 72-83.	2.7	96
9103	The <sc>SUFBC</sc> ₂D complex is required for the biogenesis of all major classes of plastid Feâ€ proteins. <i>Plant Journal</i> , 2017, 90, 235-248.	2.8	51
9104	Calcium-dependent protein kinase <sc>CPK</sc>28 targets the methionine adenosyltransferases for degradation by the 26S proteasome and affects ethylene biosynthesis and lignin deposition in Arabidopsis. <i>Plant Journal</i> , 2017, 90, 304-318.	2.8	34
9105	Short oligogalacturonides induce pathogen resistance-associated gene expression in Arabidopsis thaliana. <i>BMC Plant Biology</i> , 2017, 17, 19.	1.6	72
9106	Characterization of Phytochrome Interacting Factors from the Moss <i>Physcomitrella patens</i> Illustrates Conservation of Phytochrome Signaling Modules in Land Plants. <i>Plant Cell</i> , 2017, 29, 310-330.	3.1	61
9107	Entire Photodamaged Chloroplasts Are Transported to the Central Vacuole by Autophagy. <i>Plant Cell</i> , 2017, 29, 377-394.	3.1	209
9108	Novel in vivo screening design for the rapid and cost-effective identification of transcriptional regulators. <i>Physiologia Plantarum</i> , 2017, 160, 2-10.	2.6	3
9109	Isolation and functional analysis of apple MdHMGR1 and MdHMGR4 gene promoters in transgenic Arabidopsis thaliana. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 129, 133-143.	1.2	9
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9113	Interacting protein partners of <i>Arabidopsis</i> RNA-binding protein AtRBP45b. <i>Plant Biology</i> , 2017, 19, 327-334.	1.8	10
9114	Loss of pollen-specific phospholipase NOT LIKE DAD triggers gynogenesis in maize. <i>EMBO Journal</i> , 2017, 36, 707-717.	3.5	197
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9116	Ectopic expression of <i>Arabidopsis</i> Target of Rapamycin (AtTOR) improves water-use efficiency and yield potential in rice. <i>Scientific Reports</i> , 2017, 7, 42835.	1.6	66
9117	Isolation and molecular characterization of pathogenesis related PR2 gene and its promoter from <i>Brassica juncea</i> . <i>Biologia Plantarum</i> , 2017, 61, 763-773.	1.9	20
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9120	The IQD Family of Calmodulin-Binding Proteins Links Calcium Signaling to Microtubules, Membrane Subdomains, and the Nucleus. <i>Plant Physiology</i> , 2017, 173, 1692-1708.	2.3	138
9121	Molecular cloning and function analysis of ClCRY1a and ClCRY1b, two genes in <i>Chrysanthemum lavandulifolium</i> that play vital roles in promoting floral transition. <i>Gene</i> , 2017, 617, 32-43.	1.0	13
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9123	<i>sgs1</i> : a neomorphic <i>nac52</i> allele impairing post-transcriptional gene silencing through <i>SGS3</i> downregulation. <i>Plant Journal</i> , 2017, 90, 505-519.	2.8	9
9124	Discovery and Characterization of the 3-Hydroxyacyl-ACP Dehydratase Component of the Plant Mitochondrial Fatty Acid Synthase System. <i>Plant Physiology</i> , 2017, 173, 2010-2028.	2.3	21
9125	Studies on suppressors of <i>sav2/shade avoidance 2</i> revealed altered interaction at the interface of α -tubulin intradimer affects microtubule dynamics. <i>Plant Growth Regulation</i> , 2017, 81, 71-79.	1.8	1
9126	<i>Botrytis</i> small RNA <i>Bc-siR37</i> suppresses plant defense genes by cross-kingdom RNAi. <i>RNA Biology</i> , 2017, 14, 421-428.	1.5	171
9127	Gametophyte Development Needs Mitochondrial Coproporphyrinogen III Oxidase Function. <i>Plant Physiology</i> , 2017, 174, 258-275.	2.3	35
9128	NADPH:protochlorophyllide oxidoreductase B (PORB) action in <i>Arabidopsis thaliana</i> revisited through transgenic expression of engineered barley PORB mutant proteins. <i>Plant Molecular Biology</i> , 2017, 94, 45-59.	2.0	11

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9129	The NAC-like transcription factor SINAC110 in foxtail millet (<i>Setaria italica</i> L.) confers tolerance to drought and high salt stress through an ABA independent signaling pathway. <i>Journal of Integrative Agriculture</i> , 2017, 16, 559-571.	1.7	17
9130	CmFTL2 is involved in the photoperiod- and sucrose-mediated control of flowering time in chrysanthemum. <i>Horticulture Research</i> , 2017, 4, 17001.	2.9	44
9131	Overexpression of <i>Populus trichocarpa</i> CYP85A3 promotes growth and biomass production in transgenic trees. <i>Plant Biotechnology Journal</i> , 2017, 15, 1309-1321.	4.1	58
9132	Manipulation of Auxin and Cytokinin Balance During the <i>Plasmodiophora brassicae</i> - <i>Arabidopsis thaliana</i> Interaction. <i>Methods in Molecular Biology</i> , 2017, 1569, 41-60.	0.4	15
9133	CMDH4 encodes a protein that is required for lead tolerance in <i>Arabidopsis</i> . <i>Plant and Soil</i> , 2017, 412, 317-330.	1.8	8
9134	Functional characterization of <i>Brassica napus</i> DNA topoisomerase $\text{II}\pm\text{-1}$ and its effect on flowering time when expressed in <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 124-129.	1.0	2
9135	Improved drought tolerance in wheat plants overexpressing a synthetic bacterial cold shock protein gene SeCspA. <i>Scientific Reports</i> , 2017, 7, 44050.	1.6	73
9136	RD26 mediates crosstalk between drought and brassinosteroid signalling pathways. <i>Nature Communications</i> , 2017, 8, 14573.	5.8	202
9137	Genome-wide screening and characterization of long non-coding RNAs involved in flowering development of trifoliate orange (<i>Poncirus trifoliata</i> L. Raf.). <i>Scientific Reports</i> , 2017, 7, 43226.	1.6	41
9138	A complex of <i>Arabidopsis</i> DRB proteins can impair dsRNA processing. <i>Rna</i> , 2017, 23, 782-797.	1.6	13
9139	Genome-wide identification and expression analysis of polyamine oxidase genes in upland cotton (<i>Gossypium hirsutum</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 129, 237-249.	1.2	21
9140	A salt-stress-regulator from the Poplar R2R3 MYB family integrates the regulation of lateral root emergence and ABA signaling to mediate salt stress tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 114, 100-110.	2.8	46
9141	Cellulose-Derived Oligomers Act as Damage-Associated Molecular Patterns and Trigger Defense-Like Responses. <i>Plant Physiology</i> , 2017, 173, 2383-2398.	2.3	198
9142	Activation of secondary cell wall biosynthesis by miR319-targeted <i>TCP4</i> transcription factor. <i>Plant Biotechnology Journal</i> , 2017, 15, 1284-1294.	4.1	68
9143	Changes in phenotype of transgenic amaranth <i>Amaranthus retroflexus</i> L., overexpressing ARGOS-LIKE gene. <i>Russian Journal of Genetics</i> , 2017, 53, 67-75.	0.2	9
9144	Molecular characterisation and functional analysis of a cytochrome P450 gene in cotton. <i>Biologia (Poland)</i> , 2017, 72, 43-52.	0.8	3
9145	SYTA has positive effects on the heat resistance of <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2017, 81, 467-476.	1.8	10
9146	Evolutionary trajectories of duplicated <i>FT</i> homologues and their roles in soybean domestication. <i>Plant Journal</i> , 2017, 90, 941-953.	2.8	43

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9147	Effects of ϵ IF ϵ iso4G1 mutation on seed oil biosynthesis. <i>Plant Journal</i> , 2017, 90, 966-978.	2.8	9
9148	Genome-wide analysis of the HD-ZIP IV transcription factor family in <i>Gossypium arboreum</i> and GaHDG11 involved in osmotic tolerance in transgenic <i>Arabidopsis</i> . <i>Molecular Genetics and Genomics</i> , 2017, 292, 593-609.	1.0	34
9149	Transcription factor NnDREB1 from lotus improved drought tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Biologia Plantarum</i> , 2017, 61, 651-658.	1.9	6
9150	Control of Amino Acid Homeostasis by a Ubiquitin Ligase-Coactivator Protein Complex. <i>Journal of Biological Chemistry</i> , 2017, 292, 3827-3840.	1.6	7
9151	SHOOT MERISTEMLESS trafficking controls axillary meristem formation, meristem size and organ boundaries in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2017, 90, 435-446.	2.8	56
9152	Overexpression of the ascorbate peroxidase gene from eggplant and sponge gourd enhances flood tolerance in transgenic <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 2017, 130, 373-386.	1.2	17
9153	HOP3, a member of the HOP family in <i>Arabidopsis</i> , interacts with BiP and plays a major role in the ER stress response. <i>Plant, Cell and Environment</i> , 2017, 40, 1341-1355.	2.8	52
9154	Overexpression of persimmon DkXTH1 enhanced tolerance to abiotic stress and delayed fruit softening in transgenic plants. <i>Plant Cell Reports</i> , 2017, 36, 583-596.	2.8	34
9155	Impact of EHB1 and AGD12 on Root and Hypocotyl Phototropism in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Growth Regulation</i> , 2017, 36, 660-668.	2.8	5
9156	Generation of genetically stable transformants by <i>Agrobacterium</i> using tomato floral buds. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 129, 299-312.	1.2	14
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9160	ABA Suppresses Root Hair Growth via the OBP4 Transcriptional Regulator. <i>Plant Physiology</i> , 2017, 173, 1750-1762.	2.3	67
9161	Functional characterization of a gibberellin receptor and its application in alfalfa biomass improvement. <i>Scientific Reports</i> , 2017, 7, 41296.	1.6	15
9162	Analysis of drought-responsive signalling network in two contrasting rice cultivars using transcriptome-based approach. <i>Scientific Reports</i> , 2017, 7, 42131.	1.6	50
9163	Overexpression of ERF96, a small ethylene response factor gene, enhances salt tolerance in <i>Arabidopsis</i> . <i>Biologia Plantarum</i> , 2017, 61, 693-701.	1.9	23
9164	The linin promoter is highly effective in enhancing punicic acid production in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2017, 36, 447-457.	2.8	8

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9165	Generalized box-plot for root growth ensembles. <i>BMC Bioinformatics</i> , 2017, 18, 65.	1.2	6
9166	Overexpression of three novel CBF transcription factors from <i>Eucalyptus globulus</i> improves cold tolerance on transgenic <i>Arabidopsis thaliana</i> . <i>Trees - Structure and Function</i> , 2017, 31, 1041-1055.	0.9	6
9167	Haploid embryo production in rice and maize induced by PsASGR-BBML transgenes. <i>Plant Reproduction</i> , 2017, 30, 41-52.	1.3	67
9168	Cassava C-repeat binding factor 1 gene responds to low temperature and enhances cold tolerance when overexpressed in <i>Arabidopsis</i> and cassava. <i>Plant Molecular Biology</i> , 2017, 94, 109-124.	2.0	34
9169	High throughput selection of antibiotic-resistant transgenic <i>Arabidopsis</i> plants. <i>Analytical Biochemistry</i> , 2017, 525, 44-45.	1.1	4
9170	Vascular plant one-zinc-finger protein 2 is localized both to the nucleus and stress granules under heat stress in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2017, 12, e1295907.	1.2	35
9171	The RopGEF2-ROP7/ROP2 Pathway Activated by phyB Suppresses Red Light-Induced Stomatal Opening. <i>Plant Physiology</i> , 2017, 174, 717-731.	2.3	21
9172	The Pepper RING-Type E3 Ligase CaAIRF1 Regulates ABA and Drought Signaling via CaADIP1 Protein Phosphatase Degradation. <i>Plant Physiology</i> , 2017, 173, 2323-2339.	2.3	56
9173	ORA59 and EIN3 interaction couples jasmonate-ethylene synergistic action to antagonistic salicylic acid regulation of PDF expression. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 275-287.	4.1	65
9174	DoGMP1 from <i>Dendrobium officinale</i> contributes to mannose content of water-soluble polysaccharides and plays a role in salt stress response. <i>Scientific Reports</i> , 2017, 7, 41010.	1.6	41
9175	Aldehyde Oxidase 4 Plays a Critical Role in Delaying Silique Senescence by Catalyzing Aldehyde Detoxification. <i>Plant Physiology</i> , 2017, 173, 1977-1997.	2.3	46
9176	The Kinase CIPK23 Inhibits Ammonium Transport in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2017, 29, 409-422.	3.1	165
9177	Identification of GT Factors in Response to Stresses and Leaf Senescence in <i>Gossypium hirsutum</i> L. <i>Journal of Plant Growth Regulation</i> , 2017, 36, 22-42.	2.8	2
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9180	Cloning and functional analysis of two GmDeg genes in soybean [<i>Glycine max</i> (L.) Merr.]. <i>Journal of Plant Biology</i> , 2017, 60, 48-56.	0.9	0
9181	Over-expression of a subunit E1 of a vacuolar H ⁺ -ATPase gene (Lm VHA-E1) cloned from the halophyte <i>Lobularia maritima</i> improves the tolerance of <i>Arabidopsis thaliana</i> to salt and osmotic stresses. <i>Environmental and Experimental Botany</i> , 2017, 137, 128-141.	2.0	37
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9184	Selective Autophagy of BES1 Mediated by DSK2 Balances Plant Growth and Survival. <i>Developmental Cell</i> , 2017, 41, 33-46.e7.	3.1	262
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9192	Prefoldins Negatively Regulate Cold Acclimation in <i>Arabidopsis thaliana</i> by Promoting Nuclear Proteasome-Mediated HY5 Degradation. <i>Molecular Plant</i> , 2017, 10, 791-804.	3.9	30
9193	Long-chain base kinase1 affects freezing tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2017, 259, 94-103.	1.7	17
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9200	Space-time analysis of gravitropism in etiolated <i>Arabidopsis</i> hypocotyls using bioluminescence imaging of the IAA19 promoter fusion with a destabilized luciferase reporter. <i>Journal of Plant Research</i> , 2017, 130, 765-777.	1.2	8

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9206	Host-delivered RNAi-mediated root-knot nematode resistance in <i>Arabidopsis</i> by targeting splicing factor and integrase genes. <i>Journal of General Plant Pathology</i> , 2017, 83, 91-97.	0.6	24
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9313	The boron transporter <i>BnaC4.BOR1;1c</i> is critical for inflorescence development and fertility under boron limitation in <i>Brassica napus</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 1819-1833.	2.8	69
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9319	A misannotated locus positively influencing <i>Arabidopsis</i> seed germination is deconvoluted using multiple methods, including surrogate splicing. <i>Plant Gene</i> , 2017, 10, 74-85.	1.4	2
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9365	Pavement cell chloroplast behaviour and interactions with other organelles in <i>Arabidopsis thaliana</i> . <i>Journal of Cell Science</i> , 2018, 131, .	1.2	52
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9380	Expressional characterization of two class I trehalose-6-phosphate synthase genes in <i>Hevea brasiliensis</i> (para rubber tree) suggests a role in rubber production. <i>New Forests</i> , 2017, 48, 513-526.	0.7	6

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9384	Functional Analysis of Cellulose Synthase (CESA) Protein Class Specificity. <i>Plant Physiology</i> , 2017, 173, 970-983.	2.3	48
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9396	Two Membrane-Anchored Aspartic Proteases Contribute to Pollen and Ovule Development. <i>Plant Physiology</i> , 2017, 173, 219-239.	2.3	44
9397	The Pentatricopeptide Repeat Protein EMB2654 Is Essential for Trans-Splicing of a Chloroplast Small Ribosomal Subunit Transcript. <i>Plant Physiology</i> , 2017, 173, 1164-1176.	2.3	52
9398	WIND1 Promotes Shoot Regeneration through Transcriptional Activation of <i>ENHANCER OF SHOOT REGENERATION1</i> in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2017, 29, 54-69.	3.1	164

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9400	Isolation and functional characterization of SVP-like genes in <i>Prunus mume</i> . <i>Scientia Horticulturae</i> , 2017, 215, 91-101.	1.7	27
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9402	Large-scale heterochromatin remodeling linked to overreplication-associated DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 406-411.	3.3	33
9403	Localization of RNS2 ribonuclease to the vacuole is required for its role in cellular homeostasis. <i>Planta</i> , 2017, 245, 779-792.	1.6	38
9404	A Novel Wheat Nicotianamine Synthase Gene, TaNAS-D, Confers High Salt Tolerance in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2017, 35, 252-264.	1.0	5
9405	An <i>Arabidopsis</i> NAC transcription factor NAC4 promotes pathogen-induced cell death under negative regulation by microRNA164. <i>New Phytologist</i> , 2017, 214, 343-360.	3.5	82
9406	<i>Arabidopsis</i> B cell lymphoma2 (Bcl2)-associated athanogene 7 (<sc>BAG</sc>7)-mediated heat tolerance requires translocation, sumoylation and binding to <sc>WRKY</sc>29. <i>New Phytologist</i> , 2017, 214, 695-705.	3.5	96
9407	Nitrogen Limitation Adaptation (<sc>NLA</sc>) is involved in source-to-sink remobilization of nitrate by mediating the degradation of <sc>NRT</sc>1.7 in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2017, 214, 734-744.	3.5	75
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9410	Functional characterization of the BnNCED3 gene in <i>Brassica napus</i> . <i>Plant Science</i> , 2017, 256, 16-24.	1.7	38
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9412	Molecular characterisation of a DREB gene from <i>Sophora moorcroftiana</i> , an endemic species of plateau. <i>Protoplasma</i> , 2017, 254, 1735-1741.	1.0	19
9413	Creation of targeted inversion mutations in plants using an RNA-guided endonuclease. <i>Crop Journal</i> , 2017, 5, 83-88.	2.3	35
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9415	Applying the INTACT method to purify endosperm nuclei and to generate parental-specific epigenome profiles. <i>Nature Protocols</i> , 2017, 12, 238-254.	5.5	56
9416	Cloning, Characterization, and Expression Analysis of a Gene Encoding a Putative Lysophosphatidic Acid Acyltransferase from Seeds of <i>Paeonia rockii</i> . <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 721-741.	1.4	6

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9418	<i>Arabidopsis</i> B-BOX32 interacts with CONSTANS-LIKE3 to regulate flowering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 172-177.	3.3	95
9419	Brassinosteroid signaling converges with SUPPRESSOR OF PHYTOCHROME B4 to influence the expression of <i>SMALL AUXIN UP RNA</i> genes and hypocotyl growth. <i>Plant Journal</i> , 2017, 89, 1133-1145.	2.8	40
9420	CNGC2 Is a Ca ²⁺ Influx Channel That Prevents Accumulation of Apoplastic Ca ²⁺ in the Leaf. <i>Plant Physiology</i> , 2017, 173, 1342-1354.	2.3	86
9421	Simultaneous stimulation of sedoheptulose 1,7-bisphosphatase, fructose 1,6-bisphosphate aldolase and the photorespiratory glycine decarboxylase-H protein increases <sc>CO</sc> ₂ assimilation, vegetative biomass and seed yield in <i>Arabidopsis</i> . <i>Plant Biotechnology Journal</i> , 2017, 15, 805-816.	4.1	162
9422	Molecular cloning and functional analysis of the phosphomannomutase (PMM) gene from <i>Dendrobium officinale</i> and evidence for the involvement of an abiotic stress response during germination. <i>Protoplasma</i> , 2017, 254, 1693-1704.	1.0	21
9423	TRANSPARENT TESTA GLABRA 1 ubiquitously regulates plant growth and development from <i>Arabidopsis</i> to foxtail millet (<i>Setaria italica</i>). <i>Plant Science</i> , 2017, 254, 60-69.	1.7	22
9424	Overexpression of the triose phosphate translocator (<sc>TPT</sc>) complements the abnormal metabolism and development of plastidial glycolytic glyceraldehyde-3-phosphate dehydrogenase mutants. <i>Plant Journal</i> , 2017, 89, 1146-1158.	2.8	20
9425	The Spindle Assembly Checkpoint in <i>Arabidopsis</i> Is Rapidly Shut Off during Severe Stress. <i>Developmental Cell</i> , 2017, 43, 172-185.e5.	3.1	61
9426	Fine-tuning of auxin homeostasis governs the transition from floral stem cell maintenance to gynoecium formation. <i>Nature Communications</i> , 2017, 8, 1125.	5.8	91
9427	The <i>Chlamydomonas mex1</i> mutant shows impaired starch mobilization without maltose accumulation. <i>Journal of Experimental Botany</i> , 2017, 68, 5177-5189.	2.4	16
9428	Deubiquitinating Enzyme OTU5 Contributes to DNA Methylation Patterns and Is Critical for Phosphate Nutrition Signals. <i>Plant Physiology</i> , 2017, 175, 1826-1838.	2.3	26
9429	Light Inhibits COP1-Mediated Degradation of ICE Transcription Factors to Induce Stomatal Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2017, 29, 2817-2830.	3.1	64
9430	Transcription Factor AsMYC2 Controls the Jasmonate-Responsive Expression of ASS1 Regulating Sesquiterpene Biosynthesis in <i>Aquilaria sinensis</i> (Lour.) Gilg. <i>Plant and Cell Physiology</i> , 2017, 58, 1924-1933.	1.5	48
9431	ADF10 shapes the overall organization of apical actin filaments by promoting their turnover and ordering in pollen tubes. <i>Journal of Cell Science</i> , 2017, 130, 3988-4001.	1.2	20
9432	Lysine acetylome profiling uncovers novel histone deacetylase substrate proteins in <i>Arabidopsis</i>. <i>Molecular Systems Biology</i> , 2017, 13, 949.	3.2	141
9433	<i>Arabidopsis</i> KHZ1 and KHZ2, two novel non-tandem CCCH zinc-finger and K-homolog domain proteins, have redundant roles in the regulation of flowering and senescence. <i>Plant Molecular Biology</i> , 2017, 95, 549-565.	2.0	65
9434	Host-Mediated <i>S</i>-Nitrosylation Disarms the Bacterial Effector HopA1 to Reestablish Immunity. <i>Plant Cell</i> , 2017, 29, 2871-2881.	3.1	23

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9437	The calcium-binding protein EpANN from the lichenized fungus <i>Endocarpon pusillum</i> enhances stress tolerance in yeast and plants. <i>Fungal Genetics and Biology</i> , 2017, 108, 36-43.	0.9	5
9438	MdHY5 positively regulates cold tolerance via CBF-dependent and CBF-independent pathways in apple. <i>Journal of Plant Physiology</i> , 2017, 218, 275-281.	1.6	56
9439	A Novel RGL2-DOF6 Complex Contributes to Primary Seed Dormancy in <i>Arabidopsis thaliana</i> by Regulating a GATA Transcription Factor. <i>Molecular Plant</i> , 2017, 10, 1307-1320.	3.9	81
9440	Activation of ZmMKK10, a maize mitogen-activated protein kinase kinase, induces ethylene-dependent cell death. <i>Plant Science</i> , 2017, 264, 129-137.	1.7	22
9441	ScDREB8, a novel A-5 type of DREB gene in the desert moss <i>Syntrichia caninervis</i> , confers salt tolerance to <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 120, 242-251.	2.8	43
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9449	Structure determination and activity manipulation of the turfgrass ABA receptor FePYR1. <i>Scientific Reports</i> , 2017, 7, 14022.	1.6	16
9450	Construction and genetic analysis of anthocyanin-deficient mutants induced by T-DNA insertion in 'Tsuda' turnip (<i>Brassica rapa</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 431-443.	1.2	1
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9452	The E3 Ligase TaSAP5 Alters Drought Stress Responses by Promoting the Degradation of DRIP Proteins. <i>Plant Physiology</i> , 2017, 175, 1878-1892.	2.3	64

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9456	Control of chrysanthemum flowering through integration with an aging pathway. <i>Nature Communications</i> , 2017, 8, 829.	5.8	114
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9467	In vivo FRET-FLIM reveals cell-type-specific protein interactions in Arabidopsis roots. <i>Nature</i> , 2017, 548, 97-102.	13.7	128
9468	Ectopic expression of <i>Mesembryanthemum crystallinum</i> sodium transporter <i>MchKT2</i> provides salt stress tolerance in <i>Arabidopsis thaliana</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 2139-2144.	0.6	11
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9486	Overexpression of herbaceous peony miR156e-3p improves anthocyanin accumulation in transgenic <i>Arabidopsis thaliana</i> lateral branches. <i>3 Biotech</i> , 2017, 7, 379.	1.1	20
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9570	An <i>Arabidopsis</i> kinase cascade influences auxin-responsive cell expansion. <i>Plant Journal</i> , 2017, 92, 68-81.	2.8	49
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9706	T-6b allocates more assimilation product for oil synthesis and less for polysaccharide synthesis during the seed development of <i>Arabidopsis thaliana</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 19.	6.2	7
9707	Identification and Functional Analysis of Two Cotton Orthologs of MAX2 Which Control Shoot Lateral Branching. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 480-490.	1.0	12
9708	Isolation and expression analysis of defensin gene and its promoter from <i>Brassica juncea</i> . <i>Journal of Plant Diseases and Protection</i> , 2017, 124, 591-600.	1.6	8
9709	Functional Dissection of the Pol V Largest Subunit CTD in RNA-Directed DNA Methylation. <i>Cell Reports</i> , 2017, 19, 2796-2808.	2.9	24
9710	Superoxide-responsive gene expression in <i>Arabidopsis thaliana</i> and <i>Zea mays</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 117, 51-60.	2.8	19
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9712	Phosphorylation and negative regulation of CONSTITUTIVELY PHOTOMORPHOGENIC 1 by PINOID in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6617-6622.	3.3	23
9713	Biphasic regulation of the transcription factor <i>ABORTED MICROSPORES</i> (<i>AMS</i>) is essential for tapetum and pollen development in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2017, 213, 778-790.	3.5	94
9714	Fruit preferential activity of the tomato RIP1 gene promoter in transgenic tomato and <i>Arabidopsis</i> . <i>Molecular Genetics and Genomics</i> , 2017, 292, 145-156.	1.0	9
9715	<i>ETHYLENE RESPONSE FACTOR 74</i> (<i>ERF74</i>) plays an essential role in controlling a respiratory burst oxidase homolog D (RbohD)-dependent mechanism in response to different stresses in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2017, 213, 1667-1681.	3.5	177
9716	Microtubule-dependent targeting of the exocyst complex is necessary for xylem development in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2017, 213, 1052-1067.	3.5	68
9717	An <i>Arabidopsis</i> ABC Transporter Mediates Phosphate Deficiency-Induced Remodeling of Root Architecture by Modulating Iron Homeostasis in Roots. <i>Molecular Plant</i> , 2017, 10, 244-259.	3.9	133
9718	Functional identification of apple MdJAZ2 in <i>Arabidopsis</i> with reduced JA-sensitivity and increased stress tolerance. <i>Plant Cell Reports</i> , 2017, 36, 255-265.	2.8	21
9719	Kelch-motif containing acyl-CoA binding proteins AtACBP4 and AtACBP5 are differentially expressed and function in floral lipid metabolism. <i>Plant Molecular Biology</i> , 2017, 93, 209-225.	2.0	30
9720	Purification of 26S Proteasomes and Their Subcomplexes from Plants. <i>Methods in Molecular Biology</i> , 2017, 1511, 301-334.	0.4	8
9721	Choline transporter-like 1 (<i>CHER1</i>) is crucial for plasmodesmata maturation in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2017, 89, 394-406.	2.8	58
9722	Ubiquitin-Proteasome Dependent Regulation of the GOLDEN2-LIKE 1 Transcription Factor in Response to Plastid Signals. <i>Plant Physiology</i> , 2017, 173, 524-535.	2.3	74
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9727	Overexpression of <i>MsDREB6.2</i> results in cytokinin-deficient developmental phenotypes and enhances drought tolerance in transgenic apple plants. <i>Plant Journal</i> , 2017, 89, 510-526.	2.8	114
9728	The Potyvirus Silencing Suppressor Protein VPg Mediates Degradation of SGS3 via Ubiquitination and Autophagy Pathways. <i>Journal of Virology</i> , 2017, 91, .	1.5	143
9729	The ABCs of flower development: mutational analysis of <i>AP1</i> / <i>FUL</i> -like genes in rice provides evidence for a homeotic (A)-function in grasses. <i>Plant Journal</i> , 2017, 89, 310-324.	2.8	76
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9731	Arabidopsis AtNAP functions as a negative regulator via repression of AREB1 in salt stress response. <i>Planta</i> , 2017, 245, 329-341.	1.6	54
9732	The targeting of starch binding domains from starch synthase III to the cell wall alters cell wall composition and properties. <i>Plant Molecular Biology</i> , 2017, 93, 121-135.	2.0	12
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9734	Overexpression of PSK1, a SKP1-like gene homologue, from <i>Paeonia suffruticosa</i> , confers salinity tolerance in Arabidopsis. <i>Plant Cell Reports</i> , 2017, 36, 151-162.	2.8	20
9735	Isolation and functional characterization of a novel stress inducible promoter from pigeonpea (<i>Cajanus cajan</i> L). <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 128, 457-468.	1.2	9
9736	Expression of <i>Bacillus thuringiensis</i> cytolytic toxin (Cyt2Ca1) in citrus roots to control <i>Diaprepes abbreviatus</i> larvae. <i>Pesticide Biochemistry and Physiology</i> , 2017, 136, 1-11.	1.6	6
9737	The class III peroxidase PRX17 is a direct target of the MADS-box transcription factor AGAMOUS-LIKE15 (AGL15) and participates in lignified tissue formation. <i>New Phytologist</i> , 2017, 213, 250-263.	3.5	88
9738	Down-regulation of <i>GIGANTEA</i> -like genes increases plant growth and salt stress tolerance in poplar. <i>Plant Biotechnology Journal</i> , 2017, 15, 331-343.	4.1	51
9739	Two spatially and temporally distinct Ca ²⁺ signals convey <i>Arabidopsis thaliana</i> responses to K ⁺ deficiency. <i>New Phytologist</i> , 2017, 213, 739-750.	3.5	88
9740	Molecular regulation and physiological functions of a novel <i>FaHsfA2c</i> cloned from tall fescue conferring plant tolerance to heat stress. <i>Plant Biotechnology Journal</i> , 2017, 15, 237-248.	4.1	58
9741	Base-pair opening dynamics of primary miR156a using NMR elucidates structural determinants important for its processing level and leaf number phenotype in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2017, 45, 875-885.	6.5	13

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9743	The Arabidopsis <i>heat-intolerant 5</i> (<i>hit5</i>)/ <i>enhanced response to aba 1</i> (<i>era1</i>) mutant reveals the crucial role of protein farnesylation in plant responses to heat stress. <i>New Phytologist</i> , 2017, 213, 1181-1193.	3.5	37
9744	Regulatory cis-elements are located in accessible promoter regions of the CAT2 promoter and affect activating histone modifications in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2017, 93, 49-60.	2.0	4
9745	Assessment of promoters and a selectable marker for development of strawberry intragenic vectors. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 128, 259-271.	1.2	10
9746	Temperature-dependent autoimmunity mediated by chs1 requires its neighboring TNL gene SOC3. <i>New Phytologist</i> , 2017, 213, 1330-1345.	3.5	55
9747	Overexpression of <i>PP2Aϵ5</i> that encodes the catalytic subunit 5 of protein phosphatase 2A in <i>Arabidopsis</i> confers better root and shoot development under salt conditions. <i>Plant, Cell and Environment</i> , 2017, 40, 150-164.	2.8	66
9748	Double overexpression of <i>DREB</i> and <i>PIF</i> transcription factors improves drought stress tolerance and cell elongation in transgenic plants. <i>Plant Biotechnology Journal</i> , 2017, 15, 458-471.	4.1	145
9749	Cyclin-dependent kinase activity enhances phosphatidylcholine biosynthesis in Arabidopsis by repressing phosphatidic acid phosphohydrolase activity. <i>Plant Journal</i> , 2017, 89, 3-14.	2.8	11
9750	Tomato SIDREB1 gene conferred the transcriptional activation of drought-induced gene and an enhanced tolerance of the transgenic Arabidopsis to drought stress. <i>Plant Growth Regulation</i> , 2017, 81, 131-145.	1.8	16
9751	Role of Glycosyltransferases in Pollen Wall Primexine Formation and Exine Patterning. <i>Plant Physiology</i> , 2017, 173, 167-182.	2.3	44
9752	Flavin Adenine Dinucleotide and N ⁵ ,N ¹⁰ -Methenyltetrahydrofolate are the <i>in planta</i> Cofactors of <i>Arabidopsis thaliana</i> Cryptochrome 3. <i>Photochemistry and Photobiology</i> , 2017, 93, 355-362.	1.3	7
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9754	Multi-step formation, evolution, and functionalization of new cytoplasmic male sterility genes in the plant mitochondrial genomes. <i>Cell Research</i> , 2017, 27, 130-146.	5.7	65
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9756	MYB transcription factor gene involved in sex determination in <i>Asparagus officinalis</i> . <i>Genes To Cells</i> , 2017, 22, 115-123.	0.5	59
9757	VPS36-Dependent Multivesicular Bodies Are Critical for Plasmamembrane Protein Turnover and Vacuolar Biogenesis. <i>Plant Physiology</i> , 2017, 173, 566-581.	2.3	39
9758	Selective gene dosage by <i>CRISPR-Cas9</i> genome editing in hexaploid <i>Camelina sativa</i> . <i>Plant Biotechnology Journal</i> , 2017, 15, 729-739.	4.1	220
9759	Systematic deletion of the ER lectin chaperone genes reveals their roles in vegetative growth and male gametophyte development in Arabidopsis. <i>Plant Journal</i> , 2017, 89, 972-983.	2.8	20

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9761	A Tightly Regulated Genetic Selection System with Signaling-Active Alleles of Phytochrome B. <i>Plant Physiology</i> , 2017, 173, 366-375.	2.3	5
9762	Natural Variation of Molecular and Morphological Gibberellin Responses. <i>Plant Physiology</i> , 2017, 173, 703-714.	2.3	16
9763	Growth increase of Arabidopsis by forced expression of rice 45S rRNA gene. <i>Plant Cell Reports</i> , 2017, 36, 243-254.	2.8	2
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9766	Phosphorylation of MAP65-1 by Arabidopsis Aurora Kinases Is Required for Efficient Cell Cycle Progression. <i>Plant Physiology</i> , 2017, 173, 582-599.	2.3	44
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9769	The SWI2/SNF2 Chromatin-Remodeling ATPase BRAHMA Regulates Chlorophyll Biosynthesis in Arabidopsis. <i>Molecular Plant</i> , 2017, 10, 155-167.	3.9	51
9770	RWP-ERK domain-containing transcription factors control cell differentiation during female gametophyte development in Arabidopsis. <i>New Phytologist</i> , 2017, 213, 1909-1924.	3.5	64
9771	CRISPR/Cas9-Induced Double-Strand Break Repair in Arabidopsis Nonhomologous End-Joining Mutants. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 193-202.	0.8	48
9772	A Conserved cis-Regulatory Module Determines Germline Fate through Activation of the Transcription Factor DUO1 Promoter. <i>Plant Physiology</i> , 2017, 173, 280-293.	2.3	16
9773	Molecular cloning and functional analysis of a flavanone 3-hydroxylase gene from blueberry. <i>Journal of Horticultural Science and Biotechnology</i> , 2017, 92, 57-64.	0.9	15
9774	A chickpea NAC-type transcription factor, CarNAC6, confers enhanced dehydration tolerance in Arabidopsis. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 83-96.	1.0	7
9775	Glycosylation of inositol phosphorylceramide sphingolipids is required for normal growth and reproduction in Arabidopsis. <i>Plant Journal</i> , 2017, 89, 278-290.	2.8	43
9776	F-Box Protein FBX92 Affects Leaf Size in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2017, 58, 962-975.	1.5	69
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9779	Genome-wide analysis of MATE transporters and molecular characterization of aluminum resistance in <i>Populus</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 5669-5683.	2.4	66
9780	<i>Arabidopsis</i> inositol polyphosphate multikinase delays flowering time through mediating transcriptional activation of FLOWERING LOCUS C. <i>Journal of Experimental Botany</i> , 2017, 68, 5787-5800.	2.4	9
9781	RNA degradation by the plant RNA exosome involves both phosphorolytic and hydrolytic activities. <i>Nature Communications</i> , 2017, 8, 2162.	5.8	44
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9784	Cold acclimation alters DNA methylation patterns and confers tolerance to heat and increases growth rate in <i>Brassica rapa</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 1213-1224.	2.4	81
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9786	Single-point ACT2 gene mutation in the <i>Arabidopsis</i> root hair mutant der1-3 affects overall actin organization, root growth and plant development. <i>Annals of Botany</i> , 2018, 122, 889-901.	1.4	15
9787	Repression of TERMINAL FLOWER1 primarily mediates floral induction in pear (<i>Pyrus pyrifolia</i> Nakai) concomitant with change in gene expression of plant hormone-related genes and transcription factors. <i>Journal of Experimental Botany</i> , 2017, 68, 4899-4914.	2.4	31
9788	A novel tetratricopeptide repeat protein, WHITE TO GREEN1, is required for early chloroplast development and affects RNA editing in chloroplasts. <i>Journal of Experimental Botany</i> , 2017, 68, 5829-5843.	2.4	19
9789	Heat-shock protein 40 is the key farnesylation target in meristem size control, abscisic acid signaling, and drought resistance. <i>Genes and Development</i> , 2017, 31, 2282-2295.	2.7	33
9790	PCH1 and PCHL promote photomorphogenesis in plants by controlling phytochrome B dark reversion. <i>Nature Communications</i> , 2017, 8, 2221.	5.8	41
9791	Overexpression of a peroxiredoxin gene from <i>Tamarix hispida</i> , ThPrx1, confers tolerance to oxidative stress in yeast and <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2017, 60, 548-557.	0.9	4
9792	Functional characterization of a type 2 metallothionein gene, SsMT2, from alkaline-tolerant <i>Suaeda salsa</i> . <i>Scientific Reports</i> , 2017, 7, 17914.	1.6	43
9793	Genetic modifications of horticultural plants by induced mutations and transgenic approach. <i>Acta Horticulturae</i> , 2017, , 219-232.	0.1	9
9794	Optimization of the pollen-tube pathway method of plant transformation using the Yellow Cameleon 3.6 calcium sensor in <i>Solanum lycopersicum</i> . <i>Biologia (Poland)</i> , 2017, 72, 1147-1155.	0.8	2
9795	Three members of <i>Medicago truncatula</i> ST family are ubiquitous during development and modulated by nutritional status (MtST1) and dehydration (MtST2 and MtST3). <i>BMC Plant Biology</i> , 2017, 17, 117.	1.6	8

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9799	DOFT and DOFTIP1 affect reproductive development in the orchid <i>Dendrobium Chao Praya Smile</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 5759-5772.	2.4	39
9800	Cgl2 plays an essential role in cuticular wax biosynthesis in cabbage (<i>Brassica oleracea</i> L. var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582	1.6	20
9801	The Arabidopsis ELP3/ELO3 and ELP4/ELO1 genes enhance disease resistance in <i>Fragaria vesca</i> L.. <i>BMC Plant Biology</i> , 2017, 17, 230.	1.6	15
9802	SKIP controls flowering time via the alternative splicing of SEF pre-mRNA in Arabidopsis. <i>BMC Biology</i> , 2017, 15, 80.	1.7	43
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9807	LkAP2L2, an AP2/ERF transcription factor gene of <i>Larix kaempferi</i> , with pleiotropic roles in plant branch and seed development. <i>Russian Journal of Genetics</i> , 2017, 53, 1335-1342.	0.2	15
9808	Production of Guide RNAs in vitro and in vivo for CRISPR Using Ribozymes and RNA Polymerase II Promoters. <i>Bio-protocol</i> , 2017, 7, .	0.2	27
9809	Effect of Constitutive miR164 Expression on Plant Morphology and Fruit Development in Arabidopsis and Tomato. <i>Agronomy</i> , 2017, 7, 48.	1.3	23
9810	Advances in Maize Transformation Technologies and Development of Transgenic Maize. <i>Frontiers in Plant Science</i> , 2016, 7, 1949.	1.7	95
9811	Intron-Mediated Enhancement: A Tool for Heterologous Gene Expression in Plants?. <i>Frontiers in Plant Science</i> , 2016, 7, 1977.	1.7	79
9812	Arabidopsis Fructokinases Are Important for Seed Oil Accumulation and Vascular Development. <i>Frontiers in Plant Science</i> , 2016, 7, 2047.	1.7	33
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9815	A Novel RNA-Binding Protein Involves ABA Signaling by Post-transcriptionally Repressing ABI2. <i>Frontiers in Plant Science</i> , 2017, 8, 24.	1.7	15
9816	Overexpression of MpCYS4, A Phytocystatin Gene from <i>Malus prunifolia</i> (Willd.) Borkh., Enhances Stomatal Closure to Confer Drought Tolerance in Transgenic <i>Arabidopsis</i> and Apple. <i>Frontiers in Plant Science</i> , 2017, 8, 33.	1.7	48
9817	Genome-Wide Identification and Characterization of SPX Domain-Containing Members and Their Responses to Phosphate Deficiency in <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 35.	1.7	31
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9819	An Efficient Visual Screen for CRISPR/Cas9 Activity in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 08, 39.	1.7	39
9820	Characterization and Ectopic Expression of CoWRI1, an AP2/EREBP Domain-Containing Transcription Factor from Coconut (<i>Cocos nucifera</i> L.) Endosperm, Changes the Seeds Oil Content in Transgenic <i>Arabidopsis thaliana</i> and Rice (<i>Oryza sativa</i> L.). <i>Frontiers in Plant Science</i> , 2017, 8, 63.	1.7	42
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9822	Ectopic Expression of the Wild Grape WRKY Transcription Factor VqWRKY52 in <i>Arabidopsis thaliana</i> Enhances Resistance to the Biotrophic Pathogen Powdery Mildew But Not to the Necrotrophic Pathogen <i>Botrytis cinerea</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 97.	1.7	45
9823	Identification of ZOUPI Orthologs in Soybean Potentially Involved in Endosperm Breakdown and Embryogenic Development. <i>Frontiers in Plant Science</i> , 2017, 8, 139.	1.7	6
9824	Function Identification of the Nucleotides in Key cis-Element of DYSFUNCTIONAL TAPETUM1 (DYT1) Promoter. <i>Frontiers in Plant Science</i> , 2017, 8, 153.	1.7	5
9825	A Cyclin Dependent Kinase Regulatory Subunit (CKS) Gene of Pigeonpea Imparts Abiotic Stress Tolerance and Regulates Plant Growth and Development in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 165.	1.7	22
9826	Molecular and Functional Characterization of Wheat ARGOS Genes Influencing Plant Growth and Stress Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 170.	1.7	20
9827	Cytochemical Localization of Polysaccharides in <i>Dendrobium officinale</i> and the Involvement of DoCSLA6 in the Synthesis of Mannan Polysaccharides. <i>Frontiers in Plant Science</i> , 2017, 8, 173.	1.7	37
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9829	The Plasma Membrane-Localized Sucrose Transporter IbSWEET10 Contributes to the Resistance of Sweet Potato to <i>Fusarium oxysporum</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 197.	1.7	58
9830	The <i>Arabidopsis</i> Lipid Transfer Protein 2 (AtLTP2) Is Involved in Cuticle-Cell Wall Interface Integrity and in Etiolated Hypocotyl Permeability. <i>Frontiers in Plant Science</i> , 2017, 8, 263.	1.7	51
9831	<i>Brachypodium distachyon</i> BdPP2CA6 Interacts with BdPYLs and BdSnRK2 and Positively Regulates Salt Tolerance in Transgenic <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 264.	1.7	36

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9833	VaERD15, a Transcription Factor Gene Associated with Cold-Tolerance in Chinese Wild <i>Vitis amurensis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 297.	1.7	32
9834	A Casein Kinase II Phosphorylation Site in AtYY1 Affects Its Activity, Stability, and Function in the ABA Response. <i>Frontiers in Plant Science</i> , 2017, 8, 323.	1.7	12
9835	AtLSG1-2 Regulates Leaf Growth by Affecting Cell Proliferation and the Onset of Endoreduplication and Synergistically Interacts with AtNMD3 during Cell Proliferation Process. <i>Frontiers in Plant Science</i> , 2017, 8, 337.	1.7	2
9836	Expression of Foreign Genes Demonstrates the Effectiveness of Pollen-Mediated Transformation in <i>Zea mays</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 383.	1.7	16
9837	Genome-Wide Identification of the MIKC-Type MADS-Box Gene Family in <i>Gossypium hirsutum</i> L. Unravels Their Roles in Flowering. <i>Frontiers in Plant Science</i> , 2017, 8, 384.	1.7	54
9838	Dihydroflavonol 4-Reductase Genes from <i>Freesia hybrida</i> Play Important and Partially Overlapping Roles in the Biosynthesis of Flavonoids. <i>Frontiers in Plant Science</i> , 2017, 8, 428.	1.7	45
9839	Cucumber CsBPCs Regulate the Expression of CsABI3 during Seed Germination. <i>Frontiers in Plant Science</i> , 2017, 8, 459.	1.7	14
9840	The Kinase Activity of Calcineurin B-like Interacting Protein Kinase 26 (CIPK26) Influences Its Own Stability and that of the ABA-regulated Ubiquitin Ligase, Keep on Going (KEG). <i>Frontiers in Plant Science</i> , 2017, 8, 502.	1.7	18
9841	The Translation Initiation Factor 1A (ThelF1A) from <i>Tamarix hispida</i> Is Regulated by a Dof Transcription Factor and Increased Abiotic Stress Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 513.	1.7	17
9842	Ancient Plant Glyoxylate/Succinic Semialdehyde Reductases: GLYR1s Are Cytosolic, Whereas GLYR2s Are Localized to Both Mitochondria and Plastids. <i>Frontiers in Plant Science</i> , 2017, 8, 601.	1.7	15
9843	Overexpression of a Tartary Buckwheat Gene, FtbHLH3, Enhances Drought/Oxidative Stress Tolerance in Transgenic <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 625.	1.7	60
9844	ThNAC13, a NAC Transcription Factor from <i>Tamarix hispida</i> , Confers Salt and Osmotic Stress Tolerance to Transgenic <i>Tamarix</i> and <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 635.	1.7	92
9845	The Pepper RING Finger E3 Ligase, CaDIR1, Regulates the Drought Stress Response via ABA-Mediated Signaling. <i>Frontiers in Plant Science</i> , 2017, 8, 690.	1.7	16
9846	Expression of Key Structural Genes of the Phenylpropanoid Pathway Associated with Catechin Epimerization in Tea Cultivars. <i>Frontiers in Plant Science</i> , 2017, 8, 702.	1.7	11
9847	A Novel Wheat C-bZIP Gene, TabZIP14-B, Participates in Salt and Freezing Tolerance in Transgenic Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 710.	1.7	46
9848	Chloroplast ATP Synthase Modulation of the Thylakoid Proton Motive Force: Implications for Photosystem I and Photosystem II Photoprotection. <i>Frontiers in Plant Science</i> , 2017, 8, 719.	1.7	120
9849	SHB1/HY1 Alleviates Excess Boron Stress by Increasing BOR4 Expression Level and Maintaining Boron Homeostasis in <i>Arabidopsis</i> Roots. <i>Frontiers in Plant Science</i> , 2017, 8, 790.	1.7	20

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9850	The Role of SHI/STY/SRS Genes in Organ Growth and Carpel Development Is Conserved in the Distant Eudicot Species <i>Arabidopsis thaliana</i> and <i>Nicotiana benthamiana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 814.	1.7	51
9851	CML20, an <i>Arabidopsis</i> Calmodulin-like Protein, Negatively Regulates Guard Cell ABA Signaling and Drought Stress Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 824.	1.7	62
9852	The Ectopic Overexpression of the Cotton Ve1 and Ve2-Homolog Sequences Leads to Resistance Response to <i>Verticillium Wilt</i> in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 844.	1.7	23
9853	Polycomb Group Proteins RING1A and RING1B Regulate the Vegetative Phase Transition in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 867.	1.7	32
9854	Proteomic Analysis of Lipid Droplets from <i>Arabidopsis</i> Aging Leaves Brings New Insight into Their Biogenesis and Functions. <i>Frontiers in Plant Science</i> , 2017, 8, 894.	1.7	78
9855	Genome-Wide Analysis of the RAV Family in Soybean and Functional Identification of GmRAV-03 Involvement in Salt and Drought Stresses and Exogenous ABA Treatment. <i>Frontiers in Plant Science</i> , 2017, 8, 905.	1.7	73
9856	Altered Expression of OsNLA1 Modulates Pi Accumulation in Rice (<i>Oryza sativa</i> L.) Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 928.	1.7	9
9857	Genome-Wide Identification of AP2/ERF Transcription Factors in Cauliflower and Expression Profiling of the ERF Family under Salt and Drought Stresses. <i>Frontiers in Plant Science</i> , 2017, 8, 946.	1.7	66
9858	MAT1, a Novel Protein Involved in the Regulation of Herbivore-Associated Signaling Pathways. <i>Frontiers in Plant Science</i> , 2017, 8, 975.	1.7	42
9859	RRP42, a Subunit of Exosome, Plays an Important Role in Female Gametophytes Development and Mesophyll Cell Morphogenesis in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 981.	1.7	13
9860	Genes of ACYL CARRIER PROTEIN Family Show Different Expression Profiles and Overexpression of ACYL CARRIER PROTEIN 5 Modulates Fatty Acid Composition and Enhances Salt Stress Tolerance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 987.	1.7	52
9861	ANGUSTIFOLIA, a Plant Homolog of CtBP/BARS Localizes to Stress Granules and Regulates Their Formation. <i>Frontiers in Plant Science</i> , 2017, 8, 1004.	1.7	33
9862	Overexpressing the <i>Sedum alfredii</i> Cu/Zn Superoxide Dismutase Increased Resistance to Oxidative Stress in Transgenic <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1010.	1.7	73
9863	Identification of Genes Associated with Lemon Floral Transition and Flower Development during Floral Inductive Water Deficits: A Hypothetical Model. <i>Frontiers in Plant Science</i> , 2017, 8, 1013.	1.7	32
9864	Once for All: A Novel Robust System for Co-expression of Multiple Chimeric Fluorescent Fusion Proteins in Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1071.	1.7	5
9865	Cloning and Functional Analysis of MADS-box Genes, TaAG-A and TaAG-B, from a Wheat K-type Cytoplasmic Male Sterile Line. <i>Frontiers in Plant Science</i> , 2017, 8, 1081.	1.7	13
9866	Molecular Characterization of MYB28 Involved in Aliphatic Glucosinolate Biosynthesis in Chinese Kale (<i>Brassica oleracea</i> var. <i>alboglabra</i> Bailey). <i>Frontiers in Plant Science</i> , 2017, 8, 1083.	1.7	36
9867	Tissue-Specific Regulation of Gma-miR396 Family on Coordinating Development and Low Water Availability Responses. <i>Frontiers in Plant Science</i> , 2017, 8, 1112.	1.7	28

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9868	Characterization of BiP Genes from Pepper (<i>Capsicum annuum</i> L.) and the Role of CaBiP1 in Response to Endoplasmic Reticulum and Multiple Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2017, 8, 1122.	1.7	27
9869	Functional Characterization of TaFUSCA3, a B3-Superfamily Transcription Factor Gene in the Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 1133.	1.7	32
9870	Gateway-Compatible CRISPR-Cas9 Vectors and a Rapid Detection by High-Resolution Melting Curve Analysis. <i>Frontiers in Plant Science</i> , 2017, 8, 1171.	1.7	15
9871	Genome-Wide Identification and Functional Analysis of the Calcineurin B-like Protein and Calcineurin B-like Protein-Interacting Protein Kinase Gene Families in Turnip (<i>Brassica rapa</i> var. <i>rapa</i>). <i>Frontiers in Plant Science</i> , 2017, 8, 1191.	1.7	39
9872	Conserved Function of Fibrillin5 in the Plastoquinone-9 Biosynthetic Pathway in Arabidopsis and Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1197.	1.7	18
9873	Antarctic Moss Multiprotein Bridging Factor 1c Overexpression in Arabidopsis Resulted in Enhanced Tolerance to Salt Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 1206.	1.7	32
9874	<i>Arabidopsis thaliana</i> mTERF10 and mTERF11, but Not mTERF12, Are Involved in the Response to Salt Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 1213.	1.7	29
9875	Tyrosine-610 in the Receptor Kinase BAK1 Does Not Play a Major Role in Brassinosteroid Signaling or Innate Immunity. <i>Frontiers in Plant Science</i> , 2017, 8, 1273.	1.7	5
9876	Conserved Function of ACYL-ACYL CARRIER PROTEIN DESATURASE 5 on Seed Oil and Oleic Acid Biosynthesis between <i>Arabidopsis thaliana</i> and <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1319.	1.7	10
9877	The Second Intron Is Essential for the Transcriptional Control of the <i>Arabidopsis thaliana</i> GLABRA3 Gene in Leaves. <i>Frontiers in Plant Science</i> , 2017, 8, 1382.	1.7	9
9878	Plant Glyoxylate/Succinic Semialdehyde Reductases: Comparative Biochemical Properties, Function during Chilling Stress, and Subcellular Localization. <i>Frontiers in Plant Science</i> , 2017, 8, 1399.	1.7	21
9879	Functional Analysis of the Pepper Ethylene-Responsive Transcription Factor, CaAIEF1, in Enhanced ABA Sensitivity and Drought Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 1407.	1.7	26
9880	Functional Disruption of a Chloroplast Pseudouridine Synthase Desensitizes Arabidopsis Plants to Phosphate Starvation. <i>Frontiers in Plant Science</i> , 2017, 8, 1421.	1.7	14
9881	Autophagy Is Rapidly Induced by Salt Stress and Is Required for Salt Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1459.	1.7	102
9882	Overexpression of <i>Hevea brasiliensis</i> HbICE1 Enhances Cold Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1462.	1.7	31
9883	Purification of Maize Nucleotide Pyrophosphatase/Phosphodiesterase Casts Doubt on the Existence of Zeatin Cis-Trans Isomerase in Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1473.	1.7	20
9884	The Latex Protein MLX56 from Mulberry (<i>Morus multicaulis</i>) Protects Plants against Insect Pests and Pathogens. <i>Frontiers in Plant Science</i> , 2017, 8, 1475.	1.7	15
9885	Overexpression of PvPin1, a Bamboo Homolog of PIN1-Type Parvulin 1, Delays Flowering Time in Transgenic Arabidopsis and Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1526.	1.7	27

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9886	AtOMA1 Affects the OXPPOS System and Plant Growth in Contrast to Other Newly Identified ATP-Independent Proteases in Arabidopsis Mitochondria. <i>Frontiers in Plant Science</i> , 2017, 8, 1543.	1.7	17
9887	Genome-Wide Identification and Characterization of BrrTCP Transcription Factors in <i>Brassica rapa</i> ssp. <i>rapa</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1588.	1.7	32
9888	Comprehensive Analysis of DWARF14-LIKE2 (DLK2) Reveals Its Functional Divergence from Strigolactone-Related Paralogs. <i>Frontiers in Plant Science</i> , 2017, 8, 1641.	1.7	61
9889	Cytosolic and Nucleosolic Calcium Signaling in Response to Osmotic and Salt Stresses Are Independent of Each Other in Roots of Arabidopsis Seedlings. <i>Frontiers in Plant Science</i> , 2017, 8, 1648.	1.7	40
9890	An NAM Domain Gene, GhNAC79, Improves Resistance to Drought Stress in Upland Cotton. <i>Frontiers in Plant Science</i> , 2017, 8, 1657.	1.7	32
9891	The Peach RGF/GLV Signaling Peptide pCTG134 Is Involved in a Regulatory Circuit That Sustains Auxin and Ethylene Actions. <i>Frontiers in Plant Science</i> , 2017, 8, 1711.	1.7	9
9892	Redundant CARG Box Cis-motif Activity Mediates SHATTERPROOF2 Transcriptional Regulation during Arabidopsis thaliana Gynoecium Development. <i>Frontiers in Plant Science</i> , 2017, 8, 1712.	1.7	10
9893	ALA6, a P4-type ATPase, Is Involved in Heat Stress Responses in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2017, 8, 1732.	1.7	27
9894	Identification of Mshsp20 Gene Family in <i>Malus sieversii</i> and Functional Characterization of Mshsp16.9 in Heat Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 1761.	1.7	31
9895	Characterization and Functional Analysis of a Type 2 Diacylglycerol Acyltransferase (DGAT2) Gene from Oil Palm (<i>Elaeis guineensis</i> Jacq.) Mesocarp in <i>Saccharomyces cerevisiae</i> and Transgenic Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2017, 8, 1791.	1.7	25
9896	VvVHP1; 2 Is Transcriptionally Activated by VvMYBA1 and Promotes Anthocyanin Accumulation of Grape Berry Skins via Glucose Signal. <i>Frontiers in Plant Science</i> , 2017, 8, 1811.	1.7	18
9897	Genome-Wide Identification and Expression, Protein-Protein Interaction and Evolutionary Analysis of the Seed Plant-Specific BIG GRAIN and BIG GRAIN LIKE Gene Family. <i>Frontiers in Plant Science</i> , 2017, 8, 1812.	1.7	11
9898	Involvement of PACLOBUTRAZOL RESISTANCE6/KIDARI, an Atypical bHLH Transcription Factor, in Auxin Responses in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1813.	1.7	36
9899	The Rice High-Affinity K ⁺ Transporter OsHKT2;4 Mediates Mg ²⁺ Homeostasis under High-Mg ²⁺ Conditions in Transgenic Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1823.	1.7	13
9900	The Arabidopsis Cysteine-Rich Receptor-Like Kinase CRK36 Regulates Immunity through Interaction with the Cytoplasmic Kinase BIK1. <i>Frontiers in Plant Science</i> , 2017, 8, 1856.	1.7	95
9901	Multiple Copies of a Simple MYB-Binding Site Confers Trans-regulation by Specific Flavonoid-Related R2R3 MYBs in Diverse Species. <i>Frontiers in Plant Science</i> , 2017, 8, 1864.	1.7	38
9902	OsARM1, an R2R3 MYB Transcription Factor, Is Involved in Regulation of the Response to Arsenic Stress in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1868.	1.7	150
9903	Accession-Dependent CBF Gene Deletion by CRISPR/Cas System in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1910.	1.7	17

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9904	The Kinase ERULUS Controls Pollen Tube Targeting and Growth in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1942.	1.7	31
9905	Functional and Structural Characterization of a Receptor-Like Kinase Involved in Germination and Cell Expansion in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1999.	1.7	9
9906	Mutations in the <i>Arabidopsis</i> AtMRS2-11/AtMGT10/VAR5 Gene Cause Leaf Reticulation. <i>Frontiers in Plant Science</i> , 2017, 8, 2007.	1.7	32
9907	miR160 and miR166/165 Contribute to the LEC2-Mediated Auxin Response Involved in the Somatic Embryogenesis Induction in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2024.	1.7	75
9908	Unravelling Protein-Protein Interaction Networks Linked to Aliphatic and Indole Glucosinolate Biosynthetic Pathways in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2028.	1.7	21
9909	Overexpression of TaWRKY146 Increases Drought Tolerance through Inducing Stomatal Closure in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2036.	1.7	49
9910	XAP5 CIRCADIAN TIMEKEEPER Positively Regulates RESISTANCE TO POWDERY MILDEW8.1â€“Mediated Immunity in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2044.	1.7	8
9911	Identification, Validation and Utilization of Novel Nematode-Responsive Root-Specific Promoters in <i>Arabidopsis</i> for Inducing Host-Delivered RNAi Mediated Root-Knot Nematode Resistance. <i>Frontiers in Plant Science</i> , 2017, 8, 2049.	1.7	22
9912	Ectopic Expression of Pumpkin NAC Transcription Factor CmNAC1 Improves Multiple Abiotic Stress Tolerance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2052.	1.7	38
9913	N-Terminus-Mediated Degradation of ACS7 Is Negatively Regulated by Senescence Signaling to Allow Optimal Ethylene Production during Leaf Development in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2066.	1.7	20
9914	Characterization of UGT716A1 as a Multi-substrate UDP:Flavonoid Glucosyltransferase Gene in <i>Ginkgo biloba</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2085.	1.7	24
9915	Elongated Hypocotyl 5-Homolog (HYH) Negatively Regulates Expression of the Ambient Temperature-Responsive MicroRNA Gene MIR169. <i>Frontiers in Plant Science</i> , 2017, 8, 2087.	1.7	13
9916	AT2G21280 Only Has a Minor Role in Chloroplast Division. <i>Frontiers in Plant Science</i> , 2017, 8, 2095.	1.7	6
9917	Overexpression of <i>Jatropha</i> Gibberellin 2-oxidase 6 (JcGA2ox6) Induces Dwarfism and Smaller Leaves, Flowers and Fruits in <i>Arabidopsis</i> and <i>Jatropha</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2103.	1.7	46
9918	At5g19540 Encodes a Novel Protein That Affects Pigment Metabolism and Chloroplast Development in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2140.	1.7	9
9919	Genome-Wide Identification and Expression Profiling of ATP-Binding Cassette (ABC) Transporter Gene Family in Pineapple (<i>Ananas comosus</i> (L.) Merr.) Reveal the Role of AcABCG38 in Pollen Development. <i>Frontiers in Plant Science</i> , 2017, 8, 2150.	1.7	56
9920	RPS9M, a Mitochondrial Ribosomal Protein, Is Essential for Central Cell Maturation and Endosperm Development in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2171.	1.7	9
9921	<i>Arabidopsis</i> Calmodulin-Like Proteins, CML15 and CML16 Possess Biochemical Properties Distinct from Calmodulin and Show Non-overlapping Tissue Expression Patterns. <i>Frontiers in Plant Science</i> , 2017, 8, 2175.	1.7	23

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9922	Arabidopsis AMINO ACID PERMEASE1 Contributes to Salt Stress-Induced Proline Uptake from Exogenous Sources. <i>Frontiers in Plant Science</i> , 2017, 8, 2182.	1.7	37
9923	BnDGAT1s Function Similarly in Oil Deposition and Are Expressed with Uniform Patterns in Tissues of <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2205.	1.7	7
9924	Gibberellin 2-Oxidase Genes from Satsuma Mandarin (<i>Citrus unshiu</i>, Marc.) Caused Late Flowering and Dwarfism in Transgenic <i>Arabidopsis</i>. <i>Horticulture Journal</i> , 2017, 86, 183-193.	0.3	6
9925	Functional divergence of chloroplast Cpn60± subunits during <i>Arabidopsis</i> embryo development. <i>PLoS Genetics</i> , 2017, 13, e1007036.	1.5	35
9926	Overexpression of the endoplasmic reticulum stress-inducible gene <i>TIN1</i> causes abnormal pollen surface morphology in <i>Arabidopsis</i> . <i>Plant Biotechnology</i> , 2017, 34, 173-176.	0.5	7
9927	<i>Arabidopsis</i> E3 Ubiquitin Ligases PUB22 and PUB23 Negatively Regulate Drought Tolerance by Targeting ABA Receptor PYL9 for Degradation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1841.	1.8	78
9928	SlBIR3 Negatively Regulates PAMP Responses and Cell Death in Tomato. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1966.	1.8	9
9929	Cold Treatment Induces Transient Mitochondrial Fragmentation in <i>Arabidopsis thaliana</i> in a Way that Requires DRP3A but not ELM1 or an ELM1-Like Homologue, ELM2. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2161.	1.8	15
9930	Evolutionary Conserved Cysteines Function as cis-Acting Regulators of <i>Arabidopsis</i> PIN-FORMED 2 Distribution. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2274.	1.8	28
9931	Glucosinolate-Derived Isothiocyanates Inhibit <i>Arabidopsis</i> Growth and the Potency Depends on Their Side Chain Structure. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2372.	1.8	34
9932	PrLPAAT4, a Putative Lysophosphatidic Acid Acyltransferase from <i>Paeonia rockii</i> , Plays an Important Role in Seed Fatty Acid Biosynthesis. <i>Molecules</i> , 2017, 22, 1694.	1.7	7
9933	An Improved Syringe Agroinfiltration Protocol to Enhance Transformation Efficiency by Combinative Use of 5-Azacytidine, Ascorbate Acid and Tween-20. <i>Plants</i> , 2017, 6, 9.	1.6	58
9934	Identification of novel factors that increase enzymatic saccharification efficiency in <i>Arabidopsis</i> wood cells. <i>Plant Biotechnology</i> , 2017, 34, 203-206.	0.5	13
9935	Functional Analysis of Two Flavanone-3-Hydroxylase Genes from <i>Camellia sinensis</i> : A Critical Role in Flavonoid Accumulation. <i>Genes</i> , 2017, 8, 300.	1.0	52
9936	Isolation and Characterization of Ftsz Genes in Cassava. <i>Genes</i> , 2017, 8, 391.	1.0	3
9937	Comprehensive Analysis of Rice Laccase Gene (OsLAC) Family and Ectopic Expression of OsLAC10 Enhances Tolerance to Copper Stress in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 209.	1.8	101
9938	<i>Arabidopsis</i> RabF1 (ARA6) Is Involved in Salt Stress and Dark-Induced Senescence (DIS). <i>International Journal of Molecular Sciences</i> , 2017, 18, 309.	1.8	17
9939	Subcellular Localization of <i>Arabidopsis</i> Pathogenesis-Related 1 (PR1) Protein. <i>International Journal of Molecular Sciences</i> , 2017, 18, 825.	1.8	52

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9940	The Arabidopsis GPR1 Gene Negatively Affects Pollen Germination, Pollen Tube Growth, and Gametophyte Senescence. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1303.	1.8	18
9941	The SBP-Box Gene VpSBP11 from Chinese Wild Vitis Is Involved in Floral Transition and Affects Leaf Development. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1493.	1.8	13
9942	Overexpression of OsCIPK30 Enhances Plant Tolerance to Rice stripe virus. <i>Frontiers in Microbiology</i> , 2017, 8, 2322.	1.5	13
9943	Fimbrins 4 and 5 Act Synergistically During Polarized Pollen Tube Growth to Ensure Fertility in Arabidopsis. <i>Plant and Cell Physiology</i> , 2017, 58, 2006-2016.	1.5	13
9944	ATP sensing in living plant cells reveals tissue gradients and stress dynamics of energy physiology. <i>ELife</i> , 2017, 6, .	2.8	125
9945	Tissue culture-based Agrobacterium-mediated and in planta transformation methods. <i>Czech Journal of Genetics and Plant Breeding</i> , 2017, 53, 133-143.	0.4	31
9946	Sucrose supplementation suppressed the growth inhibition in polyhydroxyalkanoate-producing plants. <i>Plant Biotechnology</i> , 2017, 34, 39-43.	0.5	2
9947	The Protease Inhibitor CI2c Gene Induced by Bird Cherry-Oat Aphid in Barley Inhibits Green Peach Aphid Fecundity in Transgenic Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1317.	1.8	13
9948	Characterization of the Dioscorin Gene Family in Dioscorea alata Reveals a Role in Tuber Development and Environmental Response. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1579.	1.8	11
9949	The Solanum lycopersicum WRKY3 Transcription Factor SlWRKY3 Is Involved in Salt Stress Tolerance in Tomato. <i>Frontiers in Plant Science</i> , 2017, 8, 1343.	1.7	89
9950	Expression of the Grape VaSTS19 Gene in Arabidopsis Improves Resistance to Powdery Mildew and Botrytis cinerea but Increases Susceptibility to Pseudomonas syringae pv Tomato DC3000. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2000.	1.8	16
9951	Two Novel Vesicle-Inducing Proteins in Plastids 1 Genes Cloned and Characterized in Triticum urartu. <i>PLoS ONE</i> , 2017, 12, e0170439.	1.1	8
9952	Functional Characterization of Cotton GaMYB62L, a Novel R2R3 TF in Transgenic Arabidopsis. <i>PLoS ONE</i> , 2017, 12, e0170578.	1.1	23
9953	PnLRR-RLK27, a novel leucine-rich repeats receptor-like protein kinase from the Antarctic moss Pohlia nutans, positively regulates salinity and oxidation-stress tolerance. <i>PLoS ONE</i> , 2017, 12, e0172869.	1.1	33
9954	Effects of over-expressing a native gene encoding 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS) on glyphosate resistance in Arabidopsis thaliana. <i>PLoS ONE</i> , 2017, 12, e0175820.	1.1	14
9955	Development of an R4 dual-site (R4DS) gateway cloning system enabling the efficient simultaneous cloning of two desired sets of promoters and open reading frames in a binary vector for plant research. <i>PLoS ONE</i> , 2017, 12, e0177889.	1.1	6
9956	Distinctive features and differential regulation of the DRTS genes of Arabidopsis thaliana. <i>PLoS ONE</i> , 2017, 12, e0179338.	1.1	5
9957	An essential role for the VASt domain of the Arabidopsis VAD1 protein in the regulation of defense and cell death in response to pathogens. <i>PLoS ONE</i> , 2017, 12, e0179782.	1.1	23

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9958	PLATINUM SENSITIVE 2 LIKE impacts growth, root morphology, seed set, and stress responses. PLoS ONE, 2017, 12, e0180478.	1.1	13
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9960	The riddle of mitochondrial alkaline/neutral invertases: A novel Arabidopsis isoform mainly present in reproductive tissues and involved in root ROS production. PLoS ONE, 2017, 12, e0185286.	1.1	13
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9962	Identification and characterization of CONSTANS-like (COL) gene family in upland cotton (<i>Gossypium</i>) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.1	26
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9980	Isolation and characterization of a promoter responsive to salt, osmotic and dehydration stresses in soybean. <i>Genetics and Molecular Biology</i> , 2017, 40, 226-237.	0.6	25
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9982	Brassinosteroid-Induced Transcriptional Repression and Dephosphorylation-Dependent Protein Degradation Negatively Regulate BIN2-Interacting AIF2 (a BR Signaling-Negative Regulator) bHLH Transcription Factor. <i>Plant and Cell Physiology</i> , 2017, 58, pcw223.	1.5	29
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9987	Phospholipase D γ assists to cortical microtubule recovery after salt stress. <i>Protoplasma</i> , 2018, 255, 1195-1204.	1.0	15
9988	Functional analysis of a grape WRKY30 gene in drought resistance. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 132, 449-459.	1.2	21
9989	STRESS INDUCED FACTOR 2, a Leucine-Rich Repeat Kinase Regulates Basal Plant Pathogen Defense. <i>Plant Physiology</i> , 2018, 176, 3062-3080.	2.3	49
9990	A MITE Insertion in the Promoter Region of Anthocyanidin Synthase from <i>Morus alba</i> L.. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 188-194.	1.0	3
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9995	<i>Arabidopsis</i> <i>HIPP27</i> is a host susceptibility gene for the beet cyst nematode <i>Heterodera schachtii</i> . <i>Molecular Plant Pathology</i> , 2018, 19, 1917-1928.	2.0	38
9996	OST-mediated BTF 3L phosphorylation positively regulates CBF s during plant cold responses. <i>EMBO Journal</i> , 2018, 37, .	3.5	134
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10001	A dual role for proline iminopeptidase in the regulation of bacterial motility and host immunity. <i>Molecular Plant Pathology</i> , 2018, 19, 2011-2024.	2.0	12
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10005	Distinct transgenic effects of poplar TDIF genes on vascular development in Arabidopsis. <i>Plant Cell Reports</i> , 2018, 37, 799-808.	2.8	7
10006	The Auxin-Regulated CrRLK1L Kinase ERULUS Controls Cell Wall Composition during Root Hair Tip Growth. <i>Current Biology</i> , 2018, 28, 722-732.e6.	1.8	113
10007	True gene-targeting events by CRISPR/Cas-induced DSB repair of the PPO locus with an ectopically integrated repair template. <i>Scientific Reports</i> , 2018, 8, 3338.	1.6	40
10008	Distribution, mobility, and anchoring of lignin-related oxidative enzymes in Arabidopsis secondary cell walls. <i>Journal of Experimental Botany</i> , 2018, 69, 1849-1859.	2.4	71
10009	Longevity in vivo of primary cell wall cellulose synthases. <i>Plant Molecular Biology</i> , 2018, 96, 279-289.	2.0	18
10010	Effects of GhWUS from upland cotton (<i>Gossypium hirsutum</i> L.) on somatic embryogenesis and shoot regeneration. <i>Plant Science</i> , 2018, 270, 157-165.	1.7	35
10011	Modulation of Plant Salicylic Acid-Associated Immune Responses via Glycosylation of Dihydroxybenzoic Acids. <i>Plant Physiology</i> , 2018, 176, 3103-3119.	2.3	88

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10013	Overexpression of RcFUSCA3, a B3 transcription factor from the PLB in <i>Rosa canina</i> , activates starch accumulation and induces male sterility in <i>Arabidopsis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 133, 87-101.	1.2	5
10014	1/2-Cyanoalanine Synthase Action in Root Hair Elongation is Exerted at Early Steps of the Root Hair Elongation Pathway and is Independent of Direct Cyanide Inactivation of NADPH Oxidase. <i>Plant and Cell Physiology</i> , 2018, 59, 1072-1083.	1.5	27
10015	Roles of AGCVIII Kinases in the Hypocotyl Phototropism of <i>Arabidopsis</i> Seedlings. <i>Plant and Cell Physiology</i> , 2018, 59, 1060-1071.	1.5	30
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10017	Host-mediated RNA interference targeting a cuticular protein gene impaired fecundity in the green peach aphid <i>Myzus persicae</i> . <i>Pest Management Science</i> , 2018, 74, 2059-2068.	1.7	31
10018	Spatial specificity of auxin responses coordinates wood formation. <i>Nature Communications</i> , 2018, 9, 875.	5.8	110
10019	Subcellular Compartmentation of Alternatively Spliced Transcripts Defines <i>SERINE/ARGININE-RICH PROTEIN30</i> Expression. <i>Plant Physiology</i> , 2018, 176, 2886-2903.	2.3	37
10020	<i>Vacuolar Protein Sorting 26C</i> encodes an evolutionarily conserved large retromer subunit in eukaryotes that is important for root hair growth in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 94, 595-611.	2.8	20
10021	TET-mediated epimutagenesis of the <i>Arabidopsis thaliana</i> methylome. <i>Nature Communications</i> , 2018, 9, 895.	5.8	44
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10023	SELENOPROTEIN O is a chloroplast protein involved in ROS scavenging and its absence increases dehydration tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 270, 278-291.	1.7	15
10024	Screening <i>Arabidopsis thaliana</i> mutants for low sensitivity to manganese identifies novel alleles of NRAMP1 and PGSIP6. <i>Journal of Experimental Botany</i> , 2018, 69, 1795-1803.	2.4	8
10025	Phosphite-Mediated Suppression of Anthocyanin Accumulation Regulated by Mitochondrial ATP Synthesis and Sugars in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 1158-1169.	1.5	19
10026	The effects of AtRad52 overexpression on homologous recombination in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 95, 30-40.	2.8	3
10027	<i>Arabidopsis</i> phospholipase D1 and D2 oppositely modulate EDS1- and SA-independent basal resistance against adapted powdery mildew. <i>Journal of Experimental Botany</i> , 2018, 69, 3675-3688.	2.4	23
10028	A conserved RxLR effector interacts with host RABA type GTPases to inhibit vesicle-mediated secretion of antimicrobial proteins. <i>Plant Journal</i> , 2018, 95, 187-203.	2.8	42
10029	The Receptor-Like Kinase AtVRLK1 Regulates Secondary Cell Wall Thickening. <i>Plant Physiology</i> , 2018, 177, 671-683.	2.3	52

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10032	Variable Effects of C-Terminal Fusions on FLS2 Function: Not All Epitope Tags Are Created Equal. <i>Plant Physiology</i> , 2018, 177, 522-531.	2.3	13
10033	Identification of Functional Single-Nucleotide Polymorphisms Affecting Leaf Hair Number in <i>Brassica rapa</i> . <i>Plant Physiology</i> , 2018, 177, 490-503.	2.3	19
10034	Vacuolar H ⁺ -Pyrophosphatase and Cytosolic Soluble Pyrophosphatases Cooperatively Regulate Pyrophosphate Levels in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2018, 30, 1040-1061.	3.1	44
10035	A WRKY transcription factor, PcWRKY33, from <i>Polygonum cuspidatum</i> reduces salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2018, 37, 1033-1048.	2.8	44
10036	The AP2/ERF transcription factor CmERF053 of chrysanthemum positively regulates shoot branching, lateral root, and drought tolerance. <i>Plant Cell Reports</i> , 2018, 37, 1049-1060.	2.8	40
10037	The Pentatricopeptide Repeat Protein SOT5/EMB2279 Is Required for Plastid <i>rpl2</i> and <i>trnK</i> Intron Splicing. <i>Plant Physiology</i> , 2018, 177, 684-697.	2.3	41
10038	Successive duplication-divergence mechanisms at the <i>RCO</i> locus contributed to leaf shape diversity in the Brassicaceae. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	11
10039	PsnERF75 Transcription Factor from <i>Populus simonii</i> — <i>P. nigra</i> Confers Salt Tolerance in Transgenic <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2018, 61, 61-71.	0.9	11
10040	Seed-specific overexpression of AtFAX1 increases seed oil content in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 370-375.	1.0	32
10041	Identification of <i>Morus notabilis</i> MADS-box genes and elucidation of the roles of MnMADS33 during endodormancy. <i>Scientific Reports</i> , 2018, 8, 5860.	1.6	17
10042	Photoinducible DRONPA: a new tool for investigating cell-cell connectivity. <i>Plant Journal</i> , 2018, 94, 751-766.	2.8	25
10043	<i>Arabidopsis</i> : the original plant chassis organism. <i>Plant Cell Reports</i> , 2018, 37, 1359-1366.	2.8	14
10044	Two Abscisic Acid-Responsive Plastid Lipase Genes Involved in Jasmonic Acid Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2018, 30, 1006-1022.	3.1	94
10045	Transcription factor RD26 is a key regulator of metabolic reprogramming during dark-induced senescence. <i>New Phytologist</i> , 2018, 218, 1543-1557.	3.5	65
10046	A chromatin loop represses <i>WUSCHEL</i> expression in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 94, 1083-1097.	2.8	53
10047	A molecular network for functional versatility of HECATE transcription factors. <i>Plant Journal</i> , 2018, 95, 57-70.	2.8	20

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10049	Functionally redundant LNG3 and LNG4 genes regulate turgor-driven polar cell elongation through activation of XTH17 and XTH24. <i>Plant Molecular Biology</i> , 2018, 97, 23-36.	2.0	27
10050	The antagonistic basic helix-loop-helix partners BEE and IBH1 contribute to control plant tolerance to abiotic stress. <i>Plant Science</i> , 2018, 271, 143-150.	1.7	17
10051	Selective Targeting of Mobile mRNAs to Plasmodesmata for Cell-to-Cell Movement. <i>Plant Physiology</i> , 2018, 177, 604-614.	2.3	50
10052	The YTH Domain Protein ECT2 Is an m ⁶ A Reader Required for Normal Trichome Branching in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 986-1005.	3.1	186
10053	EAR1 Negatively Regulates ABA Signaling by Enhancing 2C Protein Phosphatase Activity. <i>Plant Cell</i> , 2018, 30, 815-834.	3.1	111
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10055	<i>Arabidopsis thaliana</i> <i>SOBER</i> 1 (<i>SUPPRESSOR OF AVR</i> BST- <i>ELICITED</i>) Tj ETQq1 1 0.784314 rgB effectors. <i>New Phytologist</i> , 2018, 219, 324-335.	3.5	13
10056	The <i>PP2A</i> interactor <i>TIP</i> 41 modulates <i>ABA</i> responses in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 94, 991-1009.	2.8	28
10057	Sorting of <i>Arabidopsis</i> NRAMP3 and NRAMP4 depends on adaptor protein complex AP4 and a dileucine-based motif. <i>Traffic</i> , 2018, 19, 503-521.	1.3	19
10058	Biology in Bloom: A Primer on the <i>Arabidopsis thaliana</i> Model System. <i>Genetics</i> , 2018, 208, 1337-1349.	1.2	38
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10061	Beclin1 restricts RNA virus infection in plants through suppression and degradation of the viral polymerase. <i>Nature Communications</i> , 2018, 9, 1268.	5.8	113
10062	Gain-of-function mutation of AtDICE1, encoding a putative endoplasmic reticulum-localized membrane protein, causes defects in anisotropic cell elongation by disturbing cell wall integrity in Arabidopsis. <i>Annals of Botany</i> , 2018, 122, 151-164.	1.4	13
10063	The Linker Histone GH1-HMGA1 Is Involved in Telomere Stability and DNA Damage Repair. <i>Plant Physiology</i> , 2018, 177, 311-327.	2.3	14
10064	RecQ Helicases Function in Development, DNA Repair, and Gene Targeting in <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2018, 30, 717-736.	3.1	44
10065	Repression of Nitrogen Starvation Responses by Members of the Arabidopsis GARP-Type Transcription Factor NIGT1/HRS1 Subfamily. <i>Plant Cell</i> , 2018, 30, 925-945.	3.1	143

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10069	<sc>CRISPR</sc>/Cas9-mediated resistance to cauliflower mosaic virus. Plant Direct, 2018, 2, e00047.	0.8	61
10070	Isolation and identification of two new alleles of STICHEL in Arabidopsis. Biochemical and Biophysical Research Communications, 2018, 499, 605-610.	1.0	2
10071	The SWI/SNF subunit SWI3B regulates IAMT1 expression via chromatin remodeling in Arabidopsis leaf development. Plant Science, 2018, 271, 127-132.	1.7	10
10072	The <i>Arabidopsis</i> catalase triple mutant reveals important roles of catalases and peroxisome-derived signaling in plant development. Journal of Integrative Plant Biology, 2018, 60, 591-607.	4.1	80
10073	Cytosolic invertases contribute to cellulose biosynthesis and influence carbon partitioning in seedlings of <i>Arabidopsis thaliana</i>. Plant Journal, 2018, 94, 956-974.	2.8	52
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10075	The SINAC8 gene of the halophyte Suaeda liaotungensis enhances drought and salt stress tolerance in transgenic Arabidopsis thaliana. Gene, 2018, 662, 10-20.	1.0	41
10076	A NIGT1-centred transcriptional cascade regulates nitrate signalling and incorporates phosphorus starvation signals in Arabidopsis. Nature Communications, 2018, 9, 1376.	5.8	202
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10081	A mechanistic framework for auxin dependent Arabidopsis root hair elongation to low external phosphate. Nature Communications, 2018, 9, 1409.	5.8	146
10082	Identification and Functional Characterization of R3 MYB Transcription Factor Genes in Soybean. Journal of Plant Biology, 2018, 61, 85-96.	0.9	5
10083	The Receptor-like Cytoplasmic Kinase BIK1 Localizes to the Nucleus and Regulates Defense Hormone Expression during Plant Innate Immunity. Cell Host and Microbe, 2018, 23, 485-497.e5.	5.1	92

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10085	ECD1 functions as an RNA-editing trans-factor of rps14-149 in plastids and is required for early chloroplast development in seedlings. <i>Journal of Experimental Botany</i> , 2018, 69, 3037-3051.	2.4	36
10086	Arabidopsis Aspartic Protease ASPG1 Affects Seed Dormancy, Seed Longevity and Seed Germination. <i>Plant and Cell Physiology</i> , 2018, 59, 1415-1431.	1.5	29
10087	An m ⁶ A-YTH Module Controls Developmental Timing and Morphogenesis in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 952-967.	3.1	187
10088	Functional characterization of the gene promoter for an <i>Elaeis guineensis</i> phosphate starvation-inducible, high affinity phosphate transporter in both homologous and heterologous model systems. <i>Plant Physiology and Biochemistry</i> , 2018, 127, 320-335.	2.8	10
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10090	LLM-Domain B-GATA Transcription Factors Play Multifaceted Roles in Controlling Greening in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 582-599.	3.1	46
10091	Calcium imaging in <i>Arabidopsis</i> pollen cells using Ca ²⁺ CaMP5. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 897-906.	4.1	29
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10094	GTL1 and DF1 regulate root hair growth through transcriptional repression of <i>ROOT HAIR DEFECTIVE 6-LIKE 4</i> in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2018, 145, .	1.2	63
10095	A CsMYB6-CsTRY module regulates fruit trichome initiation in cucumber. <i>Journal of Experimental Botany</i> , 2018, 69, 1887-1902.	2.4	59
10096	Pathogen Trojan Horse Delivers Bioactive Host Protein to Alter Maize Anther Cell Behavior in Situ. <i>Plant Cell</i> , 2018, 30, 528-542.	3.1	23
10097	Generative Cell Specification Requires Transcription Factors Evolutionarily Conserved in Land Plants. <i>Current Biology</i> , 2018, 28, 479-486.e5.	1.8	87
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10099	A cold-induced pectin methyl-esterase inhibitor gene contributes negatively to freezing tolerance but positively to salt tolerance in Arabidopsis. <i>Journal of Plant Physiology</i> , 2018, 222, 67-78.	1.6	37
10100	Nucleo-cytosolic Shuttling of ARGONAUTE1 Prompts a Revised Model of the Plant MicroRNA Pathway. <i>Molecular Cell</i> , 2018, 69, 709-719.e5.	4.5	193
10101	The A/ENTH Domain-Containing Protein AtECA4 Is an Adaptor Protein Involved in Cargo Recycling from the trans-Golgi Network/Early Endosome to the Plasma Membrane. <i>Molecular Plant</i> , 2018, 11, 568-583.	3.9	19

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10103	Overexpression of lily HsfA3s in Arabidopsis confers increased thermotolerance and salt sensitivity via alterations in proline catabolism. <i>Journal of Experimental Botany</i> , 2018, 69, 2005-2021.	2.4	61
10104	KNAT7 positively regulates xylan biosynthesis by directly activating <i>IRX9</i> expression in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2018, 60, 514-528.	4.1	38
10105	<i>RAF2</i> is a RuBisCO assembly factor in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 94, 146-156.	2.8	22
10106	<i>Arabidopsis</i> glutamate:glyoxylate aminotransferase 1 (Ler) mutants generated by CRISPR/Cas9 and their characteristics. <i>Transgenic Research</i> , 2018, 27, 61-74.	1.3	6
10107	Hydrogen Sulfide Increases Production of NADPH Oxidase-Dependent Hydrogen Peroxide and Phospholipase D-Derived Phosphatidic Acid in Guard Cell Signaling. <i>Plant Physiology</i> , 2018, 176, 2532-2542.	2.3	115
10108	An auxin-induced β -type endo-1,4- β -glucanase in poplar is involved in cell expansion and lateral root formation. <i>Planta</i> , 2018, 247, 1149-1161.	1.6	8
10109	RAP2.6L and jasmonic acid-responsive genes are expressed upon Arabidopsis hypocotyl grafting but are not needed for cell proliferation related to healing. <i>Plant Molecular Biology</i> , 2018, 96, 531-542.	2.0	23
10110	Ectopic expression of <i>StCBF1</i> and <i>ScCBF1</i> have different functions in response to freezing and drought stresses in Arabidopsis. <i>Plant Science</i> , 2018, 270, 221-233.	1.7	25
10111	Morphological and physiological changes, and the functional analysis of <i>PdSPL9</i> in the juvenile-to-adult phase transition of <i>paeonia delavayi</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 133, 325-337.	1.2	15
10112	Transgenic expression of plant-specific insert of potato aspartic proteases (<i>StAP-PSI</i>) confers enhanced resistance to <i>Botrytis cinerea</i> in <i>Arabidopsis thaliana</i> . <i>Phytochemistry</i> , 2018, 149, 1-11.	1.4	18
10113	The plant-specific histone residue Phe41 is important for genome-wide H3.1 distribution. <i>Nature Communications</i> , 2018, 9, 630.	5.8	27
10114	A defensin-like protein drives cadmium efflux and allocation in rice. <i>Nature Communications</i> , 2018, 9, 645.	5.8	263
10115	Targeted DNA demethylation of the <i>Arabidopsis</i> genome using the human TET1 catalytic domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2125-E2134.	3.3	190
10116	Function and molecular regulation of <i>DWARF1</i> as a C-24 reductase in brassinosteroid biosynthesis in Arabidopsis. <i>Journal of Experimental Botany</i> , 2018, 69, 1873-1886.	2.4	45
10117	Plastid Translation Elongation Factor Tu Is Prone to Heat-Induced Aggregation Despite Its Critical Role in Plant Heat Tolerance. <i>Plant Physiology</i> , 2018, 176, 3027-3045.	2.3	41
10118	Identifying the target genes of <i>SUPPRESSOR OF GAMMA RESPONSE 1</i> , a master transcription factor controlling DNA damage response in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 94, 439-453.	2.8	127
10119	Bioresources and Technologies That Accelerate Biomass Research. , 2018, , 341-356.		1

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10121	An evolutionarily conserved NIMA-related kinase directs rhizoid tip growth in the basal land plant <i>Marchantia polymorpha</i> . <i>Development (Cambridge)</i> , 2018, 145, .	1.2	30
10122	Purification and functional characterization of the vacuolar malate transporter tDT from Arabidopsis. <i>Journal of Biological Chemistry</i> , 2018, 293, 4180-4190.	1.6	24
10123	Stress-Inducible Galactinol Synthase of Chickpea (CaGolS) is Implicated in Heat and Oxidative Stress Tolerance Through Reducing Stress-Induced Excessive Reactive Oxygen Species Accumulation. <i>Plant and Cell Physiology</i> , 2018, 59, 155-166.	1.5	76
10124	Fine-Tuning of Photosynthesis Requires CURVATURE THYLAKOID1-Mediated Thylakoid Plasticity. <i>Plant Physiology</i> , 2018, 176, 2351-2364.	2.3	46
10125	Control of Retrograde Signaling by Rapid Turnover of GENOMES UNCOUPLED1. <i>Plant Physiology</i> , 2018, 176, 2472-2495.	2.3	71
10126	AUXIN RESPONSE FACTOR3 Regulates Floral Meristem Determinacy by Repressing Cytokinin Biosynthesis and Signaling. <i>Plant Cell</i> , 2018, 30, 324-346.	3.1	89
10127	Evolutionary diversification of galactinol synthases in Rosaceae: adaptive roles of galactinol and raffinose during apple bud dormancy. <i>Journal of Experimental Botany</i> , 2018, 69, 1247-1259.	2.4	33
10128	The Arabidopsis NLP7 gene regulates nitrate signaling via NRT1.1-dependent pathway in the presence of ammonium. <i>Scientific Reports</i> , 2018, 8, 1487.	1.6	62
10129	Expression of MdCCD7 in the scion determines the extent of sylleptic branching and the primary shoot growth rate of apple trees. <i>Journal of Experimental Botany</i> , 2018, 69, 2379-2390.	2.4	18
10130	AtCAP2 is crucial for lytic vacuole biogenesis during germination by positively regulating vacuolar protein trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1675-E1683.	3.3	13
10131	Autophagy controls resource allocation and protein storage accumulation in Arabidopsis seeds. <i>Journal of Experimental Botany</i> , 2018, 69, 1403-1414.	2.4	64
10132	BES1 and BZR1 Redundantly Promote Phloem and Xylem Differentiation. <i>Plant and Cell Physiology</i> , 2018, 59, 590-600.	1.5	67
10133	The S-Type Anion Channel ZmSLAC1 Plays Essential Roles in Stomatal Closure by Mediating Nitrate Efflux in Maize. <i>Plant and Cell Physiology</i> , 2018, 59, 614-623.	1.5	24
10134	Plasma membrane proteome analysis identifies a role of barley membrane steroid binding protein in root architecture response to salinity. <i>Plant, Cell and Environment</i> , 2018, 41, 1311-1330.	2.8	36
10135	Small rubber particle proteins from <i>Taraxacum brevicorniculatum</i> promote stress tolerance and influence the size and distribution of lipid droplets and artificial poly(<i>cis</i> -1,4-isoprene) bodies. <i>Plant Journal</i> , 2018, 93, 1045-1061.	2.8	25
10136	Suppression of <i>DELLA</i> signaling induces procambial cell formation in culture. <i>Plant Journal</i> , 2018, 94, 48-59.	2.8	13
10137	The GARP/MYB-related grape transcription factor AQUILO improves cold tolerance and promotes the accumulation of raffinose family oligosaccharides. <i>Journal of Experimental Botany</i> , 2018, 69, 1749-1764.	2.4	74

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10138	A toolkit for studying cellular reorganization during early embryogenesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 93, 963-976.	2.8	26
10139	Interplay between cytochrome <i>c</i> and gibberellins during <i>Arabidopsis</i> vegetative development. <i>Plant Journal</i> , 2018, 94, 105-121.	2.8	17
10140	The <i>Arabidopsis</i> COPII components, AtSEC23A and AtSEC23D, are essential for pollen wall development and exine patterning. <i>Journal of Experimental Botany</i> , 2018, 69, 1615-1633.	2.4	26
10141	Vacuolar Protein Degradation via Autophagy Provides Substrates to Amino Acid Catabolic Pathways as an Adaptive Response to Sugar Starvation in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 1363-1376.	1.5	49
10142	CELLULASE6 and MANNANASE7 Affect Cell Differentiation and Silique Dehiscence. <i>Plant Physiology</i> , 2018, 176, 2186-2201.	2.3	26
10143	GIF Transcriptional Coregulators Control Root Meristem Homeostasis. <i>Plant Cell</i> , 2018, 30, 347-359.	3.1	41
10144	Mitogen activated protein kinase 6 and MAP kinase phosphatase 1 are involved in the response of <i>Arabidopsis</i> roots to l-glutamate. <i>Plant Molecular Biology</i> , 2018, 96, 339-351.	2.0	10
10145	<i>FCS</i> -like zinc finger 6 and 10 repress <i>SnRK1</i> signalling in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 94, 232-245.	2.8	55
10146	<i>Arabidopsis</i> replication factor C4 is critical for <i>DNA</i> replication during the mitotic cell cycle. <i>Plant Journal</i> , 2018, 94, 288-303.	2.8	28
10147	Overexpression of AtWRKY50 is correlated with enhanced production of sinapic derivatives in <i>Arabidopsis</i> . <i>Metabolomics</i> , 2018, 14, 25.	1.4	6
10148	<i>Arabidopsis thaliana</i> Trihelix Transcription Factor AST1 Mediates Salt and Osmotic Stress Tolerance by Binding to a Novel AGAG-Box and Some GT Motifs. <i>Plant and Cell Physiology</i> , 2018, 59, 946-965.	1.5	49
10149	Genetic control of meristem arrest and life span in <i>Arabidopsis</i> by a FRUITFULL-APETALA2 pathway. <i>Nature Communications</i> , 2018, 9, 565.	5.8	98
10150	Identification and functional characterisation of an allene oxide synthase from grapevine (<i>Vitis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 26	1.0	21
10151	Truncated BAM receptors interfere the apical meristematic activity in a dominant negative manner when ectopically expressed in <i>Arabidopsis</i> . <i>Plant Science</i> , 2018, 269, 20-31.	1.7	2
10152	Phytic acid transport in <i>Phaseolus vulgaris</i> : A new low phytic acid mutant in the PvMRP1 gene and study of the PvMRPs promoters in two different plant systems. <i>Plant Science</i> , 2018, 270, 1-12.	1.7	39
10153	Functional analysis of an APETALA1-like MADS box gene from <i>Eustoma grandiflorum</i> in regulating floral transition and formation. <i>Plant Biotechnology Reports</i> , 2018, 12, 115-125.	0.9	7
10154	SIP1, a novel SOS2 interaction protein, is involved in salt-stress tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 124, 167-174.	2.8	12
10155	Evidence for parent-of-origin effects and interparental conflict in seeds of an ancient flowering plant lineage. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172491.	1.2	25

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10156	Ectopic expression of the LoERF017 transcription factor from <i>Larix olgensis</i> Henry enhances salt and osmotic-stress tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology Reports</i> , 2018, 12, 93-104.	0.9	13
10157	Two citrate transporters coordinately regulate citrate secretion from rice bean root tip under aluminum stress. <i>Plant, Cell and Environment</i> , 2018, 41, 809-822.	2.8	45
10158	Effect of amino acid substitution of CAPRICE on cell-to-cell movement ability in <i>Arabidopsis</i> root epidermis. <i>Developmental Biology</i> , 2018, 435, 1-5.	0.9	5
10159	Control of proline accumulation under drought via a novel pathway comprising the histone methylase CAU1 and the transcription factor ANAC055. <i>Journal of Experimental Botany</i> , 2018, 69, 579-588.	2.4	64
10160	Control of auxin-induced callus formation by bZIP59â€‘LBD complex in <i>Arabidopsis</i> regeneration. <i>Nature Plants</i> , 2018, 4, 108-115.	4.7	100
10161	The common bean COKâ€‘4 and the <i>Arabidopsis</i> FER kinase domain share similar functions in plant growth and defence. <i>Molecular Plant Pathology</i> , 2018, 19, 1765-1778.	2.0	7
10162	<i>Tulipa gesneriana</i> and <i>Lilium longiflorum</i> PEBP Genes and Their Putative Roles in Flowering Time Control. <i>Plant and Cell Physiology</i> , 2018, 59, 90-106.	1.5	39
10163	Bromodomain proteins GTE9 and GTE11 are essential for specific BT2-mediated sugar and ABA responses in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2018, 96, 393-402.	2.0	30
10164	Transcriptional stimulation of rate-limiting components of the autophagic pathway improves plant fitness. <i>Journal of Experimental Botany</i> , 2018, 69, 1415-1432.	2.4	120
10165	Na ⁺ ,K ⁺ /H ⁺ antiporters regulate the pH of endoplasmic reticulum and auxinâ€‘mediated development. <i>Plant, Cell and Environment</i> , 2018, 41, 850-864.	2.8	19
10166	Phalaenopsis flowering locus VE regulates floral organ maturation. <i>Plant Cell Reports</i> , 2018, 37, 467-482.	2.8	9
10167	<i>CsLFY</i> is required for shoot meristem maintenance via interaction with <i>WUSCHEL</i> in cucumber (<i>Cucumis sativus</i>). <i>New Phytologist</i> , 2018, 218, 344-356.	3.5	49
10168	SODIUM POTASSIUM ROOT DEFECTIVE1 regulates FLOWERING LOCUS T expression via the microRNA156â€‘SQUAMOSA PROMOTER BINDING PROTEIN-LIKE3 module in response to potassium conditions. <i>Plant and Cell Physiology</i> , 2018, 59, 404-413.	1.5	19
10169	Two mulberry phytochelatin synthase genes confer zinc/cadmium tolerance and accumulation in transgenic <i>Arabidopsis</i> and tobacco. <i>Gene</i> , 2018, 645, 95-104.	1.0	70
10170	Ectopic expression of <i>Vicia sativa</i> Caffeoyl-CoA O -methyltransferase (VsCCoAOMT) increases the uptake and tolerance of cadmium in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2018, 145, 47-53.	2.0	38
10171	The Asparagine-Rich Protein NRP Facilitates the Degradation of the PP6-type Phosphatase FyPP3 to Promote ABA Response in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2018, 11, 257-268.	3.9	7
10172	Vacuole Integrity Maintained by DUF300 Proteins Is Required for Brassinosteroid Signaling Regulation. <i>Molecular Plant</i> , 2018, 11, 553-567.	3.9	18
10173	Characterization of a SUPERMAN-like Gene, MdSUP11, in apple (<i>Malus domestica</i> Borkh.). <i>Plant Physiology and Biochemistry</i> , 2018, 125, 136-142.	2.8	5

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10174	Functional characterization of a heterologously expressed <i>Brassica napus</i> WRKY41-1 transcription factor in regulating anthocyanin biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 268, 47-53.	1.7	90
10175	Ectopic overexpression of maize heat shock transcription factor gene <i>ZmHsf04</i> confers increased thermo and salt-stress tolerance in transgenic <i>Arabidopsis</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	54
10176	<i>Arabidopsis</i> ARGONAUTE 1 Binds Chromatin to Promote Gene Transcription in Response to Hormones and Stresses. <i>Developmental Cell</i> , 2018, 44, 348-361.e7.	3.1	121
10177	<i>Arabidopsis</i> <sc>ACYL</sc>â€<sc>COA</sc>â€<sc>BINDING PROTEIN</sc>1 interacts with <sc>STEROL</sc> C4â€<sc>METHYL OXIDASE</sc>1â€2 to modulate gene expression of homeodomainâ€leucine zipper <sc>IV</sc> transcription factors. <i>New Phytologist</i> , 2018, 218, 183-200.	3.5	30
10178	<i>Arabidopsis thaliana</i> rapid alkalization factor 1â€mediated root growth inhibition is dependent on calmodulin-like protein 38. <i>Journal of Biological Chemistry</i> , 2018, 293, 2159-2171.	1.6	33
10179	Enhanced multiple stress tolerance in <i>Arabidopsis</i> by overexpression of the polar moss peptidyl prolyl isomerase FKBP12 gene. <i>Plant Cell Reports</i> , 2018, 37, 453-465.	2.8	37
10180	Over-expression of the CHS gene enhances resistance of <i>Arabidopsis</i> leaves to high light. <i>Environmental and Experimental Botany</i> , 2018, 154, 33-43.	2.0	40
10181	The B-Box Domain Protein BBX21 Promotes Photomorphogenesis. <i>Plant Physiology</i> , 2018, 176, 2365-2375.	2.3	78
10182	Trithoraxâ€group proteins ARABIDOPSIS TRITHORAX4 (ATX4) and <sc>ATX</sc>5 function in abscisic acid and dehydration stress responses. <i>New Phytologist</i> , 2018, 217, 1582-1597.	3.5	59
10183	Nonredundant functions of <i>Arabidopsis</i> Lec<sc>RK</sc>â€V.2 and Lec<sc>RK</sc>â€<sc>VII</sc>.1 in controlling stomatal immunity and jasmonateâ€mediated stomatal closure. <i>New Phytologist</i> , 2018, 218, 253-268.	3.5	29
10184	GsSLAH3, a <i>Glycine soja</i> slow type anion channel homolog, positively modulates plant bicarbonate stress tolerance. <i>Physiologia Plantarum</i> , 2018, 164, 145-162.	2.6	12
10185	An apple NAC transcription factor negatively regulates cold tolerance via CBF-dependent pathway. <i>Journal of Plant Physiology</i> , 2018, 221, 74-80.	1.6	93
10186	Kinase MPK17 and the Peroxisome Division Factor PMD1 Influence Salt-induced Peroxisome Proliferation. <i>Plant Physiology</i> , 2018, 176, 340-351.	2.3	26
10187	The microtubule-associated RING finger protein 1 (OsMAR1) acts as a negative regulator for salt-stress response through the regulation of OCPI2 (<i>O. sativa</i> chymotrypsin protease inhibitor 2). <i>Planta</i> , 2018, 247, 875-886.	1.6	21
10188	An atypical R2R3 <sc>MYB</sc> transcription factor increases cold hardiness by <sc>CBF</sc>â€dependent and <sc>CBF</sc>â€independent pathways in apple. <i>New Phytologist</i> , 2018, 218, 201-218.	3.5	217
10189	Expression profiles of five FT-like genes and functional analysis of PhFT-1 in a <i>Phalaenopsis</i> hybrid. <i>Electronic Journal of Biotechnology</i> , 2018, 31, 75-83.	1.2	11
10190	Three Fatty Acyl-Coenzyme A Reductases, BdFAR1, BdFAR2 and BdFAR3, are Involved in Cuticular Wax Primary Alcohol Biosynthesis in <i>Brachypodium distachyon</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 527-543.	1.5	24
10191	PWWP-DOMAIN INTERACTOR OF POLYCOMBS1 Interacts with Polycomb-Group Proteins and Histones and Regulates <i>Arabidopsis</i> Flowering and Development. <i>Plant Cell</i> , 2018, 30, 117-133.	3.1	48

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10193	ERF transcription factors involved in salt response in tomato. <i>Plant Growth Regulation</i> , 2018, 84, 573-582.	1.8	22
10194	Verification of DNA motifs in <i>Arabidopsis</i> using CRISPR/Cas9-mediated mutagenesis. <i>Plant Biotechnology Journal</i> , 2018, 16, 1446-1451.	4.1	19
10195	Over-expression of a grafting-responsive gene from hickory increases abiotic stress tolerance in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2018, 37, 541-552.	2.8	17
10196	The novel transcription factor TRP interacts with ZFP5, a trichome initiation-related transcription factor, and negatively regulates trichome initiation through gibberellic acid signaling. <i>Plant Molecular Biology</i> , 2018, 96, 315-326.	2.0	15
10197	pTAC10, an S1-domain-containing component of the transcriptionally active chromosome complex, is essential for plastid gene expression in <i>Arabidopsis thaliana</i> and is phosphorylated by chloroplast-targeted casein kinase II. <i>Photosynthesis Research</i> , 2018, 137, 69-83.	1.6	17
10198	Broad-specificity amino acid racemase, a novel non-antibiotic selectable marker for transgenic plants. <i>Plant Biotechnology Reports</i> , 2018, 12, 27-38.	0.9	2
10199	Transcriptome profiling during mangrove viviparity in response to abscisic acid. <i>Scientific Reports</i> , 2018, 8, 770.	1.6	48
10200	Overexpression of the tonoplast sugar transporter CmTST2 in melon fruit increases sugar accumulation. <i>Journal of Experimental Botany</i> , 2018, 69, 511-523.	2.4	77
10201	Genome-Wide Identification of <i>Arabidopsis</i> LBD29 Target Genes Reveals the Molecular Events behind Auxin-Induced Cell Reprogramming during Callus Formation. <i>Plant and Cell Physiology</i> , 2018, 59, 749-760.	1.5	49
10202	Salicylic Acid and Jasmonic Acid Pathways are Activated in Spatially Different Domains Around the Infection Site During Effector-Triggered Immunity in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 8-16.	1.5	153
10203	Sugar Transporter STP7 Specificity for l-Arabinose and d-Xylose Contrasts with the Typical Hexose Transporters STP8 and STP12. <i>Plant Physiology</i> , 2018, 176, 2330-2350.	2.3	59
10204	The major effect quantitative trait locus <i>CsARN6.1</i> encodes an AAA ATPase domain-containing protein that is associated with waterlogging stress tolerance by promoting adventitious root formation. <i>Plant Journal</i> , 2018, 93, 917-930.	2.8	57
10205	Plant synthetic GP4 and GP5 proteins from porcine reproductive and respiratory syndrome virus elicit immune responses in pigs. <i>Planta</i> , 2018, 247, 973-985.	1.6	5
10206	<i>Arabidopsis</i> MKK10-MPK6 mediates red-light-regulated opening of seedling cotyledons through phosphorylation of PIF3. <i>Journal of Experimental Botany</i> , 2018, 69, 423-439.	2.4	31
10207	<i>Arabidopsis</i> Phospholipase C3 is Involved in Lateral Root Initiation and ABA Responses in Seed Germination and Stomatal Closure. <i>Plant and Cell Physiology</i> , 2018, 59, 469-486.	1.5	39
10208	WRKY71 Acts Antagonistically Against Salt-Delayed Flowering in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 414-422.	1.5	47
10209	Overexpression of Seipin1 Increases Oil in Hydroxy Fatty Acid-Accumulating Seeds. <i>Plant and Cell Physiology</i> , 2018, 59, 205-214.	1.5	18

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10210	Expression and functional analysis of two <i>PsbS</i> genes in bamboo (<i>Phyllostachys</i>) Tj ETQq0 0 0 rgBT/Overlock 3 10 Tf 50 7	2.6	3
10211	Variation in Splicing Efficiency Underlies Morphological Evolution in <i>Capsella</i> . <i>Developmental Cell</i> , 2018, 44, 192-203.e5.	3.1	17
10212	STOREKEEPER RELATED1/G-Element Binding Protein (STKR1) Interacts with Protein Kinase SnRK1. <i>Plant Physiology</i> , 2018, 176, 1773-1792.	2.3	31
10213	Transcriptome and Metabolic Profiling Provides Insights into Betalain Biosynthesis and Evolution in <i>Mirabilis jalapa</i> . <i>Molecular Plant</i> , 2018, 11, 189-204.	3.9	76
10214	Pi starvation-dependent regulation of ethanolamine metabolism by phosphoethanolamine phosphatase PECP1 in <i>Arabidopsis</i> roots. <i>Journal of Experimental Botany</i> , 2018, 69, 467-481.	2.4	24
10215	A Phi-Class Glutathione S-Transferase Gene for <i>Verticillium</i> Wilt Resistance in <i>Gossypium arboreum</i> Identified in a Genome-Wide Association Study. <i>Plant and Cell Physiology</i> , 2018, 59, 275-289.	1.5	87
10216	Robust Transcriptional Activation in Plants Using Multiplexed CRISPR-Act2.0 and mTALE-Act Systems. <i>Molecular Plant</i> , 2018, 11, 245-256.	3.9	179
10217	The Pentatricopeptide Repeat Protein MEF31 is Required for Editing at Site 581 of the Mitochondrial <i>tatC</i> Transcript and Indirectly Influences Editing at Site 586 of the Same Transcript. <i>Plant and Cell Physiology</i> , 2018, 59, 355-365.	1.5	7
10218	Abscisic acid affects expression of citrus FT homologs upon floral induction by low temperature in Satsuma mandarin (<i>Citrus unshiu</i> Marc.). <i>Tree Physiology</i> , 2018, 38, 755-771.	1.4	28
10219	At-MINI ZINC FINGER2 and SI-INHIBITOR OF MERISTEM ACTIVITY, a Conserved Missing Link in the Regulation of Floral Meristem Termination in <i>Arabidopsis</i> and Tomato. <i>Plant Cell</i> , 2018, 30, 83-100.	3.1	90
10220	Redox regulation of PEP activity during seedling establishment in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2018, 9, 50.	5.8	47
10221	The <i>Arabidopsis thaliana</i> non-specific phospholipase C2 is involved in the response to <i>Pseudomonas syringae</i> attack. <i>Annals of Botany</i> , 2018, 121, 297-310.	1.4	26
10222	Transcript levels of <i>orf288</i> are associated with the <i>hau</i> cytoplasmic male sterility system and altered nuclear gene expression in <i>Brassica juncea</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 455-466.	2.4	35
10223	Poplar MYB transcription factor <i>PtrMYB012</i> and its <i>Arabidopsis</i> <i>AtGAMYB</i> orthologs are differentially repressed by the <i>Arabidopsis</i> <i>miR159</i> family. <i>Tree Physiology</i> , 2018, 38, 801-812.	1.4	19
10224	The Deubiquitinase OTU5 Regulates Root Responses to Phosphate Starvation. <i>Plant Physiology</i> , 2018, 176, 2441-2455.	2.3	19
10225	Histone Deacetylases SRT1 and SRT2 Interact with ENAP1 to Mediate Ethylene-Induced Transcriptional Repression. <i>Plant Cell</i> , 2018, 30, 153-166.	3.1	78
10226	Synteny analysis and functional characterization of <i>miR165a</i> from <i>Brassica</i> species. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	3
10227	The G Protein β -Subunit, <i>AGB1</i> , Interacts with <i>FERONIA</i> in RALF1-Regulated Stomatal Movement. <i>Plant Physiology</i> , 2018, 176, 2426-2440.	2.3	77

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10228	Exocyst Subunit EXO70H4 Has a Specific Role in Callose Synthase Secretion and Silica Accumulation. <i>Plant Physiology</i> , 2018, 176, 2040-2051.	2.3	79
10229	Evolution of Darwinâ€™s Peloric Gloxinia (<i>Sinningia speciosa</i>) Is Caused by a Null Mutation in a Pleiotropic TCP Gene. <i>Molecular Biology and Evolution</i> , 2018, 35, 1901-1915.	3.5	24
10230	CORNICHON sorting and regulation of GLR channels underlie pollen tube Ca ²⁺ homeostasis. <i>Science</i> , 2018, 360, 533-536.	6.0	117
10231	Sequence variation and functional analysis of a FRIGIDA orthologue (BnaA3.FRI) in <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2018, 18, 32.	1.6	24
10232	High-level accumulation of oleyl oleate in plant seed oil by abundant supply of oleic acid substrates to efficient wax ester synthesis enzymes. <i>Biotechnology for Biofuels</i> , 2018, 11, 53.	6.2	14
10233	Activation of Self-Incompatibility Signaling in Transgenic <i>Arabidopsis thaliana</i> Is Independent of AP2-Based Clathrin-Mediated Endocytosis. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2231-2239.	0.8	5
10234	Molecular cloning of a plasma membrane aquaporin in <i>Stipa purpurea</i> , and exploration of its role in drought stress tolerance. <i>Gene</i> , 2018, 665, 41-48.	1.0	17
10235	Sub-cellular markers highlight intracellular dynamics of membrane proteins in response to abiotic treatments in rice. <i>Rice</i> , 2018, 11, 23.	1.7	10
10236	Variable-angle epifluorescence microscopy characterizes protein dynamics in the vicinity of plasma membrane in plant cells. <i>BMC Plant Biology</i> , 2018, 18, 43.	1.6	13
10237	A transgene design for enhancing oil content in <i>Arabidopsis</i> and <i>Camelina</i> seeds. <i>Biotechnology for Biofuels</i> , 2018, 11, 46.	6.2	23
10238	A missense allele of KARRIKIN-INSENSITIVE2 impairs ligand-binding and downstream signaling in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 3609-3623.	2.4	26
10239	Genetically engineering <i>Crambe abyssinica</i> â€”A potentially high-value oil crop for salt land improvement. <i>Land Degradation and Development</i> , 2018, 29, 1096-1106.	1.8	14
10240	Identification of an arabinopyranosyltransferase from <i>Physcomitrella patens</i> involved in the synthesis of the hemicellulose xyloglucan. <i>Plant Direct</i> , 2018, 2, e00046.	0.8	22
10241	Host-mediated RNAi of a Notch-like receptor gene in <i>Meloidogyne incognita</i> induces nematode resistance. <i>Parasitology</i> , 2018, 145, 1896-1906.	0.7	5
10242	Telobox motifs recruit CLF/SWNâ€™PRC2 for H3K27me3 deposition via TRB factors in <i>Arabidopsis</i> . <i>Nature Genetics</i> , 2018, 50, 638-644.	9.4	123
10243	Constitutive BiP protein accumulation in <i>Arabidopsis</i> mutants defective in a gene encoding chloroplastâ€™resident stearylâ€™acyl carrier protein desaturase. <i>Genes To Cells</i> , 2018, 23, 456-465.	0.5	12
10244	A mongolian pine specific endoplasmic reticulum localized CALMODULIN-LIKE calcium binding protein enhances <i>Arabidopsis</i> growth. <i>Journal of Plant Physiology</i> , 2018, 226, 1-11.	1.6	8
10245	Danger-Associated Peptides Close Stomata by OST1-Independent Activation of Anion Channels in Guard Cells. <i>Plant Cell</i> , 2018, 30, 1132-1146.	3.1	57

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10246	The AWPM-19 Family Protein OsPM1 Mediates Abscisic Acid Influx and Drought Response in Rice. <i>Plant Cell</i> , 2018, 30, 1258-1276.	3.1	82
10247	Development of strategies for genetic manipulation and fine-tuning of a chloroplast retrograde signal 3- ϵ -phosphoadenosine 5- ϵ -phosphate. <i>Plant Direct</i> , 2018, 2, e00031.	0.8	9
10248	The m ⁶ A Reader ECT2 Controls Trichome Morphology by Affecting mRNA Stability in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 968-985.	3.1	232
10249	Molecular and functional characterization of the magnesium transporter gene ZmMGT12 in maize. <i>Gene</i> , 2018, 665, 167-173.	1.0	20
10250	<i>Arabidopsis</i> pollen tube germination and growth depend on the mitochondrial calcium uniporter complex. <i>New Phytologist</i> , 2018, 219, 58-65.	3.5	45
10251	Epidermal expression of a sterol biosynthesis gene regulates root growth by a non-cell autonomous mechanism in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2018, 145, .	1.2	14
10252	Phytomelatonin receptor PMTR-mediated signaling regulates stomatal closure in <i>Arabidopsis thaliana</i> . <i>Journal of Pineal Research</i> , 2018, 65, e12500.	3.4	283
10253	EL1-like Casein Kinases Suppress ABA Signaling and Responses by Phosphorylating and Destabilizing the ABA Receptors PYR/PYLs in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2018, 11, 706-719.	3.9	72
10254	An improved method for rapid analysis of promoters using modified sonication-assisted transient assay. <i>3 Biotech</i> , 2018, 8, 198.	1.1	1
10255	<i>Arabidopsis</i> SWC4 Binds DNA and Recruits the SWR1 Complex to Modulate Histone H2A.Z Deposition at Key Regulatory Genes. <i>Molecular Plant</i> , 2018, 11, 815-832.	3.9	60
10256	Mutations in the CDS and promoter of BjuA07.CLV1 cause a multilocular trait in <i>Brassica juncea</i> . <i>Scientific Reports</i> , 2018, 8, 5339.	1.6	29
10257	Molecular cloning and functional characterization of a soybean GmGMP1 gene reveals its involvement in ascorbic acid biosynthesis and multiple abiotic stress tolerance in transgenic plants. <i>Journal of Integrative Agriculture</i> , 2018, 17, 539-553.	1.7	10
10258	Functional conservation of MtFPA, a nucleus-localized RNA-recognition motif-binding protein that regulates flowering time in <i>Medicago truncatula</i> . <i>Plant Biotechnology Reports</i> , 2018, 12, 39-46.	0.9	2
10259	A molecular framework controlling style morphology in <i>Brassicaceae</i> . <i>Development (Cambridge)</i> , 2018, 145, .	1.2	26
10260	Malate transported from chloroplast to mitochondrion triggers production of ROS and PCD in <i>Arabidopsis thaliana</i> . <i>Cell Research</i> , 2018, 28, 448-461.	5.7	122
10261	Highly efficient heritable targeted deletions of gene clusters and non-coding regulatory regions in <i>Arabidopsis</i> using CRISPR/Cas9. <i>Scientific Reports</i> , 2018, 8, 4443.	1.6	63
10262	Structure-activity relationships of strigolactones via a novel, quantitative in planta bioassay. <i>Journal of Experimental Botany</i> , 2018, 69, 2333-2343.	2.4	20
10263	<i>GIGANTEA</i> -like genes control seasonal growth cessation in <i>Populus</i> . <i>New Phytologist</i> , 2018, 218, 1491-1503.	3.5	55

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10264	Biosynthesis of redox-active metabolites in response to iron deficiency in plants. <i>Nature Chemical Biology</i> , 2018, 14, 442-450.	3.9	220
10265	CSI1, PATROL1, and exocyst complex cooperate in delivery of cellulose synthase complexes to the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3578-E3587.	3.3	85
10266	CsTFL1b may regulate the flowering time and inflorescence architecture in cucumber (<i>Cucumis sativus</i>) Tj ETQq0 0.0 rgBT /Oyerlock 10	1.0	16
10267	TANDEM ZINC-FINGER/PLUS3 Is a Key Component of Phytochrome A Signaling. <i>Plant Cell</i> , 2018, 30, 835-852.	3.1	49
10268	A Genetic Screen Identifies PRP18a, a Putative Second Step Splicing Factor Important for Alternative Splicing and a Normal Phenotype in <i>Arabidopsis thaliana</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1367-1377.	0.8	15
10269	TaEDS1 genes positively regulate resistance to powdery mildew in wheat. <i>Plant Molecular Biology</i> , 2018, 96, 607-625.	2.0	21
10270	Ectopic expression of VpSTS29, a stilbene synthase gene from <i>Vitis pseudoreticulata</i> , indicates STS presence in cytosolic oil bodies. <i>Planta</i> , 2018, 248, 89-103.	1.6	16
10271	Demonstration of monoglucosyl-glucosidase activity of rice Os4BGlu14, Os4BGlu16 and Os4BGlu18 in <i>Arabidopsis thaliana</i> bglu45 mutant. <i>Plant Physiology and Biochemistry</i> , 2018, 127, 223-230.	2.8	24
10272	Expression, glycosylation, and function of an anti-rabies virus monoclonal antibody in tobacco and <i>Arabidopsis</i> plants. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 285-292.	0.7	3
10273	The soybean transcription factor GmNAC085 enhances drought tolerance in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2018, 151, 12-20.	2.0	58
10274	Chloroplast Ca ²⁺ Fluxes into and across Thylakoids Revealed by Thylakoid-Targeted Aequorin Probes. <i>Plant Physiology</i> , 2018, 177, 38-51.	2.3	36
10275	The Circadian Clock Sets the Time of DNA Replication Licensing to Regulate Growth in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2018, 45, 101-113.e4.	3.1	71
10276	Expression of the human gene CYP1A2 enhances tolerance and detoxification of the phenylurea herbicide linuron in <i>Arabidopsis thaliana</i> plants and <i>Escherichia coli</i> . <i>Environmental Pollution</i> , 2018, 238, 281-290.	3.7	24
10277	Myosin XI-K is involved in root organogenesis, polar auxin transport, and cell division. <i>Journal of Experimental Botany</i> , 2018, 69, 2869-2881.	2.4	56
10278	The Ubiquitin E3 Ligase PRU1 Regulates WRKY6 Degradation to Modulate Phosphate Homeostasis in Response to Low-Pi Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 1062-1076.	3.1	64
10279	Conserved functional control, but distinct regulation of cell proliferation in rice and <i>Arabidopsis</i> leaves revealed by comparative analysis of GRF-INTERACTING FACTOR 1 orthologs. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	30
10280	METHIONINE ADENOSYLTRANSFERASE4 Mediates DNA and Histone Methylation. <i>Plant Physiology</i> , 2018, 177, 652-670.	2.3	61
10281	GmDim1 Gene Encodes Nucleolar Localized U5-Small Nuclear Ribonucleoprotein in <i>Glycine max</i> . <i>Russian Journal of Plant Physiology</i> , 2018, 65, 197-202.	0.5	3

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10282	Ectopic Expression of Rice PYL3 Enhances Cold and Drought Tolerance in <i>Arabidopsis thaliana</i> . <i>Molecular Biotechnology</i> , 2018, 60, 350-361.	1.3	58
10283	INP1 involvement in pollen aperture formation is evolutionarily conserved and may require species-specific partners. <i>Journal of Experimental Botany</i> , 2018, 69, 983-996.	2.4	24
10284	miRNAs control HAM1 functions at the single-cell-layer level and are essential for normal embryogenesis in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2018, 96, 627-640.	2.0	22
10285	Reduced Anthocyanins in Petioles codes for a GST anthocyanin transporter that is essential for the foliage and fruit coloration in strawberry. <i>Journal of Experimental Botany</i> , 2018, 69, 2595-2608.	2.4	138
10286	Trans-species synthetic gene design allows resistance pyramiding and broad-spectrum engineering of virus resistance in plants. <i>Plant Biotechnology Journal</i> , 2018, 16, 1569-1581.	4.1	64
10287	Mutation of SELF-PRUNING homologs in cotton promotes short-branching plant architecture. <i>Journal of Experimental Botany</i> , 2018, 69, 2543-2553.	2.4	49
10288	A <i>pex1</i> missense mutation improves peroxisome function in a subset of <i>Arabidopsis pex6</i> mutants without restoring PEX5 recycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3163-E3172.	3.3	18
10289	Exploiting CELLULOSE SYNTHASE (CESA) Class Specificity to Probe Cellulose Microfibril Biosynthesis. <i>Plant Physiology</i> , 2018, 177, 151-167.	2.3	31
10290	Expression of TpnRAMP5, a metal transporter from Polish wheat (<i>Triticum polonicum</i> L.), enhances the accumulation of Cd, Co and Mn in transgenic <i>Arabidopsis</i> plants. <i>Planta</i> , 2018, 247, 1395-1406.	1.6	63
10291	Evolutionary diversification of type-2 HDAC structure, function and regulation in <i>Nicotiana tabacum</i> . <i>Plant Science</i> , 2018, 269, 66-74.	1.7	7
10292	Identification and expression pattern analysis of the glucosinolate biosynthetic gene BoCYP83B1 from broccoli. <i>Biologia Plantarum</i> , 2018, 62, 521-533.	1.9	7
10293	Cross-resistance to dicamba, 2,4-D, and fluroxypyr in <i>Kochia scoparia</i> is endowed by a mutation in an <i>AUX/IAA</i> gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2911-E2920.	3.3	73
10294	Mechanistic basis for the activation of plant membrane receptor kinases by SERK-family coreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3488-3493.	3.3	89
10295	An apple NAC transcription factor enhances salt stress tolerance by modulating the ethylene response. <i>Physiologia Plantarum</i> , 2018, 164, 279-289.	2.6	80
10296	Host-induced gene silencing compromises <i>Verticillium</i> wilt in tomato and <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2018, 19, 77-89.	2.0	93
10297	The Elongator complex-associated protein DRL1 plays a positive role in immune responses against necrotrophic fungal pathogens in <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2018, 19, 286-299.	2.0	4
10298	Infection assays in <i>Arabidopsis</i> reveal candidate effectors from the poplar rust fungus that promote susceptibility to bacteria and oomycete pathogens. <i>Molecular Plant Pathology</i> , 2018, 19, 191-200.	2.0	84
10299	AtSCP1 is an inhibitor of the metacaspase AtMC-mediated cell death and autocatalytic processing in <i>planta</i> . <i>New Phytologist</i> , 2018, 218, 1156-1166.	3.5	47

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10300	High irradiance sensitive phenotype of Arabidopsis hit2/xpo1a mutant is caused in part by nuclear confinement of AtHsfA4a. <i>Biologia Plantarum</i> , 2018, 62, 69-79.	1.9	8
10301	Two NHX-type transporters from <i>Helianthus tuberosus</i> improve the tolerance of rice to salinity and nutrient deficiency stress. <i>Plant Biotechnology Journal</i> , 2018, 16, 310-321.	4.1	71
10302	MaRAP2, a waterlogging-responsive ERF from <i>Mentha</i> , regulates bidirectional sugar transporter <i>AtSWEET10</i> to modulate stress response in <i>Arabidopsis</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 221-233.	4.1	70
10303	<i>Tamarix hispida</i> aquaporin ThPIP2;5 confers salt and osmotic stress tolerance to transgenic <i>Tamarix</i> and <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2018, 152, 158-166.	2.0	25
10304	Production of red-flowered oilseed rape via the ectopic expression of <i>Orychophragmus violaceus</i> <i>OvPAP2</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 367-380.	4.1	42
10305	An R2R3-MYB Transcription Factor FtMYB15 Involved in the Synthesis of Anthocyanin and Proanthocyanidins from Tartary Buckwheat. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 76-84.	2.8	32
10306	Development of iFOX-hunting as a functional genomic tool and demonstration of its use to identify early senescence-related genes in the polyploid <i>Brassica napus</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 591-602.	4.1	24
10307	Evaluation of glyphosate resistance in <i>Arabidopsis thaliana</i> expressing an altered target site EPSPS. <i>Pest Management Science</i> , 2018, 74, 1174-1183.	1.7	21
10308	Using Optical Tweezers Combined with Total Internal Reflection Microscopy to Study Interactions Between the ER and Golgi in Plant Cells. <i>Methods in Molecular Biology</i> , 2018, 1691, 167-178.	0.4	10
10309	<i>AtRAE1</i> is involved in degradation of <i>ABA</i> receptor <i>RCAR1</i> and negatively regulates <i>ABA</i> signalling in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 231-244.	2.8	41
10310	Environmental and Genetic Factors Regulating Localization of the Plant Plasma Membrane H ⁺ -ATPase. <i>Plant Physiology</i> , 2018, 176, 364-377.	2.3	37
10311	The WUSCHEL-related homeobox 5a (PtoWOX5a) is involved in adventitious root development in poplar. <i>Tree Physiology</i> , 2018, 38, 139-153.	1.4	48
10312	Protein S-Nitrosylation Regulates Xylem Vessel Cell Differentiation in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 17-29.	1.5	48
10313	GID1 expression is associated with ovule development of sexual and apomictic plants. <i>Plant Cell Reports</i> , 2018, 37, 293-306.	2.8	30
10314	TAF15b, involved in the autonomous pathway for flowering, represses transcription of <i>FLOWERING LOCUS C</i> . <i>Plant Journal</i> , 2018, 93, 79-91.	2.8	29
10315	Evolvement of transgenic male-sterility and fertility-restoration system in rice for production of hybrid varieties. <i>Plant Molecular Biology</i> , 2018, 96, 35-51.	2.0	14
10316	miR393 inhibits in vitro shoot regeneration in <i>Arabidopsis thaliana</i> via repressing TIR1. <i>Plant Science</i> , 2018, 266, 1-8.	1.7	13
10317	Auxin and ROP GTPase Signaling of Polar Nuclear Migration in Root Epidermal Hair Cells. <i>Plant Physiology</i> , 2018, 176, 378-391.	2.3	27

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10318	A ceratoâ€platanin protein SsCP1 targets plant PR1 and contributes to virulence of <i>Sclerotinia sclerotiorum</i> . <i>New Phytologist</i> , 2018, 217, 739-755.	3.5	211
10319	Light regulates ascorbic acid accumulation and ascorbic acid-related genes expression in the peel of eggplant. <i>South African Journal of Botany</i> , 2018, 114, 20-28.	1.2	5
10320	Identification of chalcone isomerase in the basal land plants reveals an ancient evolution of enzymatic cyclization activity for synthesis of flavonoids. <i>New Phytologist</i> , 2018, 217, 909-924.	3.5	62
10321	The AtMC4 regulates the stem cell homeostasis in Arabidopsis by catalyzing the cleavage of AtLa1 protein in response to environmental hazards. <i>Plant Science</i> , 2018, 266, 64-75.	1.7	4
10322	Chrysanthemum MADS-box transcription factor CmANR1 modulates lateral root development via homo-/heterodimerization to influence auxin accumulation in Arabidopsis. <i>Plant Science</i> , 2018, 266, 27-36.	1.7	45
10323	Characterization of a novel zinc finger transcription factor (TaZnF) from wheat conferring heat stress tolerance in Arabidopsis. <i>Cell Stress and Chaperones</i> , 2018, 23, 253-267.	1.2	50
10324	Histone 3 lysine 36 to methionine mutations stably interact with and sequester SDG8 in Arabidopsis thaliana. <i>Science China Life Sciences</i> , 2018, 61, 225-234.	2.3	12
10325	Overexpression of abiotic stress-induced AtMYBL-O results in negative modulation of abscisic acid signaling through the downregulation of abscisic acid-responsive genes in Arabidopsis thaliana. <i>Plant Growth Regulation</i> , 2018, 84, 25-36.	1.8	7
10326	A novel cotton WRKY gene, <i>GhWRKY6</i> like, improves salt tolerance by activating the ABA signaling pathway and scavenging of reactive oxygen species. <i>Physiologia Plantarum</i> , 2018, 162, 439-454.	2.6	130
10327	Agrobacterium-mediated floral dip transformation of the model polyploid species Arabidopsis kamchatica. <i>Journal of Plant Research</i> , 2018, 131, 349-358.	1.2	14
10328	Co-expression of PeDREB2a and KcERF Improves Drought and Salt Tolerance in Transgenic Lotus corniculatus. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 550-559.	2.8	9
10329	Rice phytooglobins regulate responses under low mineral nutrients and abiotic stresses in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 215-230.	2.8	25
10330	Isolation and analysis of a stromuleâ€overproducing <i>Arabidopsis</i> mutant suggest the role of <i>PARC6</i> in plastid morphology maintenance in the leaf epidermis. <i>Physiologia Plantarum</i> , 2018, 162, 479-494.	2.6	20
10331	Overexpression of plastidic maize NADP-malate dehydrogenase (ZmNADP-MDH) in Arabidopsis thaliana confers tolerance to salt stress. <i>Protoplasma</i> , 2018, 255, 547-563.	1.0	48
10332	<i>Brassica napus</i> GLABRA3 promotes anthocyanin biosynthesis and trichome formation in true leaves when expressed in <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 2018, 20, 3-9.	1.8	9
10333	Phosphoglycerate Kinases Are Co-Regulated to Adjust Metabolism and to Optimize Growth. <i>Plant Physiology</i> , 2018, 176, 1182-1198.	2.3	62
10334	Dissecting the components controlling rootâ€shoot arsenic translocation in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2018, 217, 206-218.	3.5	56
10335	Interactions of <i>WRKY15</i> and <i>WRKY33</i> transcription factors and their roles in the resistance of oilseed rape to <i>Sclerotinia</i> infection. <i>Plant Biotechnology Journal</i> , 2018, 16, 911-925.	4.1	53

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10336	Pollen Aperture Factor INP1 Acts Late in Aperture Formation by Excluding Specific Membrane Domains from Exine Deposition. <i>Plant Physiology</i> , 2018, 176, 326-339.	2.3	25
10337	Dose-dependent interactions between two loci trigger altered shoot growth in BC ⁵ –Krotzenburg ⁰ (Kro ⁰) hybrids of <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2018, 217, 392-406.	3.5	12
10338	Interaction of <i>Arabidopsis</i> TGA3 and WRKY53 transcription factors on <i>Cestrum</i> yellow leaf curling virus (CmYLCV) promoter mediates salicylic acid-dependent gene expression in planta. <i>Planta</i> , 2018, 247, 181-199.	1.6	23
10339	Overexpressed BRH1, a RING finger gene, alters rosette leaf shape in <i>Arabidopsis thaliana</i> . <i>Science China Life Sciences</i> , 2018, 61, 79-87.	2.3	19
10340	Evolutionary and functional characterization of leucoanthocyanidin reductases from <i>Camellia sinensis</i> . <i>Planta</i> , 2018, 247, 139-154.	1.6	108
10341	Ectopic expression of glycosyltransferase <i>UGT76E11</i> increases flavonoid accumulation and enhances abiotic stress tolerance in <i>Arabidopsis</i> . <i>Plant Biology</i> , 2018, 20, 10-19.	1.8	67
10342	Expression of tomato prosystemin gene in <i>Arabidopsis</i> reveals systemic translocation of its mRNA and confers necrotrophic fungal resistance. <i>New Phytologist</i> , 2018, 217, 799-812.	3.5	39
10343	Overexpression of sweet sorghum cryptochrome 1a confers hypersensitivity to blue light, abscisic acid and salinity in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2018, 37, 251-264.	2.8	22
10344	Overexpression of cysteine protease gene from <i>Salix matsudana</i> enhances salt tolerance in transgenic <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2018, 147, 53-62.	2.0	22
10345	Coordinated Regulation of Hypocotyl Cell Elongation by Light and Ethylene through a Microtubule Destabilizing Protein. <i>Plant Physiology</i> , 2018, 176, 678-690.	2.3	32
10346	Characterization of the enzymatic activity and physiological function of the lipid droplet-associated triacylglycerol lipase <i>AtOBL1</i> . <i>New Phytologist</i> , 2018, 217, 1062-1076.	3.5	43
10347	The C2H2 zinc-finger protein <i>SlZF3</i> regulates AsA synthesis and salt tolerance by interacting with <i>CSN5B</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 1201-1213.	4.1	82
10348	A low degenerate primer pool improved the efficiency of high-efficiency thermal asymmetric interlaced PCR to amplify T-DNA flanking sequences in <i>Arabidopsis thaliana</i> . <i>3 Biotech</i> , 2018, 8, 14.	1.1	5
10349	Overexpression of the maize E3 ubiquitin ligase gene <i>ZmAIRP4</i> enhances drought stress tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 123, 34-42.	2.8	37
10350	Degradation pathway of plant complex-type N-glycans: identification and characterization of a key α 1,3-fucosidase from glycoside hydrolase family 29. <i>Biochemical Journal</i> , 2018, 475, 305-317.	1.7	10
10351	A novel cold-regulated gene from <i>Phlox subulata</i> , <i>PsCor413im1</i> , enhances low temperature tolerance in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1688-1694.	1.0	18
10352	The <i>SlCBL10</i> Calcineurin B-Like Protein Ensures Plant Growth under Salt Stress by Regulating Na^+ and Ca^{2+} Homeostasis. <i>Plant Physiology</i> , 2018, 176, 1676-1693.	2.3	45
10353	Profiling of Accessible Chromatin Regions across Multiple Plant Species and Cell Types Reveals Common Gene Regulatory Principles and New Control Modules. <i>Plant Cell</i> , 2018, 30, 15-36.	3.1	226

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10355	Molecular cloning and characterization of the glutathione reductase gene from <i>Stipa purpurea</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1851-1857.	1.0	18
10356	Reduced Expression of <i>APUM24</i> , Encoding a Novel rRNA Processing Factor, Induces Sugar-Dependent Nucleolar Stress and Altered Sugar Responses in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2018, 30, 209-227.	3.1	44
10357	Chlorophyll-a fluorescence evaluation of PEG-induced osmotic stress on PSII activity in <i>Arabidopsis</i> plants expressing <i>SIP1</i> . <i>Plant Biosystems</i> , 2018, 152, 945-952.	0.8	18
10358	TAE-PCR is a highly efficient method of amplifying unknown flanking fragments of DNA transformants. <i>Physiologia Plantarum</i> , 2018, 164, 242-250.	2.6	3
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10360	Localization of the glucosinolate biosynthetic enzymes reveals distinct spatial patterns for the biosynthesis of indole and aliphatic glucosinolates. <i>Physiologia Plantarum</i> , 2018, 163, 138-154.	2.6	69
10361	Vacuolar Trafficking Protein <i>VPS38</i> Is Dispensable for Autophagy. <i>Plant Physiology</i> , 2018, 176, 1559-1572.	2.3	34
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10363	The pepper dehydration-responsive homeobox 1, <i>CaDRHB1</i> , plays a positive role in the dehydration response. <i>Environmental and Experimental Botany</i> , 2018, 147, 104-115.	2.0	10
10364	A CBL-interacting protein kinase <i>TaCIPK27</i> confers drought tolerance and exogenous ABA sensitivity in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 123, 103-113.	2.8	53
10365	The phenotypic and molecular assessment of the non-conserved <i>Arabidopsis</i> <i>MICRORNA163/S-ADENOSYL-METHYLTRANSFERASE</i> regulatory module during biotic stress. <i>Molecular Genetics and Genomics</i> , 2018, 293, 503-523.	1.0	2
10366	The dioxygenase <i>GIM2</i> functions in seed germination by altering gibberellin production in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2018, 60, 276-291.	4.1	24
10367	Coevolving <i>MAPK</i> and <i>PID</i> phosphosites indicate an ancient environmental control of <i>PIN</i> auxin transporters in land plants. <i>FEBS Letters</i> , 2018, 592, 89-102.	1.3	48
10368	Peanut RNA Helicase <i>AhRH47</i> Sustains Protein Synthesis Under Stress and Improves Stress Adaptation in <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2018, 36, 58-70.	1.0	17
10369	<i>TSC1</i> enables plastid development under dark conditions, contributing to rice adaptation to transplantation shock. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 112-129.	4.1	7
10370	Conserved RxLR Effectors From Oomycetes <i>Hyaloperonospora arabidopsidis</i> and <i>Phytophthora sojae</i> Suppress PAMP- and Effector-Triggered Immunity in Diverse Plants. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 374-385.	1.4	60
10371	The molecular basis for an ancient colour mutant in sweet pea (<i>Lathyrus odoratus</i>). <i>Canadian Journal of Plant Science</i> , 2018, 98, 591-600.	0.3	2

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10375	Division Plane Orientation Defects Revealed by a Synthetic Double Mutant Phenotype. <i>Plant Physiology</i> , 2018, 176, 418-431.	2.3	32
10376	Transcription Factors VND1-VND3 Contribute to Cotyledon Xylem Vessel Formation. <i>Plant Physiology</i> , 2018, 176, 773-789.	2.3	76
10377	Members of the DEAL subfamily of the DUF1218 gene family are required for bilateral symmetry but not for dorsoventrality in Arabidopsis leaves. <i>New Phytologist</i> , 2018, 217, 1307-1321.	3.5	22
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10379	Apple fruit superficial scald resistance mediated by ethylene inhibition is associated with diverse metabolic processes. <i>Plant Journal</i> , 2018, 93, 270-285.	2.8	76
10380	In Planta transformation for conferring salt tolerance to a tissue-culture unresponsive indica rice (<i>Oryza sativa</i> L.) cultivar. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2018, 54, 154-165.	0.9	10
10381	Gene encoding vesicle-associated membrane protein-associated protein from <i>Triticum aestivum</i> (TaVAP) confers tolerance to drought stress. <i>Cell Stress and Chaperones</i> , 2018, 23, 411-428.	1.2	13
10382	Expression of BpIAA10 from <i>Betula platyphylla</i> (birch) is differentially regulated by different hormones and light intensities. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 132, 371-381.	1.2	4
10383	KinG Is a Plant-Specific Kinesin That Regulates Both Intra- and Intercellular Movement of SHORT-ROOT. <i>Plant Physiology</i> , 2018, 176, 392-405.	2.3	26
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10385	The Antarctic moss leucine-rich repeat receptor-like kinase (PnLRR-RLK2) functions in salinity and drought stress adaptation. <i>Polar Biology</i> , 2018, 41, 353-364.	0.5	12
10386	Genetic Engineered Organisms (Plants and Animals). , 2018, , 1-30.		1
10387	Balance between Cytosolic and Chloroplast Translation Affects Leaf Variegation. <i>Plant Physiology</i> , 2018, 176, 804-818.	2.3	55
10388	Tight regulation of allene oxide synthase (AOS) and allene oxide cyclase-3 (AOC3) promote Arabidopsis susceptibility to the root-knot nematode <i>Meloidogyne javanica</i> . <i>European Journal of Plant Pathology</i> , 2018, 150, 149-165.	0.8	13
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10392	Peptide signaling molecules <scp>CLE</scp>5 and <scp>CLE</scp>6 affect <i>Arabidopsis</i> leaf shape downstream of leaf patterning transcription factors and auxin. <i>Plant Direct</i> , 2018, 2, e00103.	0.8	19
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10395	Consequences of the loss of catalytic triads in chloroplast CLPPR protease core complexes in vivo. <i>Plant Direct</i> , 2018, 2, e00086.	0.8	8
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10398	Overexpression of <i>Auxin Binding Protein 57</i> from Rice (<i>Oryza sativa</i> L.) Increased Drought and Salt Tolerance in Transgenic <i>Arabidopsis thaliana</i>. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 197, 012038.	0.2	4
10399	PISTILLATA paralogs in <i>Tarenaya hassleriana</i> have diverged in interaction specificity. <i>BMC Plant Biology</i> , 2018, 18, 368.	1.6	2
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10407	The Tonoplast Inositol Transporter INT1 From <i>Arabidopsis thaliana</i> Impacts Cell Elongation in a Sucrose-Dependent Way. <i>Frontiers in Plant Science</i> , 2018, 9, 1657.	1.7	15
10408	Expression and functional analysis of apple <i>MdMADS13</i> on flower and fruit formation. <i>Plant Biotechnology</i> , 2018, 35, 207-213.	0.5	4
10409	<i>Arabidopsis</i> class I formins control membrane-originated actin polymerization at pollen tube tips. <i>PLoS Genetics</i> , 2018, 14, e1007789.	1.5	41

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10432	Regulation of pollen lipid body biogenesis by MAP kinases and downstream WRKY transcription factors in Arabidopsis. <i>PLoS Genetics</i> , 2018, 14, e1007880.	1.5	38
10433	Proline synthesis in developing microspores is required for pollen development and fertility. <i>BMC Plant Biology</i> , 2018, 18, 356.	1.6	46
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10435	Domain swaps of Arabidopsis secondary wall cellulose synthases to elucidate their class specificity. <i>Plant Direct</i> , 2018, 2, e00061.	0.8	11
10436	Molecular and Functional Characterization of ZmNF-YC14 in Transgenic Arabidopsis. <i>Journal of Plant Biology</i> , 2018, 61, 410-423.	0.9	5
10437	Identification and characterization of an Arabidopsis phosphate starvation-induced secreted acid phosphatase as a vegetative storage protein. <i>Plant Science</i> , 2018, 277, 278-284.	1.7	5
10438	Regulatory chromatin landscape in Arabidopsis thaliana roots uncovered by coupling INTACT and ATAC-seq. <i>Plant Methods</i> , 2018, 14, 113.	1.9	45
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10440	The Arabidopsis Ca ²⁺ -Dependent Protein Kinase CPK12 Is Involved in Plant Response to Salt Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4062.	1.8	27
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10442	RSM1, an Arabidopsis MYB protein, interacts with HY5/HYH to modulate seed germination and seedling development in response to abscisic acid and salinity. <i>PLoS Genetics</i> , 2018, 14, e1007839.	1.5	66
10443	Using Transcriptome Analysis to Identify Genes Involved in Switchgrass Flower Reversion. <i>Frontiers in Plant Science</i> , 2018, 9, 1805.	1.7	5
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10447	Heterologous Expression of the Grapevine JAZ7 Gene in Arabidopsis Confers Enhanced Resistance to Powdery Mildew but Not to Botrytis cinerea. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3889.	1.8	11
10448	Transcription factor DUO1 generated by neo-functionalization is associated with evolution of sperm differentiation in plants. <i>Nature Communications</i> , 2018, 9, 5283.	5.8	54
10449	A DNA methylation reader complex that enhances gene transcription. <i>Science</i> , 2018, 362, 1182-1186.	6.0	181
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10452	Characterization of a splice variant of soybean ERECTA devoid of an intracellular kinase domain in response to shade stress. <i>Journal of Genetics</i> , 2018, 97, 1353-1361.	0.4	5
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10455	Characterization of Dehydrin protein, CdDHN4-L and CdDHN4-S, and their differential protective roles against abiotic stress in vitro. <i>BMC Plant Biology</i> , 2018, 18, 299.	1.6	32
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10460	Identification and characterization of GmMYB118 responses to drought and salt stress. <i>BMC Plant Biology</i> , 2018, 18, 320.	1.6	173
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10462	The Maize Sulfite Reductase Is Involved in Cold and Oxidative Stress Responses. <i>Frontiers in Plant Science</i> , 2018, 9, 1680.	1.7	16
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10466	Modulation of ACD6 dependent hyperimmunity by natural alleles of an Arabidopsis thaliana NLR resistance gene. <i>PLoS Genetics</i> , 2018, 14, e1007628.	1.5	25
10467	INDUCER OF CBF EXPRESSION 1 is a male fertility regulator impacting anther dehydration in Arabidopsis. <i>PLoS Genetics</i> , 2018, 14, e1007695.	1.5	46
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10473	Identification and Molecular Characterization of HOS15-interacting Proteins in Arabidopsis thaliana. <i>Journal of Plant Biology</i> , 2018, 61, 336-345.	0.9	22
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10475	<i>ELONGATED HYPOCOTYL</i> 5 mediates blue light signalling to the Arabidopsis circadian clock. <i>Plant Journal</i> , 2018, 96, 1242-1254.	2.8	51
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10477	SAUR53 regulates organ elongation and apical hook development in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2018, 13, e1514896.	1.2	21
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10480	Salicylic acid-induced transcriptional reprogramming by the HAC NPR1 TGA histone acetyltransferase complex in Arabidopsis. <i>Nucleic Acids Research</i> , 2018, 46, 11712-11725.	6.5	59
10481	Ectopic Expression of Two FOREVER YOUNG FLOWER Orthologues from Cattleya Orchid Suppresses Ethylene Signaling and DELLA Results in Delayed Flower Senescence/Abscission and Reduced Flower Organ Elongation in Arabidopsis. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 710-724.	1.0	7
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10485	Natural variation in Brassica FT homeologs influences multiple agronomic traits including flowering time, silique shape, oil profile, stomatal morphology and plant height in <i>B. juncea</i> . <i>Plant Science</i> , 2018, 277, 251-266.	1.7	18
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10489	Abscisic acid-independent stomatal CO ₂ signal transduction pathway and convergence of CO ₂ and ABA signaling downstream of OST1 kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9971-E9980.	3.3	91
10490	Genetic Analysis of Floral Symmetry Transition in African Violet Suggests the Involvement of Trans-acting Factor for CYCLOIDEA Expression Shifts. <i>Frontiers in Plant Science</i> , 2018, 9, 1008.	1.7	13
10491	SENSITIVE TO SALT1, An Endoplasmic Reticulum-Localized Chaperone, Positively Regulates Salt Resistance. <i>Plant Physiology</i> , 2018, 178, 1390-1405.	2.3	27
10492	The Number of Meiotic Double-Strand Breaks Influences Crossover Distribution in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 2628-2638.	3.1	52
10493	The arogenate dehydratase ADT2 is essential for seed development in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 2409-2420.	1.5	10
10494	Systemic signaling contributes to the unfolded protein response of the plant endoplasmic reticulum. <i>Nature Communications</i> , 2018, 9, 3918.	5.8	31
10495	Genome-Wide Analysis of Glycine soja Response Regulator GsRR Genes Under Alkali and Salt Stresses. <i>Frontiers in Plant Science</i> , 2018, 9, 1306.	1.7	7
10496	Overexpression of a Transcription Factor Increases Lipid Content in a Woody Perennial <i>Jatropha curcas</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1479.	1.7	23
10497	Natural variation at XND1 impacts root hydraulics and trade-off for stress responses in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2018, 9, 3884.	5.8	67
10498	Identification of SLAC1 anion channel residues required for CO ₂ /bicarbonate sensing and regulation of stomatal movements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11129-11137.	3.3	58
10499	Miscanthus NAC transcription factor MINAC12 positively mediates abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2018, 277, 229-241.	1.7	41
10500	K ⁺ Efflux Antiporters 4, 5, and 6 Mediate pH and K ⁺ Homeostasis in Endomembrane Compartments. <i>Plant Physiology</i> , 2018, 178, 1657-1678.	2.3	65

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10502	APURINIC/APYRIMIDINIC ENDONUCLEASE2 and ZINC FINGER DNA 3- α -PHOSPHOESTERASE Play Overlapping Roles in the Maintenance of Epigenome and Genome Stability. <i>Plant Cell</i> , 2018, 30, 1954-1970.	3.1	20
10503	PRP4KA, a Putative Spliceosomal Protein Kinase, Is Important for Alternative Splicing and Development in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2018, 210, 1267-1285.	1.2	20
10504	A seed resource for screening functionally redundant genes and isolation of new mutants impaired in CO ₂ and ABA responses. <i>Journal of Experimental Botany</i> , 2019, 70, 641-651.	2.4	12
10505	The Three Members of the Arabidopsis Glycosyltransferase Family 92 are Functional β -1,4-Galactan Synthases. <i>Plant and Cell Physiology</i> , 2018, 59, 2624-2636.	1.5	35
10506	Mitogen-activated protein kinases <i>MPK4</i> and <i>MPK12</i> are key components mediating CO ₂ -induced stomatal movements. <i>Plant Journal</i> , 2018, 96, 1018-1035.	2.8	49
10507	Fluorescence in blue light (FLU) is involved in inactivation and localization of glutamyl-tRNA reductase during light exposure. <i>Plant Journal</i> , 2019, 97, 517-529.	2.8	33
10508	PtdIns(3,5)P ₂ mediates root hair shank hardening in Arabidopsis. <i>Nature Plants</i> , 2018, 4, 888-897.	4.7	57
10509	Patterned Deposition of Xylan and Lignin is Independent from that of the Secondary Wall Cellulose of Arabidopsis Xylem Vessels. <i>Plant Cell</i> , 2018, 30, 2663-2676.	3.1	34
10510	Overexpression of the CsFUS3 gene encoding a B3 transcription factor promotes somatic embryogenesis in Citrus. <i>Plant Science</i> , 2018, 277, 121-131.	1.7	19
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10512	Amino acid substitutions in CPC-LIKE MYB reveal residues important for protein stability in Arabidopsis roots. <i>PLoS ONE</i> , 2018, 13, e0205522.	1.1	6
10513	Calmodulin 1 Regulates Senescence and ABA Response in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 803.	1.7	38
10514	Characterization of Arabidopsis thaliana Hydroxyphenylpyruvate Reductases in the Tyrosine Conversion Pathway. <i>Frontiers in Plant Science</i> , 2018, 9, 1305.	1.7	9
10515	2-Cys Peroxiredoxins Participate in the Oxidation of Chloroplast Enzymes in the Dark. <i>Molecular Plant</i> , 2018, 11, 1377-1388.	3.9	68
10516	Medicago AP2-Domain Transcription Factor WRI5a Is a Master Regulator of Lipid Biosynthesis and Transfer during Mycorrhizal Symbiosis. <i>Molecular Plant</i> , 2018, 11, 1344-1359.	3.9	94
10517	The Mitochondrial Endonuclease M20 Participates in the Down-Regulation of Mitochondrial DNA in Pollen Cells. <i>Plant Physiology</i> , 2018, 178, 1537-1550.	2.3	4
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10520	Identification of a strawberry NPR-like gene involved in negative regulation of the salicylic acid-mediated defense pathway. <i>PLoS ONE</i> , 2018, 13, e0205790.	1.1	15
10521	Improved <i>Agrobacterium tumefaciens</i> -mediated transformation of soybean [<i>Glycine max</i> (L.) Merr.] following optimization of culture conditions and mechanical techniques. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2018, 54, 672-688.	0.9	18
10522	Overexpression of PvCO1, a bamboo CONSTANS-LIKE gene, delays flowering by reducing expression of the FT gene in transgenic <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2018, 18, 232.	1.6	27
10523	Overexpression of a Novel ROP Gene from the Banana (MaROP5g) Confers Increased Salt Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3108.	1.8	22
10524	IRON MAN is a ubiquitous family of peptides that control iron transport in plants. <i>Nature Plants</i> , 2018, 4, 953-963.	4.7	186
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10526	The Wheat MYB Transcription Factor TaMYB31 Is Involved in Drought Stress Responses in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1426.	1.7	87
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10529	Overexpression of <i>Lilium formosanum</i> MADS-box (LFMADS) Causing Floral Defects While Promoting Flowering in <i>Arabidopsis thaliana</i> , Whereas Only Affecting Floral Transition Time in <i>Nicotiana tabacum</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2217.	1.8	15
10530	Cellular Ca ²⁺ Signals Generate Defined pH Signatures in Plants. <i>Plant Cell</i> , 2018, 30, 2704-2719.	3.1	141
10531	A Resource for Inactivation of MicroRNAs Using Short Tandem Target Mimic Technology in Model and Crop Plants. <i>Molecular Plant</i> , 2018, 11, 1400-1417.	3.9	52
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10533	Protein-Ligand Fishing in planta for Biologically Active Natural Products Using Glutathione Transferases. <i>Frontiers in Plant Science</i> , 2018, 9, 1659.	1.7	11
10534	Phosphoproteomic analysis reveals that dehydrins ERD10 and ERD14 are phosphorylated by SNF1-related protein kinase 2.10 in response to osmotic stress. <i>Plant, Cell and Environment</i> , 2019, 42, 931-946.	2.8	63
10535	Overexpression of a SDD1-Like Gene From Wild Tomato Decreases Stomatal Density and Enhances Dehydration Avoidance in <i>Arabidopsis</i> and Cultivated Tomato. <i>Frontiers in Plant Science</i> , 2018, 9, 940.	1.7	43
10536	The Combined Loss of Triose Phosphate and Xylulose 5-Phosphate/Phosphate Translocators Leads to Severe Growth Retardation and Impaired Photosynthesis in <i>Arabidopsis thaliana</i> tpt/xpt Double Mutants. <i>Frontiers in Plant Science</i> , 2018, 9, 1331.	1.7	27

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10539	An Effector from the Cyst Nematode <i>Heterodera schachtii</i> Derepresses Host rRNA Genes by Altering Histone Acetylation. <i>Plant Cell</i> , 2018, 30, 2795-2812.	3.1	30
10540	Characterization and Functional Analysis of FaHsfC1b from <i>Festuca arundinacea</i> Conferring Heat Tolerance in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2702.	1.8	43
10541	Ectopic Expression of SjCBL1, Calcineurin B-Like 1 Gene From <i>Sedirea japonica</i> , Rescues the Salt and Osmotic Stress Hypersensitivity in <i>Arabidopsis cbl1</i> Mutant. <i>Frontiers in Plant Science</i> , 2018, 9, 1188.	1.7	10
10542	A plant Bro1 domain protein BRAF regulates multivesicular body biogenesis and membrane protein homeostasis. <i>Nature Communications</i> , 2018, 9, 3784.	5.8	41
10543	FLOWERING LOCUS T3 Controls Spikelet Initiation But Not Floral Development. <i>Plant Physiology</i> , 2018, 178, 1170-1186.	2.3	44
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10545	Overexpression of a cell wall damage induced transcription factor, OsWRKY42, leads to enhanced callose deposition and tolerance to salt stress but does not enhance tolerance to bacterial infection. <i>BMC Plant Biology</i> , 2018, 18, 177.	1.6	33
10546	Genome-wide identification of MADS-box family genes in moso bamboo (<i>Phyllostachys edulis</i>) and a functional analysis of PeMADS5 in flowering. <i>BMC Plant Biology</i> , 2018, 18, 176.	1.6	44
10547	Modulation of Asymmetric Division Diversity through Cytokinin and SPEECHLESS Regulatory Interactions in the <i>Arabidopsis</i> Stomatal Lineage. <i>Developmental Cell</i> , 2018, 47, 53-66.e5.	3.1	88
10548	VlbZIP30 of grapevine functions in dehydration tolerance via the abscisic acid core signaling pathway. <i>Horticulture Research</i> , 2018, 5, 49.	2.9	20
10549	MKK6 Functions in Two Parallel MAP Kinase Cascades in Immune Signaling. <i>Plant Physiology</i> , 2018, 178, 1284-1295.	2.3	33
10550	Overexpression of a Brix Domain-Containing Ribosome Biogenesis Factor ARPF2 and its Interactor ARRS1 Causes Morphological Changes and Lifespan Extension in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1177.	1.7	9
10551	The drnf1 Gene from the Drought-Adapted Cyanobacterium <i>Nostoc flagelliforme</i> Improved Salt Tolerance in Transgenic <i>Synechocystis</i> and <i>Arabidopsis</i> Plant. <i>Genes</i> , 2018, 9, 441.	1.0	14
10552	The Octadecanoid Pathway, but Not COI1, Is Required for Nectar Secretion in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1060.	1.7	14
10553	Overexpression of BoNAC019, a NAC transcription factor from <i>Brassica oleracea</i> , negatively regulates the dehydration response and anthocyanin biosynthesis in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2018, 8, 13349.	1.6	46
10554	A Golgi UDP-GlcNAc transporter delivers substrates for N-linked glycans and sphingolipids. <i>Nature Plants</i> , 2018, 4, 792-801.	4.7	27
10555	The topoisomerase 3 β zinc-finger domain T1 of <i>Arabidopsis thaliana</i> is required for targeting the enzyme activity to Holliday junction-like DNA repair intermediates. <i>PLoS Genetics</i> , 2018, 14, e1007674.	1.5	17

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10557	Functional Characterization of Arabidopsis PHL4 in Plant Response to Phosphate Starvation. <i>Frontiers in Plant Science</i> , 2018, 9, 1432.	1.7	27
10558	Differential Roles of the Thylakoid Lumenal Deg Protease Homologs in Chloroplast Proteostasis. <i>Plant Physiology</i> , 2018, 178, 1065-1080.	2.3	22
10559	A cytosolic class II small heat shock protein, PfHSP17.2, confers resistance to heat, cold, and salt stresses in transgenic Arabidopsis. <i>Genetics and Molecular Biology</i> , 2018, 41, 649-660.	0.6	25
10560	Benzyl Cyanide Leads to Auxin-Like Effects Through the Action of Nitrilases in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2018, 9, 1240.	1.7	19
10561	Transcription of soybean retrotransposon SORE-1 is temporally upregulated in developing ovules. <i>Planta</i> , 2018, 248, 1331-1337.	1.6	3
10562	The MAP4 Kinase SIK1 Ensures Robust Extracellular ROS Burst and Antibacterial Immunity in Plants. <i>Cell Host and Microbe</i> , 2018, 24, 379-391.e5.	5.1	95
10563	The WUSCHEL-related homeobox1 gene of cucumber regulates reproductive organ development. <i>Journal of Experimental Botany</i> , 2018, 69, 5373-5387.	2.4	25
10564	PsCor413pm2, a Plasma Membrane-Localized, Cold-Regulated Protein from Phlox subulata, Confers Low Temperature Tolerance in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2579.	1.8	28
10565	Comparative profiling of microRNAs and their effects on abiotic stress in wild-type and dark green leaf color mutant plants of Anthurium andraeanum "Sonate"™. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 258-270.	2.8	8
10566	Arabidopsis <i>PIRL6</i> Is Essential for Male and Female Gametogenesis and Is Regulated by Alternative Splicing. <i>Plant Physiology</i> , 2018, 178, 1154-1169.	2.3	14
10567	Glutamate triggers long-distance, calcium-based plant defense signaling. <i>Science</i> , 2018, 361, 1112-1115.	6.0	624
10568	Modulation of Guard Cell Turgor and Drought Tolerance by a Peroxisomal Acetate "Malate Shunt. <i>Molecular Plant</i> , 2018, 11, 1278-1291.	3.9	53
10569	Cotton CENTRORADIALIS/TERMINAL FLOWER 1/SELF-PRUNING genes functionally diverged to differentially impact plant architecture. <i>Journal of Experimental Botany</i> , 2018, 69, 5403-5417.	2.4	16
10570	Whole Genome Analysis of Cyclin Dependent Kinase (CDK) Gene Family in Cotton and Functional Evaluation of the Role of CDKF4 Gene in Drought and Salt Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2625.	1.8	51
10571	An AGAMOUS-like factor is associated with the origin of two domesticated varieties in Cymbidium sinense (Orchidaceae). <i>Horticulture Research</i> , 2018, 5, 48.	2.9	10
10572	Molecular characterization and expression analysis of the critical floral gene MdAGL24-like in red-fleshed apple. <i>Plant Science</i> , 2018, 276, 189-198.	1.7	5
10573	Nucleus- and plastid-targeted annexin 5 promotes reproductive development in Arabidopsis and is essential for pollen and embryo formation. <i>BMC Plant Biology</i> , 2018, 18, 183.	1.6	25

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10575	<i>Populus trichocarpa</i> PtNF-YA9, A Multifunctional Transcription Factor, Regulates Seed Germination, Abiotic Stress, Plant Growth and Development in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 954.	1.7	38
10576	Apple MdERF4 negatively regulates salt tolerance by inhibiting MdERF3 transcription. <i>Plant Science</i> , 2018, 276, 181-188.	1.7	30
10577	Phosphocode-dependent functional dichotomy of a common co-receptor in plant signalling. <i>Nature</i> , 2018, 561, 248-252.	13.7	126
10578	Arabidopsis UMAMIT24 and 25 are amino acid exporters involved in seed loading. <i>Journal of Experimental Botany</i> , 2018, 69, 5221-5232.	2.4	43
10579	MdMYB58 Modulates Fe Homeostasis by Directly Binding to the MdMATE43 Promoter in Plants. <i>Plant and Cell Physiology</i> , 2018, 59, 2476-2489.	1.5	23
10580	Successful floral clipping transformation of post-anthesis lisianthus (<i>Eustoma grandiflorum</i>) flowers. <i>Plant Journal</i> , 2018, 96, 869-879.	2.8	10
10581	<i>Arabidopsis</i> O-GlcNAc transferase <i>SEC</i> activates histone methyltransferase <i>ATX1</i> to regulate flowering. <i>EMBO Journal</i> , 2018, 37, .	3.5	47
10582	<i>bHLH093/NFL</i> and <i>bHLH061</i> are required for apical meristem function in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2018, 13, e1486146.	1.2	10
10583	The major nectar protein of <i>Brassica rapa</i> is a non-specific lipid transfer protein, BrLTP2.1, with strong antifungal activity. <i>Journal of Experimental Botany</i> , 2018, 69, 5587-5597.	2.4	28
10584	A BAHD neofunctionalization promotes tetrahydrocinnamoyl spermine accumulation in the pollen coats of the Asteraceae family. <i>Journal of Experimental Botany</i> , 2018, 69, 5355-5371.	2.4	12
10585	Improving agroinfiltration-based transient gene expression in <i>Nicotiana benthamiana</i> . <i>Plant Methods</i> , 2018, 14, 71.	1.9	139
10586	Identification of a novel promoter from banana aquaporin family gene (<i>MaTIP1;2</i>) which responds to drought and salt-stress in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 128, 163-169.	2.8	24
10587	Translational control of phloem development by RNA G-quadruplex "JULGI determines plant sink strength. <i>Nature Plants</i> , 2018, 4, 376-390.	4.7	50
10588	Overexpression of VaWRKY14 increases drought tolerance in Arabidopsis by modulating the expression of stress-related genes. <i>Plant Cell Reports</i> , 2018, 37, 1159-1172.	2.8	54
10589	Function of the evolutionarily conserved plant methionine-S-sulfoxide reductase without the catalytic residue. <i>Protoplasma</i> , 2018, 255, 1741-1750.	1.0	7
10590	MeBIK1, a novel cassava receptor-like cytoplasmic kinase, regulates PTI response of transgenic Arabidopsis. <i>Functional Plant Biology</i> , 2018, 45, 658.	1.1	6
10591	Functional diversification of <i>Arabidopsis</i> SEC1-related SM proteins in cytokinetic and secretory membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6309-6314.	3.3	23

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10593	The plant-parasitic cyst nematode effector GLAND4 is a DNA-binding protein. <i>Molecular Plant Pathology</i> , 2018, 19, 2263-2276.	2.0	31
10594	The Arabidopsis CrRLK1L protein kinases BUPS1 and BUPS2 are required for normal growth of pollen tubes in the pistil. <i>Plant Journal</i> , 2018, 95, 474-486.	2.8	53
10595	Identification and functional characterization of a MAX2 ortholog from switchgrass (<i>Panicum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	4
10596	Isolation and functional characterization of a floral repressor, BcFLC2, from Pak-choi (<i>Brassica rapa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	12
10597	Ectopic expression of sorbitol-6-phosphate 2-dehydrogenase gene from <i>Haloarcula marismortui</i> enhances salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	3
10598	Identification and expression pattern analysis of BoMYB51 involved in indolic glucosinolate biosynthesis from broccoli (<i>Brassica oleracea</i> var. <i>italica</i>). <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 598-604.	1.0	12
10599	Plant Endocytosis Requires the ER Membrane-Anchored Proteins VAP27-1 and VAP27-3. <i>Cell Reports</i> , 2018, 23, 2299-2307.	2.9	62
10600	Inner Envelope CHLOROPLAST MANGANESE TRANSPORTER 1 Supports Manganese Homeostasis and Phototrophic Growth in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2018, 11, 943-954.	3.9	71
10601	Phenotypic diversification by enhanced genome restructuring after induction of multiple DNA double-strand breaks. <i>Nature Communications</i> , 2018, 9, 1995.	5.8	28
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10603	<sc>LFR</sc> is functionally associated with <sc>AS</sc>2 to mediate leaf development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 95, 598-612.	2.8	11
10604	<i>Arabidopsis</i> inositol phosphate kinases <sc>IPK</sc>1 and <sc>ITPK</sc>1 constitute a metabolic pathway in maintaining phosphate homeostasis. <i>Plant Journal</i> , 2018, 95, 613-630.	2.8	79
10605	A Suppressor Screen for AGO1 Degradation by the Viral F-Box P0 Protein Uncovers a Role for AGO DUF1785 in sRNA Duplex Unwinding. <i>Plant Cell</i> , 2018, 30, 1353-1374.	3.1	44
10606	SEUSS and PIF4 Coordinately Regulate Light and Temperature Signaling Pathways to Control Plant Growth. <i>Molecular Plant</i> , 2018, 11, 928-942.	3.9	82
10607	Overexpression of AtPYL5 under the control of guard cell specific promoter improves drought stress tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 129, 150-157.	2.8	34
10608	Feedback regulation of COOLAIR expression controls seed dormancy and flowering time. <i>Science</i> , 2018, 360, 1014-1017.	6.0	98
10609	AtBET5 is essential for exine pattern formation and apical meristem organization in <i>Arabidopsis</i> . <i>Plant Science</i> , 2018, 274, 231-241.	1.7	12

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10610	Co-overexpression of AVP1 and PP2A-C5 in Arabidopsis makes plants tolerant to multiple abiotic stresses. <i>Plant Science</i> , 2018, 274, 271-283.	1.7	17
10611	Fatty acid desaturase 3 (PsFAD3) from <i>Paeonia suffruticosa</i> reveals high $\hat{\pm}$ -linolenic acid accumulation. <i>Plant Science</i> , 2018, 274, 212-222.	1.7	31
10612	Profilin Negatively Regulates Formin-Mediated Actin Assembly to Modulate PAMP-Triggered Plant Immunity. <i>Current Biology</i> , 2018, 28, 1882-1895.e7.	1.8	42
10613	AcERF2, an ethylene-responsive factor of <i>Atriplex canescens</i> , positively modulates osmotic and disease resistance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 274, 32-43.	1.7	28
10614	Salicylic acid-independent role of NPR1 is required for protection from proteotoxic stress in the plant endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5203-E5212.	3.3	68
10615	An Engineered Device for Indoleacetic Acid Production under Quorum Sensing Signals Enables <i>Cupriavidus pinatubonensis</i> JMP134 To Stimulate Plant Growth. <i>ACS Synthetic Biology</i> , 2018, 7, 1519-1527.	1.9	19
10616	Noncatalytic chalcone isomerase-fold proteins in <i>Humulus lupulus</i> are auxiliary components in prenylated flavonoid biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5223-E5232.	3.3	74
10617	Decoys Untangle Complicated Redundancy and Reveal Targets of Circadian Clock F-Box Proteins. <i>Plant Physiology</i> , 2018, 177, 1170-1186.	2.3	49
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10619	The Plastid Envelope CHLOROPLAST MANGANESE TRANSPORTER1 Is Essential for Manganese Homeostasis in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2018, 11, 955-969.	3.9	83
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10635	Chemical Activation of EDS1/PAD4 Signaling Leading to Pathogen Resistance in Arabidopsis. <i>Plant and Cell Physiology</i> , 2018, 59, 1592-1607.	1.5	31
10636	EMR, a cytosolic abundant ring finger E3 ligase, mediates ER-associated protein degradation in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2018, 220, 163-177.	3.5	24
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10647	An Immune-Responsive Cytoskeletal-Plasma Membrane Feedback Loop in Plants. <i>Current Biology</i> , 2018, 28, 2136-2144.e7.	1.8	32
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10652	Ectopic expression of FvWRKY42, a WRKY transcription factor from the diploid woodland strawberry (<i>Fragaria vesca</i>), enhances resistance to powdery mildew, improves osmotic stress resistance, and increases abscisic acid sensitivity in <i>Arabidopsis</i> . <i>Plant Science</i> , 2018, 275, 60-74.	1.7	53
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10656	Generation of Inducible Transgenic Lines of <i>Arabidopsis</i> Transcription Factors Regulated by MicroRNAs. <i>Methods in Molecular Biology</i> , 2018, 1830, 61-79.	0.4	4
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10661	PROTEIN PHOSPHATASE 2A and <i>TOPBP1</i> Maintain Centromeric Sister Chromatid Cohesion during Meiosis in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2018, 178, 317-328.	2.3	18
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10669	Constitutive Expression of miR408 Improves Biomass and Seed Yield in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 2114.	1.7	78
10670	BoALMT1, an Al-Induced Malate Transporter in Cabbage, Enhances Aluminum Tolerance in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2017, 8, 2156.	1.7	27
10671	Nictaba Homologs from Arabidopsis thaliana Are Involved in Plant Stress Responses. <i>Frontiers in Plant Science</i> , 2017, 8, 2218.	1.7	13
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10680	Heterologous Expression of the Cotton NBS-LRR Gene GbANA1 Enhances Verticillium Wilt Resistance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 119.	1.7	36
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10694	The Soybean Purple Acid Phosphatase GmPAP14 Predominantly Enhances External Phytate Utilization in Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 292.	1.7	48
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10703	The Soybean GmNARK Affects ABA and Salt Responses in Transgenic <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 514.	1.7	16
10704	The Grape VtWRKY3 Gene Promotes Abiotic and Biotic Stress Tolerance in Transgenic <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 545.	1.7	44
10705	Functional Conservation and Divergence of Soybean GmSTOP1 Members in Proton and Aluminum Tolerance. <i>Frontiers in Plant Science</i> , 2018, 9, 570.	1.7	27
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10712	Molecular Characterization of Magnesium Chelatase in Soybean [<i>Glycine max</i> (L.) Merr.]. <i>Frontiers in Plant Science</i> , 2018, 9, 720.	1.7	31
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10714	VvBAP1 Is Involved in Cold Tolerance in <i>Vitis vinifera</i> L.. <i>Frontiers in Plant Science</i> , 2018, 9, 726.	1.7	24
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10716	Plastid Envelope-Localized Proteins Exhibit a Stochastic Spatiotemporal Relationship to Stromules. <i>Frontiers in Plant Science</i> , 2018, 9, 754.	1.7	6
10717	Subunit Interaction Differences Between the Replication Factor C Complexes in <i>Arabidopsis</i> and Rice. <i>Frontiers in Plant Science</i> , 2018, 9, 779.	1.7	11
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10720	Identification and Functional Characterization of a Microtubule-Associated Protein, GhCLASP2, From Upland Cotton (<i>Gossypium hirsutum</i> L.). <i>Frontiers in Plant Science</i> , 2018, 9, 882.	1.7	28
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10722	Roles of pepper <i>bZIP</i> protein Ca <i>DILZ</i> 1 and its interacting partner <i>RING</i> type E3 ligase Ca <i>DSR</i> 1 in modulation of drought tolerance. <i>Plant Journal</i> , 2018, 96, 452-467.	2.8	68
10723	Molecular Characterization and Expression Analysis of GhWRI1 in Upland Cotton. <i>Journal of Plant Biology</i> , 2018, 61, 186-197.	0.9	6
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10726	Mutation of key amino acids in the polygalacturonase-inhibiting proteins Ck <i>PGIP</i> 1 and Gh <i>PGIP</i> 1 improves resistance to <i>Verticillium</i> wilt in cotton. <i>Plant Journal</i> , 2018, 96, 546-561.	2.8	14
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10730	Isolation and Characterization of the Flavonol Regulator CcMYB12 From the Globe Artichoke [<i>Cynara cardunculus</i> var. <i>scolymus</i> (L.) Fiori]. <i>Frontiers in Plant Science</i> , 2018, 9, 941.	1.7	25
10731	Sugar-responsive transcription factor <i>bZIP</i> 3 affects leaf shape in Arabidopsis plants. <i>Plant Biotechnology</i> , 2018, 35, 167-170.	0.5	15
10732	ATP boosts lit state formation and activity of Arabidopsis cryptochrome 2. <i>Plant Journal</i> , 2018, 96, 389-403.	2.8	14
10733	Gene Expression and Transcription Factor Binding Tests Using Mutated-Promoter Reporter Lines. <i>Methods in Molecular Biology</i> , 2018, 1830, 291-305.	0.4	4
10734	RNA-Dependent Epigenetic Silencing Directs Transcriptional Downregulation Caused by Intronic Repeat Expansions. <i>Cell</i> , 2018, 174, 1095-1105.e11.	13.5	16
10735	Expression of SULTR2;2, encoding a low-affinity sulphur transporter, in the Arabidopsis bundle sheath and vein cells is mediated by a positive regulator. <i>Journal of Experimental Botany</i> , 2018, 69, 4897-4906.	2.4	17
10736	The R2R3MYB Gene Family in <i>Phyllostachys edulis</i> : Genome-Wide Analysis and Identification of Stress or Development-Related R2R3MYBs. <i>Frontiers in Plant Science</i> , 2018, 9, 738.	1.7	45

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10738	The Maize NBS-LRR Gene ZmNBS25 Enhances Disease Resistance in Rice and Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 1033.	1.7	45
10739	Chloroplast Biogenesis Controlled by DELLA-TOC159 Interaction in Early Plant Development. <i>Current Biology</i> , 2018, 28, 2616-2623.e5.	1.8	44
10740	Natural Variation in <i>OsLG3</i> Increases Drought Tolerance in Rice by Inducing ROS Scavenging. <i>Plant Physiology</i> , 2018, 178, 451-467.	2.3	121
10741	A Specific Knockdown of Transcription Factor Activities in Arabidopsis. <i>Methods in Molecular Biology</i> , 2018, 1830, 81-92.	0.4	1
10742	COP9 signalosome subunit 5A affects phenylpropanoid metabolism, trichome formation and transcription of key genes of a regulatory tri-protein complex in Arabidopsis. <i>BMC Plant Biology</i> , 2018, 18, 134.	1.6	13
10743	Developmental role of the tomato Mediator complex subunit <i>MED18</i> in pollen ontogeny. <i>Plant Journal</i> , 2018, 96, 300-315.	2.8	21
10744	Buckwheat R2R3 MYB transcription factor FeMYBF1 regulates flavonol biosynthesis. <i>Plant Science</i> , 2018, 274, 466-475.	1.7	60
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10747	Transcriptome-Wide Analysis Reveals the Origin of <i>Peloria</i> in Chinese <i>Cymbidium</i> (<i>Cymbidium sinense</i>). <i>Plant and Cell Physiology</i> , 2018, 59, 2064-2074.	1.5	14
10748	<i>TRANSPARENT TESTA 4</i> -mediated flavonoids negatively affect embryonic fatty acid biosynthesis in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 2773-2790.	2.8	26
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10751	A Novel Sugar Transporter from <i>Dianthus spiculifolius</i> , DsSWEET12, Affects Sugar Metabolism and Confers Osmotic and Oxidative Stress Tolerance in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 497.	1.8	32
10752	Arabidopsis RETICULON-LIKE3 (RTNLB3) and RTNLB8 Participate in Agrobacterium-Mediated Plant Transformation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 638.	1.8	16
10753	Expression of <i>Vitis amurensis</i> VaERF20 in Arabidopsis thaliana Improves Resistance to Botrytis cinerea and Pseudomonas syringae pv. Tomato DC3000. <i>International Journal of Molecular Sciences</i> , 2018, 19, 696.	1.8	28
10754	Functional Characterization of the Steroid Reductase Genes GmDET2a and GmDET2b from Glycine max. <i>International Journal of Molecular Sciences</i> , 2018, 19, 726.	1.8	10
10755	Functional Analysis of Maize Silk-Specific ZmbZIP25 Promoter. <i>International Journal of Molecular Sciences</i> , 2018, 19, 822.	1.8	6

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10757	DsSWEET17, a Tonoplast-Localized Sugar Transporter from <i>Dianthus spiculifolius</i> , Affects Sugar Metabolism and Confers Multiple Stress Tolerance in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 1564.	1.8	34
10758	Design of a Seed-Specific Chimeric Promoter with a Modified Expression Profile to Improve Seed Oil Content. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1667.	1.8	6
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10760	Low Temperature-Enhanced Flavonol Synthesis Requires Light-Associated Regulatory Components in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 2099-2112.	1.5	55
10761	The NADPH-Dependent Thioredoxin Reductase Cys Peroxiredoxin Redox System Modulates the Activity of Thioredoxin x in <i>Arabidopsis</i> Chloroplasts. <i>Plant and Cell Physiology</i> , 2018, 59, 2155-2164.	1.5	21
10762	<i>Arabidopsis</i> Leaf Flatness Is Regulated by PPD2 and NINJA through Repression of <i>CYCLIN D3</i> Genes. <i>Plant Physiology</i> , 2018, 178, 217-232.	2.3	50
10763	Nucleus-Encoded Protein BFA1 Promotes Efficient Assembly of the Chloroplast ATP Synthase Coupling Factor 1. <i>Plant Cell</i> , 2018, 30, 1770-1788.	3.1	38
10764	Acidic cell elongation drives cell differentiation in the <i>Arabidopsis</i> root. <i>EMBO Journal</i> , 2018, 37, .	3.5	75
10765	Phragmoplast Orienting Kinesin 2 Is a Weak Motor Switching between Processive and Diffusive Modes. <i>Biophysical Journal</i> , 2018, 115, 375-385.	0.2	29
10766	Root stem cell niche organizer specification by molecular convergence of PLETHORA and SCARECROW transcription factor modules. <i>Genes and Development</i> , 2018, 32, 1085-1100.	2.7	100
10767	Isolation and Characterization of a Green-Tissue Promoter from Common Wild Rice (<i>Oryza rufipogon</i>) Tj ETQq1 1 0,784314 rgBT /Over	1.8	20
10768	Natural variation of CsSTOP1 in tea plant (<i>Camellia sinensis</i>) related to aluminum tolerance. <i>Plant and Soil</i> , 2018, 431, 71-87.	1.8	11
10769	The Maize ABA Receptors ZmPYL8, 9, and 12 Facilitate Plant Drought Resistance. <i>Frontiers in Plant Science</i> , 2018, 9, 422.	1.7	69
10770	Over-expression of SINAL7 increases biomass and drought tolerance, and also delays senescence in <i>Arabidopsis</i> . <i>Journal of Biotechnology</i> , 2018, 283, 11-21.	1.9	9
10771	Molecular Topology of the Transit Peptide during Chloroplast Protein Import. <i>Plant Cell</i> , 2018, 30, 1789-1806.	3.1	26
10772	The Protein Phosphatases ATUNIS1 and ATUNIS2 Regulate Cell Wall Integrity in Tip-Growing Cells. <i>Plant Cell</i> , 2018, 30, 1906-1923.	3.1	55
10773	CBL1-mediated phosphorylation enhances activity of the NADPH oxidase RBOHC, but is dispensable for root hair growth. <i>FEBS Letters</i> , 2018, 592, 2582-2593.	1.3	30

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10775	Genetic Transformation of Millets: The Way Ahead. , 2018, , 249-286.		3
10776	Resistance-gene-directed discovery of a natural-product herbicide with a new mode of action. <i>Nature</i> , 2018, 559, 415-418.	13.7	182
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10778	Coordination of Chloroplast Development through the Action of the GNC and GLK Transcription Factor Families. <i>Plant Physiology</i> , 2018, 178, 130-147.	2.3	85
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10780	NtRLK5, a novel RLK-like protein kinase from <i>Nicotiana glauca</i> , positively regulates drought tolerance in transgenic <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1235-1240.	1.0	3
10781	MAP KINASE PHOSPHATASE1 Controls Cell Fate Transition during Stomatal Development. <i>Plant Physiology</i> , 2018, 178, 247-257.	2.3	21
10782	Characterization of wheat (<i>Triticum aestivum</i>) TIFY family and role of <i>Triticum Durum</i> TdTIFY11a in salt stress tolerance. <i>PLoS ONE</i> , 2018, 13, e0200566.	1.1	53
10783	Temporal analysis of <i>Arabidopsis</i> genes activated by <i>Eucalyptus grandis</i> NAC transcription factors associated with xylem fibre and vessel development. <i>Scientific Reports</i> , 2018, 8, 10983.	1.6	16
10784	GhHUB2, a ubiquitin ligase, is involved in cotton fiber development via the ubiquitinâ€26S proteasome pathway. <i>Journal of Experimental Botany</i> , 2018, 69, 5059-5075.	2.4	29
10785	A Comprehensive Toolkit for Inducible, Cell Type-Specific Gene Expression in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2018, 178, 40-53.	2.3	73
10786	Constitutive Expression of <i>Aechmea fasciata</i> SPL14 (AfSPL14) Accelerates Flowering and Changes the Plant Architecture in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2085.	1.8	7
10787	The Putative Peptide Gene FEP1 Regulates Iron Deficiency Response in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 1739-1752.	1.5	101
10788	UV RESISTANCE LOCUS 8 From <i>Chrysanthemum morifolium</i> Ramat (CmUVR8) Plays Important Roles in UV-B Signal Transduction and UV-B-Induced Accumulation of Flavonoids. <i>Frontiers in Plant Science</i> , 2018, 9, 955.	1.7	29
10789	Stress granule formation is induced by a threshold temperature rather than a temperature difference in <i>Arabidopsis</i> . <i>Journal of Cell Science</i> , 2018, 131, .	1.2	27
10790	The heat responsive wheat TaRAD23 rescues developmental and thermotolerant defects of the rad23b mutant in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 274, 23-31.	1.7	6
10791	Acid phosphatase gene GmHAD1 linked to low phosphorus tolerance in soybean, through fine mapping. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1715-1728.	1.8	26

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10792	Analysis of pcC13-62 promoters predicts a link between cis-element variations and desiccation tolerance in Linderniaceae. <i>Journal of Experimental Botany</i> , 2018, 69, 3773-3784.	2.4	23
10793	Gain of function mutations in beet <i>DODA2</i> identify key residues for betalain pigment evolution. <i>New Phytologist</i> , 2018, 219, 287-296.	3.5	25
10794	Metabolic reconstructions identify plant 3-methylglutaconyl-CoA hydratase that is crucial for branched-chain amino acid catabolism in mitochondria. <i>Plant Journal</i> , 2018, 95, 358-370.	2.8	14
10795	The walnut <i>JrVHAG1</i> gene is involved in cadmium stress response through ABA-signal pathway and MYB transcription regulation. <i>BMC Plant Biology</i> , 2018, 18, 19.	1.6	49
10796	Ectopic expression of the apple nucleus-encoded thylakoid protein <i>MdY3IP1</i> triggers early-flowering and enhanced salt-tolerance in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2018, 18, 18.	1.6	20
10797	Gene stacking of multiple traits for high yield of fermentable sugars in plant biomass. <i>Biotechnology for Biofuels</i> , 2018, 11, 2.	6.2	38
10798	Identification of the WRKY gene family and functional analysis of two genes in <i>Caragana intermedia</i> . <i>BMC Plant Biology</i> , 2018, 18, 31.	1.6	47
10799	<i>Erysimum cheiranthoides</i> , an ecological research system with potential as a genetic and genomic model for studying cardiac glycoside biosynthesis. <i>Phytochemistry Reviews</i> , 2018, 17, 1239-1251.	3.1	18
10800	Locus-specific control of the de novo DNA methylation pathway in <i>Arabidopsis</i> by the CLASSY family. <i>Nature Genetics</i> , 2018, 50, 865-873.	9.4	103
10801	Role of <i>Arabidopsis</i> LOR1 (URP-one related one) in basal defense against <i>Hyaloperonospora arabidopsidis</i> . <i>Physiological and Molecular Plant Pathology</i> , 2018, 103, 71-77.	1.3	9
10802	Highly preserved roles of Brassica MIR172 in polyploid Brassicas: ectopic expression of variants of Brassica MIR172 accelerates floral transition. <i>Molecular Genetics and Genomics</i> , 2018, 293, 1121-1138.	1.0	16
10803	Genes for seed longevity in barley identified by genomic analysis on near isogenic lines. <i>Plant, Cell and Environment</i> , 2018, 41, 1895-1911.	2.8	11
10804	Purple Brassica oleracea var. capitata F. rubra is due to the loss of <i>BoMYBL2</i> expression. <i>BMC Plant Biology</i> , 2018, 18, 82.	1.6	45
10805	Diurnal down-regulation of ethylene biosynthesis mediates biomass heterosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5606-5611.	3.3	49
10806	The novel cyst nematode effector protein 30D08 targets host nuclear functions to alter gene expression in feeding sites. <i>New Phytologist</i> , 2018, 219, 697-713.	3.5	38
10807	Functional Role of Fibrillin5 in Acclimation to Photooxidative Stress. <i>Plant and Cell Physiology</i> , 2018, 59, 1670-1682.	1.5	11
10808	<i>Arabidopsis</i> VQ10 interacts with WRKY8 to modulate basal defense against <i>Botrytis cinerea</i> . <i>Journal of Integrative Plant Biology</i> , 2018, 60, 956-969.	4.1	40
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10811	HOP family plays a major role in long-term acquired thermotolerance in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 1852-1869.	2.8	37
10812	Contrasting duplication patterns reflect functional diversities of <i>ubiquitin</i> and <i>ubiquitin</i> -like protein modifiers in plants. <i>Plant Journal</i> , 2018, 95, 296-311.	2.8	11
10813	A nuclear-encoded protein, mTERF6, mediates transcription termination of <i>rpoA</i> polycistron for plastid-encoded RNA polymerase-dependent chloroplast gene expression and chloroplast development. <i>Scientific Reports</i> , 2018, 8, 11929.	1.6	31
10814	Multiplex mutagenesis of four clustered CrRLK1L with CRISPR/Cas9 exposes their growth regulatory roles in response to metal ions. <i>Scientific Reports</i> , 2018, 8, 12182.	1.6	61
10815	N ⁺ -Acetyltransferases 10 and 15 are Required for the Correct Initiation of Endosperm Cellularization in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 2113-2128.	1.5	15
10816	The signaling peptide-encoding genes CLE16, CLE17 and CLE27 are dispensable for <i>Arabidopsis</i> shoot apical meristem activity. <i>PLoS ONE</i> , 2018, 13, e0202595.	1.1	10
10817	Glucose Uptake via STP Transporters Inhibits in Vitro Pollen Tube Growth in a HEXOKINASE1-Dependent Manner in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2018, 30, 2057-2081.	3.1	49
10818	The loss of a single residue from CmFTL3 leads to the failure of florigen to flower. <i>Plant Science</i> , 2018, 276, 99-104.	1.7	5
10819	Characterization of wheat TaSnRK2.7 promoter in <i>Arabidopsis</i> . <i>Planta</i> , 2018, 248, 1393-1401.	1.6	8
10820	Contribution of isopentenyl phosphate to plant terpenoid metabolism. <i>Nature Plants</i> , 2018, 4, 721-729.	4.7	100
10821	A novel glycosyltransferase catalyses the transfer of glucose to glucosylated anthocyanins in purple sweet potato. <i>Journal of Experimental Botany</i> , 2018, 69, 5444-5459.	2.4	26
10822	Overexpression of a Phosphate Starvation Response AP2/ERF Gene From Physic Nut in <i>Arabidopsis</i> Alters Root Morphological Traits and Phosphate Starvation-Induced Anthocyanin Accumulation. <i>Frontiers in Plant Science</i> , 2018, 9, 1186.	1.7	36
10823	AmDREB2C, from <i>Ammopiptanthus mongolicus</i> , enhances abiotic stress tolerance and regulates fatty acid composition in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 130, 517-528.	2.8	23
10824	B-BOX DOMAIN PROTEIN28 Negatively Regulates Photomorphogenesis by Repressing the Activity of Transcription Factor HY5 and Undergoes COP1-Mediated Degradation. <i>Plant Cell</i> , 2018, 30, 2006-2019.	3.1	105
10825	The wheat TdRL1 is the functional homolog of the rice RSS1 and promotes plant salt stress tolerance. <i>Plant Cell Reports</i> , 2018, 37, 1625-1637.	2.8	3
10826	Antagonistic Roles of PhyA and PhyB in Far-Red Light-Dependent Leaf Senescence in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 1753-1764.	1.5	37
10827	NAC Transcription Factors ANAC087 and ANAC046 Control Distinct Aspects of Programmed Cell Death in the <i>Arabidopsis</i> Columella and Lateral Root Cap. <i>Plant Cell</i> , 2018, 30, 2197-2213.	3.1	96

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10828	Plastidial Phosphoglucose Isomerase Is an Important Determinant of Seed Yield through Its Involvement in Gibberellin-Mediated Reproductive Development and Storage Reserve Biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 2082-2098.	3.1	15
10829	Overexpression of the rice gene OsSIZ1 in Arabidopsis improves drought-, heat-, and salt-tolerance simultaneously. <i>PLoS ONE</i> , 2018, 13, e0201716.	1.1	41
10830	Maize similar to RCD1 gene induced by salt enhances Arabidopsis thaliana abiotic stress resistance. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2625-2632.	1.0	11
10831	Phosphoinositides control the localization of HOPS subunit VPS41, which together with VPS33 mediates vacuole fusion in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8305-E8314.	3.3	34
10832	AtCaM4 interacts with a Sec14-like protein, PATL1, to regulate freezing tolerance in Arabidopsis in a CBF-independent manner. <i>Journal of Experimental Botany</i> , 2018, 69, 5241-5253.	2.4	36
10833	Knock-Down of Arabidopsis PLC5 Reduces Primary Root Growth and Secondary Root Formation While Overexpression Improves Drought Tolerance and Causes Stunted Root Hair Growth. <i>Plant and Cell Physiology</i> , 2018, 59, 2004-2019.	1.5	41
10834	The RAF-like mitogen-activated protein kinase kinases RAF22 and RAF28 are required for the regulation of embryogenesis in Arabidopsis. <i>Plant Journal</i> , 2018, 96, 734-747.	2.8	17
10835	Exploring potential roles for the interaction of MOM1 with SUMO and the SUMO E3 ligase-like protein PIAL2 in transcriptional silencing. <i>PLoS ONE</i> , 2018, 13, e0202137.	1.1	5
10836	Heterologous Expression of a Novel Zoysia japonica C2H2 Zinc Finger Gene, ZjZFN1, Improved Salt Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 1159.	1.7	34
10837	A role of ETR1 in regulating leaf petiole elongation mediated by elevated temperature in Arabidopsis. <i>Plant Growth Regulation</i> , 2018, 86, 311-321.	1.8	0
10838	Ac<sc>FT</sc> promotes kiwifruit in vitro flowering when overexpressed and Arabidopsis flowering when expressed in the vasculature under its own promoter. <i>Plant Direct</i> , 2018, 2, e00068.	0.8	11
10839	Novel gene encoding a unique luciferase from the fireworm <i>Odontsyllis undecimdonga</i> . <i>Scientific Reports</i> , 2018, 8, 12789.	1.6	16
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10841	miR172 Regulates both Vegetative and Reproductive Development in the Perennial Woody Plant <i>Jatropha curcas</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 2549-2563.	1.5	28
10842	A tomato ERF transcription factor, SIERF84, confers enhanced tolerance to drought and salt stress but negatively regulates immunity against <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 683-695.	2.8	66
10843	Impairment of FtsHi5 Function Affects Cellular Redox Balance and Photorespiratory Metabolism in Arabidopsis. <i>Plant and Cell Physiology</i> , 2018, 59, 2526-2535.	1.5	14
10844	Shedding light on the methylerythritol phosphate (<sc>MEP</sc>) pathway: long hypocotyl 5 (<sc>HY</sc>5)/phytochrome-interacting factors (<sc>PIF</sc>s) transcription factors modulating key limiting steps. <i>Plant Journal</i> , 2018, 96, 828-841.	2.8	30
10845	Dynamic regulation of <sc>PIF</sc>5 by <sc>COP</sc>1 and <sc>SPA</sc> complex to optimize photomorphogenesis in Arabidopsis. <i>Plant Journal</i> , 2018, 96, 260-273.	2.8	35

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10847	<i>Arabidopsis</i> Protein Kinase D6PKL3 Is Involved in the Formation of Distinct Plasma Membrane Aperture Domains on the Pollen Surface. <i>Plant Cell</i> , 2018, 30, 2038-2056.	3.1	28
10848	Overexpression of a SBP-Box Gene (VpSBP16) from Chinese Wild <i>Vitis</i> Species in <i>Arabidopsis</i> Improves Salinity and Drought Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2018, 19, 940.	1.8	50
10849	The AP-1 Complex is Required for Proper Mucilage Formation in <i>Arabidopsis</i> Seeds. <i>Plant and Cell Physiology</i> , 2018, 59, 2331-2338.	1.5	15
10850	Evolutionary Diversification of the HAP2 membrane insertion motifs to drive gamete fusion across eukaryotes. <i>PLoS Biology</i> , 2018, 16, e2006357.	2.6	51
10851	Expression of barley <i>Glutathione S-Transferase13</i> gene reduces accumulation of reactive oxygen species by trichothecenes and paraquat in <i>Arabidopsis</i> plants. <i>Plant Biotechnology</i> , 2018, 35, 71-79.	0.5	14
10852	Ectopic BASL Reveals Tissue Cell Polarity throughout Leaf Development in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2018, 28, 2638-2646.e4.	1.8	55
10853	Identification of cold-related miRNAs in sugarcane by small RNA sequencing and functional analysis of a cold inducible ScmiR393 to cold stress. <i>Environmental and Experimental Botany</i> , 2018, 155, 464-476.	2.0	21
10854	Maize 16-kD β -zein forms very unusual disulfide-bonded polymers in the endoplasmic reticulum: implications for prolamin evolution. <i>Journal of Experimental Botany</i> , 2018, 69, 5013-5027.	2.4	16
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10856	<i>Arabidopsis</i> Lunapark proteins are involved in ER cisternae formation. <i>New Phytologist</i> , 2018, 219, 990-1004.	3.5	29
10857	An efficient CRISPR vector toolbox for engineering large deletions in <i>Arabidopsis thaliana</i> . <i>Plant Methods</i> , 2018, 14, 65.	1.9	70
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10859	Proteomic discovery of H ₂ O ₂ response in roots and functional characterization of PutGLP gene from alkaligrass. <i>Planta</i> , 2018, 248, 1079-1099.	1.6	18
10860	ABCF3 regulates the expression of aquaporin genes and endoplasmic reticulum stress-related genes in <i>Arabidopsis</i> . <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 215-222.	1.1	4
10861	PUX10 Is a CDC48A Adaptor Protein That Regulates the Extraction of Ubiquitinated Oleosins from Seed Lipid Droplets in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 2116-2136.	3.1	64
10862	The <i>Arabidopsis</i> Elongator Subunit ELP3 and ELP4 Confer Resistance to Bacterial Speck in Tomato. <i>Frontiers in Plant Science</i> , 2018, 9, 1066.	1.7	11
10863	Sequestration of a Transposon-Derived siRNA by a Target Mimic Imprinted Gene Induces Postzygotic Reproductive Isolation in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2018, 46, 696-705.e4.	3.1	40

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10865	<i>Fusarium graminearum</i> ATP-Binding Cassette Transporter Gene FgABCC9 Is Required for Its Transportation of Salicylic Acid, Fungicide Resistance, Mycelial Growth and Pathogenicity towards Wheat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2351.	1.8	20
10866	The Arabidopsis LDL1/2-HDA6 histone modification complex is functionally associated with CCA1/LHY in regulation of circadian clock genes. <i>Nucleic Acids Research</i> , 2018, 46, 10669-10681.	6.5	52
10867	Two Genes Encoding a Bacterial-Type ATP-Binding Cassette Transporter are Implicated in Aluminum Tolerance in Buckwheat. <i>Plant and Cell Physiology</i> , 2018, 59, 2502-2511.	1.5	14
10868	Synaptotagmin-Associated Endoplasmic Reticulum-Plasma Membrane Contact Sites Are Localized to Immobile ER Tubules. <i>Plant Physiology</i> , 2018, 178, 641-653.	2.3	27
10869	Dissecting promoter of <i>InMYB1</i> gene showing petal-specific expression. <i>Plant Biotechnology</i> , 2018, 35, 243-248.	0.5	5
10870	Vacuolar processing enzyme (VvVPE) from <i>Vitis vinifera</i> , processes seed proteins during ovule development, and accelerates seed germination in VvVPE heterologously over-expressed Arabidopsis. <i>Plant Science</i> , 2018, 274, 420-431.	1.7	18
10871	Improved G-AgarTrap: A highly efficient transformation method for intact gemmalings of the liverwort <i>Marchantia polymorpha</i> . <i>Scientific Reports</i> , 2018, 8, 10800.	1.6	39
10872	Specialized Plastids Trigger Tissue-Specific Signaling for Systemic Stress Response in Plants. <i>Plant Physiology</i> , 2018, 178, 672-683.	2.3	55
10873	Characterization and functional analysis of a plastidial FAD6 gene and its promoter in the mesocarp of oil palm (<i>Elaeis guineensis</i>). <i>Scientia Horticulturae</i> , 2018, 239, 163-170.	1.7	11
10874	Targeting detoxification genes by phloem-mediated RNAi: A new approach for controlling phloem-feeding insect pests. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 100, 10-21.	1.2	49
10875	Potential contribution of strigolactones in regulating scion growth and branching in grafted grapevine in response to nitrogen availability. <i>Journal of Experimental Botany</i> , 2018, 69, 4099-4112.	2.4	22
10876	A noncoding <i>RNA</i> transcribed from the <i>AGAMOUS</i> (<i>AG</i>) second intron binds to <i>CURLY LEAF</i> and represses <i>AG</i> expression in leaves. <i>New Phytologist</i> , 2018, 219, 1480-1491.	3.5	76
10877	Receptor-Like Cytoplasmic Kinases Directly Link Diverse Pattern Recognition Receptors to the Activation of Mitogen-Activated Protein Kinase Cascades in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 1543-1561.	3.1	219
10878	Ethylene promotes cadmium-induced root growth inhibition through <i>EIN3</i> controlled <i>XTH33</i> and <i>LSU1</i> expression in <i>Arabidopsis</i> .	2.8	44
10879	Ectopic expression of GhCOBL9A, a cotton glycosyl-phosphatidyl inositol-anchored protein encoding gene, promotes cell elongation, thickening and increased plant biomass in transgenic Arabidopsis. <i>Molecular Genetics and Genomics</i> , 2018, 293, 1191-1204.	1.0	15
10880	Cytokinin is involved in TPS22-mediated selenium tolerance in Arabidopsis thaliana. <i>Annals of Botany</i> , 2018, 122, 501-512.	1.4	17
10881	Three cytosolic glutamine synthetase isoforms localized in different-order veins act together for N remobilization and seed filling in Arabidopsis. <i>Journal of Experimental Botany</i> , 2018, 69, 4379-4393.	2.4	51

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10883	Transcriptional control and exploitation of an immune-responsive family of plant retrotransposons. <i>EMBO Journal</i> , 2018, 37, .	3.5	45
10884	<i>Camelina sativa</i> , an oilseed at the nexus between model system and commercial crop. <i>Plant Cell Reports</i> , 2018, 37, 1367-1381.	2.8	32
10885	ERF72 interacts with ARF6 and BZR1 to regulate hypocotyl elongation in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 3933-3947.	2.4	61
10886	The KNOXI Transcription Factor SHOOT MERISTEMLESS Regulates Floral Fate in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 1309-1321.	3.1	23
10887	Changes in mitochondrial DNA levels during early embryogenesis in <i>Torenia fournieri</i> and <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 95, 785-795.	2.8	25
10888	Functional Analysis of Short Linear Motifs in the Plant Cyclin-Dependent Kinase Inhibitor SIAMESE. <i>Plant Physiology</i> , 2018, 177, 1569-1579.	2.3	12
10889	A versatile and robust <i>Agrobacterium</i> -based gene stacking system generates high-quality transgenic <i>Arabidopsis</i> plants. <i>Plant Journal</i> , 2018, 95, 573-583.	2.8	43
10890	Over-expression of a plasma membrane H ⁺ -ATPase SpAHA1 conferred salt tolerance to transgenic <i>Arabidopsis</i> . <i>Protoplasma</i> , 2018, 255, 1827-1837.	1.0	22
10891	A Dual sgRNA Approach for Functional Genomics in <i>Arabidopsis thaliana</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2603-2615.	0.8	37
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10893	A subset of plasma membrane-localized PP2C.D phosphatases negatively regulate SAUR-mediated cell expansion in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2018, 14, e1007455.	1.5	92
10894	CLASP promotes stable tethering of endoplasmic microtubules to the cell cortex to maintain cytoplasmic stability in <i>Arabidopsis</i> meristematic cells. <i>PLoS ONE</i> , 2018, 13, e0198521.	1.1	6
10895	Identification and functional analysis of two alternatively spliced transcripts of ABSCISIC ACID INSENSITIVE3 (ABI3) in linseed flax (<i>Linum usitatissimum</i> L.). <i>PLoS ONE</i> , 2018, 13, e0191910.	1.1	7
10896	Tomato leaf curl Yunnan virus-encoded C4 induces cell division through enhancing stability of Cyclin D 1.1 via impairing NbSKI ¹ -mediated phosphorylation in <i>Nicotiana benthamiana</i> . <i>PLoS Pathogens</i> , 2018, 14, e1006789.	2.1	93
10897	The root-knot nematode effector MiPFN3 disrupts plant actin filaments and promotes parasitism. <i>PLoS Pathogens</i> , 2018, 14, e1006947.	2.1	42
10898	A potential efflux boron transporter gene GsBOR2, positively regulates <i>Arabidopsis</i> bicarbonate tolerance. <i>Plant Science</i> , 2018, 274, 284-292.	1.7	8
10899	Control of seed dormancy and germination by DOG1-AHG1 PP2C phosphatase complex via binding to heme. <i>Nature Communications</i> , 2018, 9, 2132.	5.8	138

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10901	Functional and Evolutionary Characterization of the CONSTANS-like Family in <i>Lilium formolongi</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 1874-1888.	1.5	23
10902	Establishment of genetically encoded biosensors for cytosolic boric acid in plant cells. <i>Plant Journal</i> , 2018, 95, 763-774.	2.8	13
10903	Heterologous Expression of Key C and N Metabolic Enzymes Improves Re-assimilation of Photorespired CO ₂ and NH ₃ , and Growth. <i>Plant Physiology</i> , 2018, 177, 1396-1409.	2.3	15
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10905	The Novel Rose MYB Transcription Factor RhMYB96 Enhances Salt Tolerance in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2018, 36, 406-417.	1.0	11
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10911	In planta proximity dependent biotin identification (BioID). <i>Scientific Reports</i> , 2018, 8, 9212.	1.6	70
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10913	Abscisic acid catabolism enhances dormancy release of grapevine buds. <i>Plant, Cell and Environment</i> , 2018, 41, 2490-2503.	2.8	52
10914	Gibberellins negatively modulate ovule number in plants. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	41
10915	In vivo lipid tag and track™ approach shows acyl editing of plastid lipids and chloroplast import of phosphatidylglycerol precursors in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 95, 1129-1139.	2.8	15
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10917	Isolation and functional characterization of two 5-O-glucosyltransferases related to anthocyanin biosynthesis from <i>Freesia hybrida</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 135, 99-110.	1.2	10

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10919	A Sodium Transporter HvHKT1;1 Confers Salt Tolerance in Barley via Regulating Tissue and Cell Ion Homeostasis. Plant and Cell Physiology, 2018, 59, 1976-1989.	1.5	66
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10923	<i>LcFIN2</i>, a novel chloroplast protein gene from sheepgrass, enhances tolerance to low temperature in Arabidopsis and rice. Physiologia Plantarum, 2019, 166, 628-645.	2.6	12
10924	Gb<sc>SOBIR</sc>1 confers <i>Verticillium</i> wilt resistance by phosphorylating the transcriptional factor Gbb<sc>HLH</sc>171 in <i>Gossypium barbadense</i>. Plant Biotechnology Journal, 2019, 17, 152-163.	4.1	33
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10929	Distinct branches of the N-end rule pathway modulate the plant immune response. New Phytologist, 2019, 221, 988-1000.	3.5	59
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10933	The central circadian clock proteins CCA1 and LHY regulate iron homeostasis in <i>Arabidopsis</i>. Journal of Integrative Plant Biology, 2019, 61, 168-181.	4.1	16
10934	Hypoxia and the group VII ethylene response transcription factor HRE2 promote adventitious root elongation in <i>Arabidopsis</i>. Plant Biology, 2019, 21, 103-108.	1.8	43
10935	<sc>ABRE</sc>-<sc>BINDING FACTORS</sc> play a role in the feedback regulation of <sc>ABA</sc> signaling by mediating rapid <sc>ABA</sc> induction of <sc>ABA</sc> co-receptor genes. New Phytologist, 2019, 221, 341-355.	3.5	151

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10956	A tetraspanin gene regulating auxin response and affecting orchid perianth size and various plant developmental processes. <i>Plant Direct</i> , 2019, 3, e00157.	0.8	9
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10966	Depicting the Core Transcriptome Modulating Multiple Abiotic Stresses Responses in Sesame (<i>Sesamum</i>) Tj ETQq0,0,0 rgBT /Overlock 1	1.8	45
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10968	Variation in Expression of the HECT E3 Ligase <i>UPL3</i> Modulates LEC2 Levels, Seed Size, and Crop Yields in <i>Brassica napus</i> . <i>Plant Cell</i> , 2019, 31, 2370-2385.	3.1	38
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10973	LSD1-LIKE1-Mediated H3K4me2 Demethylation Is Required for Homologous Recombination Repair. <i>Plant Physiology</i> , 2019, 181, 499-509.	2.3	16
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10975	Inhibition of Pre-mRNA Splicing Promotes Root Hair Development in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2019, 60, 1974-1985.	1.5	8
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10983	Development of a Heat-Inducible Gene Expression System Using Female Gametophytes of Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2019, 60, 2564-2572.	1.5	9
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10991	Genome-wide transcriptomic analysis of a desert willow, <i>Salix psammophila</i> , reveals the function of hub genes SpMDP1 and SpWRKY33 in drought tolerance. <i>BMC Plant Biology</i> , 2019, 19, 356.	1.6	11
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10993	Development of a Gateway-compatible two-component expression vector system for plants. <i>Transgenic Research</i> , 2019, 28, 561-572.	1.3	4
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11005	TRANSPORTER OF IBA1 Links Auxin and Cytokinin to Influence Root Architecture. <i>Developmental Cell</i> , 2019, 50, 599-609.e4.	3.1	37
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11013	Class I TCP Transcription Factors Target the Gibberellin Biosynthesis Gene <i>GA20ox1</i> and the Growth-Promoting Genes <i>HBI1</i> and <i>PRE6</i> during Thermomorphogenic Growth in <i>Arabidopsis</i>. Plant and Cell Physiology, 2019, 60, 1633-1645.	1.5	49
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11019	A Physic Nut Stress-Responsive HD-Zip Transcription Factor, JcHDZ07, Confers Enhanced Sensitivity to Salinity Stress in Transgenic Arabidopsis. Frontiers in Plant Science, 2019, 10, 942.	1.7	25
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11021	A non-LTR retrotransposon activates anthocyanin biosynthesis by regulating a MYB transcription factor in <i>Capsicum annuum</i> . Plant Science, 2019, 287, 110181.	1.7	42
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11025	Expression and Functional Analyses of Five B-class Genes in the Grape Hyacinth (<i>Tj ETQq1 1 0.784314 rgBT 3/Overloc	0.3	3

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11037	A bidirectional promoter from Papaya leaf crumple virus functions in both monocot and dicot plants. <i>Physiological and Molecular Plant Pathology</i> , 2019, 108, 101423.	1.3	6
11038	Genome-wide identification, expression and functional analysis of <i>Populus</i> xylogen-like genes. <i>Plant Science</i> , 2019, 287, 110191.	1.7	3
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11040	Overexpression of <i>Vitis vinifera</i> VvbZIP60 enhances <i>Arabidopsis</i> resistance to powdery mildew via the salicylic acid signaling pathway. <i>Scientia Horticulturae</i> , 2019, 256, 108640.	1.7	20
11041	Characterization of the western white pine TIR-NBS-LRR (<i>PmTNL2</i>) gene by transcript profiling and promoter analysis. <i>Genome</i> , 2019, 62, 477-488.	0.9	5
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11056	The Maize Clade A PP2C Phosphatases Play Critical Roles in Multiple Abiotic Stress Responses. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3573.	1.8	57
11057	PGPR-induced OsASR6 improves plant growth and yield by altering root auxin sensitivity and the xylem structure in transgenic <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2019, 240, 153010.	1.6	34
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11059	Melatonin enhances cotton immunity to <i>Verticillium</i> wilt via manipulating lignin and gossypol biosynthesis. <i>Plant Journal</i> , 2019, 100, 784-800.	2.8	107
11060	Expression of AoNHX1 increases salt tolerance of rice and <i>Arabidopsis</i> , and bHLH transcription factors regulate AtNHX1 and AtNHX6 in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2019, 38, 1299-1315.	2.8	44
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11064	Establishment of transgenic marigold using the floral dip method. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	5
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11066	Gene-Wide Analysis of Aquaporin Gene Family in <i>Malus domestica</i> and Heterologous Expression of the Gene <i>MpPIP2;1</i> Confers Drought and Salinity Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 3710.	1.8	21
11067	<i>PaMYB82</i> from <i>Platanus acerifolia</i> regulates trichome development in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2019, 287, 110177.	1.7	5
11068	Oxidative post-translational modification of EXECUTER1 is required for singlet oxygen sensing in plastids. <i>Nature Communications</i> , 2019, 10, 2834.	5.8	83
11069	6-SFT, a Protein from <i>Leymus mollis</i> , Positively Regulates Salinity Tolerance and Enhances Fructan Levels in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2691.	1.8	6
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11073	The repressive role of <i>Arabidopsis</i> H2A.Z in transcriptional regulation depends on <i>AtBMI1</i> activity. <i>Nature Communications</i> , 2019, 10, 2828.	5.8	67
11074	An unreported NB-LRR protein SUT 1 is required for the autoimmune response mediated by type one protein phosphatase 4 mutation (<i>topp4-1</i>) in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 100, 357-373.	2.8	17
11075	Coordinated Regulation of Pre-mRNA Splicing by the SFPS-RRC1 Complex to Promote Photomorphogenesis. <i>Plant Cell</i> , 2019, 31, 2052-2069.	3.1	38
11076	The long noncoding RNA <i>T5120</i> regulates nitrate response and assimilation in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2019, 224, 117-131.	3.5	55
11077	Meiotic DNA Repair in the Nucleolus Employs a Nonhomologous End-Joining Mechanism. <i>Plant Cell</i> , 2019, 31, 2259-2275.	3.1	40
11078	Perturbations of the ZED1 pseudokinase activate plant immunity. <i>PLoS Pathogens</i> , 2019, 15, e1007900.	2.1	43
11079	The Copper Amine Oxidase <i>AtCuAO</i> Participates in Abscisic Acid-Induced Stomatal Closure in <i>Arabidopsis</i> . <i>Plants</i> , 2019, 8, 183.	1.6	29

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11081	Roles of pepper <i>bZIP</i> transcription factor <i>CaATBZ1</i> and its interacting partner <i>RING</i> type E3 ligase <i>CaASRF1</i> in modulation of <i>ABA</i> signalling and drought tolerance. <i>Plant Journal</i> , 2019, 100, 399-410.	2.8	52
11082	The Arabidopsis ATP-BINDING CASSETTE Transporter ABCB21 Regulates Auxin Levels in Cotyledons, the Root Pericycle, and Leaves. <i>Frontiers in Plant Science</i> , 2019, 10, 806.	1.7	33
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11088	Genome-wide identification and characterization of TALE superfamily genes in cotton reveals their functions in regulating secondary cell wall biosynthesis. <i>BMC Plant Biology</i> , 2019, 19, 432.	1.6	31
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11090	Genome-Wide Identification of Direct Targets of the TTG1-bHLH-MYB Complex in Regulating Trichome Formation and Flavonoid Accumulation in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 5014.	1.8	25
11091	Castor patatin-like phospholipase A III ² facilitates removal of hydroxy fatty acids from phosphatidylcholine in transgenic <i>Arabidopsis</i> seeds. <i>Plant Molecular Biology</i> , 2019, 101, 521-536.	2.0	12
11092	Characterization of HemY-type protoporphyrinogen IX oxidase genes from cyanobacteria and their functioning in transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2019, 101, 561-574.	2.0	7
11093	Functional and genomic characterization of a wound- and methyl jasmonate-inducible chalcone isomerase in <i>Eremochloa ophiuroides</i> [Munro] Hack. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 355-364.	2.8	4
11094	The Saltol QTL-localized transcription factor OsGATA8 plays an important role in stress tolerance and seed development in <i>Arabidopsis</i> and rice. <i>Journal of Experimental Botany</i> , 2020, 71, 684-698.	2.4	37
11095	A leucine-rich repeat-receptor-like kinase gene SbER2 ¹ from sorghum (<i>Sorghum bicolor</i> L.) confers drought tolerance in maize. <i>BMC Genomics</i> , 2019, 20, 737.	1.2	27
11096	Identification and Validation of Candidate Genes Involved in Fatty Acid Content in Oil Palm by Genome-Wide Association Analysis. <i>Frontiers in Plant Science</i> , 2019, 10, 1263.	1.7	24
11097	Inositol Pyrophosphate InsP8 Acts as an Intracellular Phosphate Signal in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2019, 12, 1463-1473.	3.9	143

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11099	The Heterologous Expression of a <i>Chrysanthemum nankingense</i> TCP Transcription Factor Blocks Cell Division in Yeast and <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 4848.	1.8	7
11100	Gradient Expression of Transcription Factor Imposes a Boundary on Organ Regeneration Potential in Plants. <i>Cell Reports</i> , 2019, 29, 453-463.e3.	2.9	33
11101	Overexpressing the Myrosinase Gene TGG1 Enhances Stomatal Defense Against <i>Pseudomonas syringae</i> and Delays Flowering in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1230.	1.7	18
11102	Proteomic analysis of affinity-purified 26S proteasomes identifies a suite of assembly chaperones in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 17570-17592.	1.6	17
11103	Basic Proline-Rich Protein-Mediated Microtubules Are Essential for Lobe Growth and Flattened Cell Geometry. <i>Plant Physiology</i> , 2019, 181, 1535-1551.	2.3	23
11104	MicroRNA Dynamics and Functions During <i>Arabidopsis</i> Embryogenesis. <i>Plant Cell</i> , 2019, 31, 2929-2946.	3.1	51
11105	AsWRKY44 represses the wound-induced sesquiterpene biosynthetic gene ASS1 expression in <i>Aquilaria sinensis</i> (Lour.) Gilg. <i>Journal of Experimental Botany</i> , 2020, 71, 1128-1138.	2.4	17
11106	Characterization of the main magnesium transporters mediating different Mg translocation from root to shoot between Mg-tolerant and Mg-sensitive <i>Brassica napus</i> cultivars under magnesium deficiency stress. <i>Plant and Soil</i> , 2019, 445, 453-468.	1.8	4
11107	Regulation of ABI5 expression by ABF3 during salt stress responses in <i>Arabidopsis thaliana</i> . , 2019, 60, 16.		47
11108	A core effector UV_1261 promotes <i>Ustilagoidea virens</i> infection via spatiotemporally suppressing plant defense. <i>Phytopathology Research</i> , 2019, 1, .	0.9	19
11109	<i>Arabidopsis</i> GAAP1 to GAAP3 Play Redundant Role in Cell Death Inhibition by Suppressing the Upregulation of Salicylic Acid Pathway Under Endoplasmic Reticulum Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 1032.	1.7	10
11110	Two Auxin Response Elements Fine-Tune PINOID Expression During Gynoecium Development in <i>Arabidopsis thaliana</i> . <i>Biomolecules</i> , 2019, 9, 526.	1.8	6
11111	Nucleotide exchangeâ€“dependent and nucleotide exchangeâ€“independent functions of plant heterotrimeric GTP-binding proteins. <i>Science Signaling</i> , 2019, 12, .	1.6	24
11112	PAMP-INDUCED SECRETED PEPTIDE 3 (PIP3) modulates immunity in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 850-864.	2.4	27
11113	TICKET attracts pollen tubes and mediates reproductive isolation between relative species in Brassicaceae. <i>Science China Life Sciences</i> , 2019, 62, 1413-1419.	2.3	31
11114	Function analysis of ZmNAC33, a positive regulator in drought stress response in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 145, 174-183.	2.8	19
11115	Overexpression of the <i>Arabidopsis</i> and winter squash superoxide dismutase genes enhances chilling tolerance via ABA-sensitive transcriptional regulation in transgenic <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2019, 14, 1685728.	1.2	24

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11117	High-efficient utilization and uptake of N contribute to higher NUE of 'Qinguan' apple under drought and N-deficient conditions compared with 'Honeycrisp'. <i>Tree Physiology</i> , 2019, 39, 1880-1895.	1.4	24
11118	Clarification of the dispensability of PDX1.2 for <i>Arabidopsis</i> viability using CRISPR/Cas9. <i>BMC Plant Biology</i> , 2019, 19, 464.	1.6	2
11119	Functional analysis of drought and salt tolerance mechanisms of mulberry RACK1 gene. <i>Tree Physiology</i> , 2019, 39, 2055-2069.	1.4	12
11120	An Evolutionarily Conserved Receptor-like Kinases Signaling Module Controls Cell Wall Integrity During Tip Growth. <i>Current Biology</i> , 2019, 29, 3899-3908.e3.	1.8	27
11121	Isocitrate lyase plays important roles in plant salt tolerance. <i>BMC Plant Biology</i> , 2019, 19, 472.	1.6	33
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11123	ChTIE1 Regulates Branching Through Modulating the Transcriptional Activity of TCPs in Cotton and <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1348.	1.7	18
11124	Constitutive expression of an A-5 subgroup member in the DREB transcription factor subfamily from <i>Ammopiptanthus mongolicus</i> enhanced abiotic stress tolerance and anthocyanin accumulation in transgenic <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2019, 14, e0224296.	1.1	22
11125	Mechanisms underlying the enhanced biomass and abiotic stress tolerance phenotype of an <i>Arabidopsis</i> MIOX overexpresser. <i>Plant Direct</i> , 2019, 3, e00165.	0.8	18
11126	Overexpression of the <i>Arabidopsis</i> glutathione peroxidase-like 5 gene (<i>AtGPXL5</i>) resulted in altered plant development and redox status. <i>Environmental and Experimental Botany</i> , 2019, 167, 103849.	2.0	15
11127	Wound- and pathogen-activated de novo JA synthesis using different ACX isozymes in tea plant (<i>Camellia sinensis</i>). <i>Journal of Plant Physiology</i> , 2019, 243, 153047.	1.6	5
11128	<i>Zoysia japonica</i> MYC type transcription factor ZjICE1 regulates cold tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2019, 289, 110254.	1.7	37
11129	Grape (<i>Vitis vinifera</i>) VvDOF3 functions as a transcription activator and enhances powdery mildew resistance. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 183-189.	2.8	36
11130	The heterologous expression in <i>Arabidopsis thaliana</i> of a chrysanthemum gene encoding the BBX family transcription factor CmBBX13 delays flowering. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 480-487.	2.8	14
11131	GbWRKY1, a member of the WRKY transcription factor family identified from <i>Gossypium barbadense</i> , is involved in resistance to <i>Verticillium</i> wilt. <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 1354-1364.	0.5	1
11132	<i>Heterodera avenae</i> GLAND5 Effector Interacts With Pyruvate Dehydrogenase Subunit of Plant to Promote Nematode Parasitism. <i>Frontiers in Microbiology</i> , 2019, 10, 1241.	1.5	24
11133	Mitochondrial Iron Transporters (MIT1 and MIT2) Are Essential for Iron Homeostasis and Embryogenesis in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1449.	1.7	34

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11135	MUR1-mediated cell-wall fucosylation is required for freezing tolerance in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2019, 224, 1518-1531.	3.5	32
11136	Role of guard-cell ABA in determining steady-state stomatal aperture and prompt vapor-pressure-deficit response. <i>Plant Science</i> , 2019, 281, 31-40.	1.7	25
11137	Nuclear calcium signatures are associated with root development. <i>Nature Communications</i> , 2019, 10, 4865.	5.8	58
11138	Identification of Transgene-Free CRISPR-Edited Plants of Rice, Tomato, and <i>Arabidopsis</i> by Monitoring DsRED Fluorescence in Dry Seeds. <i>Frontiers in Plant Science</i> , 2019, 10, 1150.	1.7	56
11139	Deep conservation of cis-element variants regulating plant hormonal responses. <i>Plant Cell</i> , 2019, 31, tpc.00129.2019.	3.1	34
11140	The <i>Pseudomonas Syringae</i> Effector AvrPtoB Associates With and Ubiquitinates <i>Arabidopsis</i> Exocyst Subunit EXO70B1. <i>Frontiers in Plant Science</i> , 2019, 10, 1027.	1.7	40
11141	Structure-Function Analysis Reveals Amino Acid Residues of <i>Arabidopsis</i> Phosphate Transporter AtPHT1;1 Crucial for Its Activity. <i>Frontiers in Plant Science</i> , 2019, 10, 1158.	1.7	11
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11143	The RING finger E3 ligases PIR1 and PIR2 mediate PP2CA degradation to enhance abscisic acid response in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 100, 473-486.	2.8	29
11144	AtHB23 participates in the gene regulatory network controlling root branching, and reveals differences between secondary and tertiary roots. <i>Plant Journal</i> , 2019, 100, 1224-1236.	2.8	24
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11146	Cyclic nucleotide-gated ion channel 6 mediates thermotolerance in <i>Arabidopsis</i> seedlings by regulating nitric oxide production via cytosolic calcium ions. <i>BMC Plant Biology</i> , 2019, 19, 368.	1.6	20
11147	The MCTP-SNARE Complex Regulates Florigen Transport in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2019, 31, 2475-2490.	3.1	43
11148	Impact of poly(A)-tail G-content on <i>Arabidopsis</i> PAB binding and their role in enhancing translational efficiency. <i>Genome Biology</i> , 2019, 20, 189.	3.8	49
11149	Universal stress protein in <i>Malus sieversii</i> confers enhanced drought tolerance. <i>Journal of Plant Research</i> , 2019, 132, 825-837.	1.2	12
11150	Genome-wide analysis and functional characterization of Acyl-CoA:diacylglycerol acyltransferase from soybean identify GmDGAT1A and 1B roles in oil synthesis in <i>Arabidopsis</i> seeds. <i>Journal of Plant Physiology</i> , 2019, 242, 153019.	1.6	24
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11153	PINOID is required for lateral organ morphogenesis and ovule development in cucumber. <i>Journal of Experimental Botany</i> , 2019, 70, 5715-5730.	2.4	24
11154	Low-fluence blue light-induced phosphorylation of Zmphot1 mediates the first positive phototropism. <i>Journal of Experimental Botany</i> , 2019, 70, 5929-5941.	2.4	9
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11156	Cloning and overexpression of the ascorbate peroxidase gene from the yam (<i>Dioscorea alata</i>) enhances chilling and flood tolerance in transgenic Arabidopsis. <i>Journal of Plant Research</i> , 2019, 132, 857-866.	1.2	11
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11167	Posttranscriptional Regulation of RhBRC1 (<i>Rosa hybrida</i> BRANCHED1) in Response to Sugars is Mediated via its Own 3' UTR Untranslated Region, with a Potential Role of RhPUF4 (Pumilio RNA-Binding) Tj ETQq1 1108784314. <i>gBT /O</i>		
11168	GSNOR provides plant tolerance to iron toxicity via preventing iron-dependent nitrosative and oxidative cytotoxicity. <i>Nature Communications</i> , 2019, 10, 3896.	5.8	59
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11184	The pyrenoidal linker protein EPYC1 phase separates with hybrid <i>Arabidopsis</i> – <i>Chlamydomonas</i> Rubisco through interactions with the algal Rubisco small subunit. <i>Journal of Experimental Botany</i> , 2019, 70, 5271-5285.	2.4	36
11185	PUB25 and PUB26 Promote Plant Freezing Tolerance by Degrading the Cold Signaling Negative Regulator MYB15. <i>Developmental Cell</i> , 2019, 51, 222-235.e5.	3.1	105
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11187	Comprehensive survey of the VxG ¹ L motif of PP2Cs from <i>Oryza sativa</i> reveals the critical role of the fourth position in regulation of ABA responsiveness. <i>Plant Molecular Biology</i> , 2019, 101, 455-469.	2.0	2

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11277	Modification of Vip3Ab1 C-Terminus Confers Broadened Plant Protection from Lepidopteran Pests. Toxins, 2019, 11, 316.	1.5	4

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11278	Changing Carrot Color: Insertions in <i>DcMYB7</i> Alter the Regulation of Anthocyanin Biosynthesis and Modification. <i>Plant Physiology</i> , 2019, 181, 195-207.	2.3	99
11279	Structural Characterization of <i>ABC1</i> , the Gene Underlying the <i>d2</i> Dwarf Phenotype in Pearl Millet, <i>Cenchrus Americanus</i> (L.) Morrone. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2497-2509.	0.8	3
11280	Transcriptome sequencing and functional analysis of <i>Sedum lineare</i> Thunb. upon salt stress. <i>Molecular Genetics and Genomics</i> , 2019, 294, 1441-1453.	1.0	6
11281	Spliceosome disassembly factors ILP1 and NTR1 promote miRNA biogenesis in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2019, 47, 7886-7900.	6.5	31
11282	<i>PRECOCIOUS1</i> (<i>POCO1</i>), a mitochondrial pentatricopeptide repeat protein affects flowering time in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2019, 100, 265-278.	2.8	21
11283	MdUGT88F1-Mediated Phloridzin Biosynthesis Regulates Apple Development and <i>Valsa</i> Canker Resistance. <i>Plant Physiology</i> , 2019, 180, 2290-2305.	2.3	82
11284	In Silico Genome-Wide Analysis of the Pear (<i>Pyrus bretschneideri</i>) KNOX Family and the Functional Characterization of <i>PbKNOX1</i> , an <i>Arabidopsis</i> <i>BREVIPEDICELLUS</i> Orthologue Gene, Involved in Cell Wall and Lignin Biosynthesis. <i>Frontiers in Genetics</i> , 2019, 10, 632.	1.1	28
11285	Lettuce-derived secretory IgA specifically neutralizes the Shiga toxin 1 activity. <i>Planta</i> , 2019, 250, 1255-1264.	1.6	7
11286	Retrethalophyte <i>Tamarix</i> <i>TrSOS1</i> confers higher salt tolerance to transgenic plants and yeast than glycophyte soybean <i>GmSOS1</i> . <i>Environmental and Experimental Botany</i> , 2019, 165, 196-207.	2.0	11
11287	Genome-wide identification of cyclophilin genes in <i>Gossypium hirsutum</i> and functional characterization of a CYP with antifungal activity against <i>Verticillium dahliae</i> . <i>BMC Plant Biology</i> , 2019, 19, 272.	1.6	12
11288	The expression of cyanobacterial glycolate decarboxylation pathway genes improves biomass accumulation in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology Reports</i> , 2019, 13, 361-373.	0.9	6
11289	Constitutive expression of <i>GmF6H1</i> from soybean improves salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 141, 446-455.	2.8	8
11290	DEG10 contributes to mitochondrial proteostasis, root growth, and seed yield in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 5423-5436.	2.4	13
11291	Bipartite anchoring of SCREAM enforces stomatal initiation by coupling MAP kinases to SPEECHLESS. <i>Nature Plants</i> , 2019, 5, 742-754.	4.7	55
11292	RNAi mediated silencing of dehydrin gene <i>WZY2</i> confers osmotic stress intolerance in transgenic wheat. <i>Functional Plant Biology</i> , 2019, 46, 877.	1.1	15
11293	Genome-wide characterization of aspartic protease (AP) gene family in <i>Populus trichocarpa</i> and identification of the potential PtAPs involved in wood formation. <i>BMC Plant Biology</i> , 2019, 19, 276.	1.6	23
11294	The <i>Arabidopsis</i> Pleiotropic Drug Resistance Transporters <i>PEN3</i> and <i>PDR12</i> Mediate Camalexin Secretion for Resistance to <i>Botrytis cinerea</i> . <i>Plant Cell</i> , 2019, 31, 2206-2222.	3.1	84
11295	Proteomic changes in the xylem sap of <i>Brassica napus</i> under cadmium stress and functional validation. <i>BMC Plant Biology</i> , 2019, 19, 280.	1.6	36

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11297	Nucleoporin Nup98 participates in flowering regulation in a CONSTANS-independent mode. <i>Plant Cell Reports</i> , 2019, 38, 1263-1271.	2.8	10
11298	Identification of cis-regulatory regions responsible for developmental and hormonal regulation of HbHMGS1 in transgenic <i>Arabidopsis thaliana</i> . <i>Biotechnology Letters</i> , 2019, 41, 1077-1091.	1.1	3
11299	Bacterial communities differ between plant species and soil type, and differentially influence seedling establishment on serpentine soils. <i>Plant and Soil</i> , 2019, 441, 423-437.	1.8	24
11300	Contribution of methylation regulation of MpDREB2A promoter to drought resistance of <i>Muls prunifolia</i> . <i>Plant and Soil</i> , 2019, 441, 15-32.	1.8	16
11301	Transcriptome-guided identification and functional characterization of key terpene synthases involved in constitutive and methyl jasmonate-inducible volatile terpene formation in <i>Eremochloa ophiuroides</i> (Munro) Hack. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 193-201.	2.8	4
11302	Functional characterization of DiMMS21, a SUMO ligase from <i>Desmodium intortum</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 141, 206-214.	2.8	2
11303	Molecular basis of natural tolerance to glyphosate in <i>Convolvulus arvensis</i> . <i>Scientific Reports</i> , 2019, 9, 8133.	1.6	8
11304	The HD-Zip transcription factor LcHB2 regulates litchi fruit abscission through the activation of two cellulase genes. <i>Journal of Experimental Botany</i> , 2019, 70, 5189-5203.	2.4	30
11305	AtTRAPPC11/ROG2: A Role for TRAPPs in Maintenance of the Plant <i>Trans</i> -Golgi Network/Early Endosome Organization and Function. <i>Plant Cell</i> , 2019, 31, 1879-1898.	3.1	26
11306	Indeterminate growth of the umbel inflorescence and bulb is associated with increased expression of the TFL1 homologue, AcTFL1, in onion. <i>Plant Science</i> , 2019, 287, 110165.	1.7	10
11307	Reduced stomatal density in bread wheat leads to increased water-use efficiency. <i>Journal of Experimental Botany</i> , 2019, 70, 4737-4748.	2.4	144
11308	The Photoconvertible Fluorescent Protein Dendra2 Tag as a Tool to Investigate Intracellular Protein Dynamics. <i>Methods in Molecular Biology</i> , 2019, 1992, 201-214.	0.4	6
11309	Overexpression of the wheat trehalose 6-phosphate synthase 11 gene enhances cold tolerance in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2019, 710, 210-217.	1.0	48
11310	Sphingolipid biosynthesis modulates plasmodesmal ultrastructure and phloem unloading. <i>Nature Plants</i> , 2019, 5, 604-615.	4.7	65
11311	Mutation of a histidine-rich calcium-binding-protein gene in wheat confers resistance to <i>Fusarium</i> head blight. <i>Nature Genetics</i> , 2019, 51, 1106-1112.	9.4	200
11312	Maize <i>HSFA2</i> and <i>HSBP2</i> antagonistically modulate raffinose biosynthesis and heat tolerance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 100, 128-142.	2.8	56
11313	Over-expression of an R2R3 MYB Gene, GhMYB73, increases tolerance to salt stress in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2019, 286, 28-36.	1.7	75

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11314	Photorespiratory serine hydroxymethyltransferase 1 activity impacts abiotic stress tolerance and stomatal closure. <i>Plant, Cell and Environment</i> , 2019, 42, 2567-2583.	2.8	25
11315	Asymmetric Redundancy of <i>ZERZAUST</i> and <i>ZERZAUST HOMOLOG</i> in Different Accessions of <i>Arabidopsis thaliana</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2245-2252.	0.8	7
11316	Identification of a role for an E6-like 1 gene in early pollen-stigma interactions in <i>Arabidopsis thaliana</i> . <i>Plant Reproduction</i> , 2019, 32, 307-322.	1.3	22
11317	Molecular and electrophysiological characterization of anion transport in <i>Arabidopsis thaliana</i> pollen reveals regulatory roles for pH, Ca ²⁺ and GABA. <i>New Phytologist</i> , 2019, 223, 1353-1371.	3.5	24
11318	Functional Characterization of Date Palm Aquaporin Gene PdPIP1;2 Confers Drought and Salinity Tolerance to Yeast and <i>Arabidopsis</i> . <i>Genes</i> , 2019, 10, 390.	1.0	29
11319	Altered levels of mitochondrial NFS1 affect cellular Fe and S contents in plants. <i>Plant Cell Reports</i> , 2019, 38, 981-990.	2.8	11
11320	Cysteine-rich peptides promote interspecific genetic isolation in <i>Arabidopsis</i> . <i>Science</i> , 2019, 364, .	6.0	101
11321	Natural variation of BSK3 tunes brassinosteroid signaling to regulate root foraging under low nitrogen. <i>Nature Communications</i> , 2019, 10, 2378.	5.8	116
11322	Improved drought stress tolerance in <i>Arabidopsis</i> by CRISPR/dCas9 fusion with a Histone Acetyltransferase. <i>Scientific Reports</i> , 2019, 9, 8080.	1.6	157
11323	Identification of AtHsp90.6 involved in early embryogenesis and its structure prediction by molecular dynamics simulations. <i>Royal Society Open Science</i> , 2019, 6, 190219.	1.1	8
11324	Metabolic Alterations in the Enoyl-CoA Hydratase 2 Mutant Disrupt Peroxisomal Pathways in Seedlings. <i>Plant Physiology</i> , 2019, 180, 1860-1876.	2.3	29
11325	A host-pathogen interactome uncovers phytopathogenic strategies to manipulate plant ABA responses. <i>Plant Journal</i> , 2019, 100, 187-198.	2.8	34
11326	A screening method to identify efficient sgRNAs in <i>Arabidopsis</i> , used in conjunction with cell-specific lignin reduction. <i>Biotechnology for Biofuels</i> , 2019, 12, 130.	6.2	39
11327	Luciferase-Based Screen for Post-translational Control Factors in the Regulation of the Pseudo-Response Regulator PRR7. <i>Frontiers in Plant Science</i> , 2019, 10, 667.	1.7	4
11328	Conserved Cu-MicroRNAs in <i>Arabidopsis thaliana</i> Function in Copper Economy under Deficiency. <i>Plants</i> , 2019, 8, 141.	1.6	25
11329	The interplay of PsABAUGT1 with other abscisic acid metabolic genes in the regulation of ABA homeostasis during the development of pea seeds and germination in the presence of H ₂ O ₂ . <i>Plant Science</i> , 2019, 285, 79-90.	1.7	7
11330	Evolution and functional differentiation of recently diverged phytochelatin synthase genes from <i>Arundo donax</i> L. <i>Journal of Experimental Botany</i> , 2019, 70, 5391-5405.	2.4	15
11331	Strawberry tonoplast transporter, FaVPT1, controls phosphate accumulation and fruit quality. <i>Plant, Cell and Environment</i> , 2019, 42, 2715-2729.	2.8	19

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11334	Molecular cloning and functional characterization of a seed-specific Vv ² VPE gene promoter from <i>Vitis vinifera</i> . <i>Planta</i> , 2019, 250, 657-665.	1.6	8
11335	Impaired PSII Proteostasis Promotes Retrograde Signaling via Salicylic Acid. <i>Plant Physiology</i> , 2019, 180, 2182-2197.	2.3	38
11336	MsPIP2;2, a novel aquaporin gene from <i>Medicago sativa</i> , confers salt tolerance in transgenic <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2019, 165, 39-52.	2.0	32
11337	12-Hydroxy-Jasmonoyl-Isoleucine Is an Active Jasmonate That Signals through CORONATINE INSENSITIVE 1 and Contributes to the Wound Response in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 2152-2166.	1.5	35
11338	A Wall-Associated Kinase Gene CaWAKL20 From Pepper Negatively Modulates Plant Thermotolerance by Reducing the Expression of ABA-Responsive Genes. <i>Frontiers in Plant Science</i> , 2019, 10, 591.	1.7	23
11339	CHITINASE LIKE1 Regulates Root Development of Dark-Grown Seedlings by Modulating Ethylene Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 600.	1.7	14
11340	ChABP19, a Novel Germin-Like Protein From <i>Gossypium hirsutum</i> , Plays an Important Role in the Regulation of Resistance to <i>Verticillium</i> and <i>Fusarium</i> Wilt Pathogens. <i>Frontiers in Plant Science</i> , 2019, 10, 583.	1.7	50
11341	Genome Editing to Integrate Seed Size and Abiotic Stress Tolerance Traits in <i>Arabidopsis</i> Reveals a Role for DPA4 and SOD7 in the Regulation of Inflorescence Architecture. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2695.	1.8	35
11342	Regulation of mitochondrial NAD pool via NAD ⁺ transporter 2 is essential for matrix NADH homeostasis and ROS production in <i>Arabidopsis</i> . <i>Science China Life Sciences</i> , 2019, 62, 991-1002.	2.3	24
11343	Conserved and novel roles of <i>miR164</i> CUC ² regulatory module in specifying leaf and floral organ morphology in strawberry. <i>New Phytologist</i> , 2019, 224, 480-492.	3.5	46
11344	Development of <i>Agrobacterium</i> -mediated transient expression system in <i>Caragana intermedia</i> and characterization of CiDREB1C in stress response. <i>BMC Plant Biology</i> , 2019, 19, 237.	1.6	12
11345	<i>Agrobacterium</i> -mediated vacuum infiltration and floral dip transformation of rapid-cycling <i>Brassica rapa</i> . <i>BMC Plant Biology</i> , 2019, 19, 246.	1.6	18
11346	PIN2 Polarity Establishment in <i>Arabidopsis</i> in the Absence of an Intact Cytoskeleton. <i>Biomolecules</i> , 2019, 9, 222.	1.8	17
11347	Isolation and Characterization of CsWRKY7, a Subgroup IId WRKY Transcription Factor from <i>Camellia sinensis</i> , Linked to Development in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2815.	1.8	14
11348	A novel sweetpotato bZIP transcription factor gene, lbbZIP1, is involved in salt and drought tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2019, 38, 1373-1382.	2.8	44
11349	Involvement of cytokinin response regulator RhRR1 in the control of flowering. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	4

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11351	Photosynthesis in Arabidopsis Is Unaffected by the Function of the Vacuolar K ⁺ Channel TPK3. <i>Plant Physiology</i> , 2019, 180, 1322-1335.	2.3	46
11352	TTL Proteins Scaffold Brassinosteroid Signaling Components at the Plasma Membrane to Optimize Signal Transduction in Arabidopsis. <i>Plant Cell</i> , 2019, 31, 1807-1828.	3.1	47
11353	Genome-wide analysis of poplar NF-YB gene family and identified PtNF-YB1 important in regulate flowering timing in transgenic plants. <i>BMC Plant Biology</i> , 2019, 19, 251.	1.6	7
11354	Genome-scale, single-cell-type resolution of microRNA activities within a whole plant organ. <i>EMBO Journal</i> , 2019, 38, e100754.	3.5	41
11355	Overexpression of paralogues of the wheat expansin gene <i>TaEXPA8</i> improves low-temperature tolerance in <i>Arabidopsis</i> . <i>Plant Biology</i> , 2019, 21, 1119-1131.	1.8	26
11356	Functional characterization of LkERF-B2 for improved salt tolerance ability in <i>Arabidopsis thaliana</i> . <i>3 Biotech</i> , 2019, 9, 263.	1.1	5
11357	<i>DEMETER</i> plays a role in DNA demethylation and disease response in somatic tissues of Arabidopsis. <i>Epigenetics</i> , 2019, 14, 1074-1087.	1.3	32
11358	Protein S-acyl transferase 15 is involved in seed triacylglycerol catabolism during early seedling growth in Arabidopsis. <i>Journal of Experimental Botany</i> , 2019, 70, 5205-5216.	2.4	9
11359	Epigenetic regulation of miR396 expression by SWR1-C and the effect of miR396 on leaf growth and developmental phase transition in Arabidopsis. <i>Journal of Experimental Botany</i> , 2019, 70, 5217-5229.	2.4	23
11360	Co-overexpression of AVP1 and OsSIZ1 in Arabidopsis substantially enhances plant tolerance to drought, salt, and heat stresses. <i>Scientific Reports</i> , 2019, 9, 7642.	1.6	30
11361	The polyadenylation factor FIP1 is important for plant development and root responses to abiotic stresses. <i>Plant Journal</i> , 2019, 99, 1203-1219.	2.8	31
11362	The Boechera Genus as a Resource for Apomixis Research. <i>Frontiers in Plant Science</i> , 2019, 10, 392.	1.7	26
11363	The immune repressor BIR1 contributes to antiviral defense and undergoes transcriptional and post-transcriptional regulation during viral infections. <i>New Phytologist</i> , 2019, 224, 421-438.	3.5	16
11364	The Arabidopsis defensin gene <i>AtPDF2.5</i> mediates cadmium tolerance and accumulation. <i>Plant, Cell and Environment</i> , 2019, 42, 2681-2695.	2.8	51
11365	Arabidopsis IAR4 Modulates Primary Root Growth Under Salt Stress Through ROS-Mediated Modulation of Auxin Distribution. <i>Frontiers in Plant Science</i> , 2019, 10, 522.	1.7	52
11366	Cytokinin-Dependent Control of GH3 Group II Family Genes in the Arabidopsis Root. <i>Plants</i> , 2019, 8, 94.	1.6	31
11367	Genetic and molecular analysis of trichome development in <i>Arabis alpina</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12078-12083.	3.3	28

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11368	OX11 and DAD Regulate Light-Induced Cell Death Antagonistically through Jasmonate and Salicylate Levels. <i>Plant Physiology</i> , 2019, 180, 1691-1708.	2.3	30
11369	Danger-Associated Peptides Interact with PIN-Dependent Local Auxin Distribution to Inhibit Root Growth in Arabidopsis. <i>Plant Cell</i> , 2019, 31, 1767-1787.	3.1	31
11370	Arabidopsis ENDOMEMBRANE PROTEIN 12 contributes to the endoplasmic reticulum stress response by regulating K/HDEL receptor trafficking. <i>Plant Cell</i> , 2019, , tpc.00913.2018.	3.1	0
11371	PbrSLAH3 is a nitrate-selective anion channel which is modulated by calcium-dependent protein kinase 32 in pear. <i>BMC Plant Biology</i> , 2019, 19, 190.	1.6	6
11372	Utility of I-SceI and CCR5-ZFN nucleases in excising selectable marker genes from transgenic plants. <i>BMC Research Notes</i> , 2019, 12, 272.	0.6	6
11373	JASSY, a chloroplast outer membrane protein required for jasmonate biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10568-10575.	3.3	63
11374	The ethylene response factor Va<sc>ERF</sc>092 from Amur grape regulates the transcription factor Va<sc>WRKY</sc>33, improving cold tolerance. <i>Plant Journal</i> , 2019, 99, 988-1002.	2.8	77
11375	Integration of Transcriptional Repression and Polycomb-Mediated Silencing of <i>WUSCHEL</i> in Floral Meristems. <i>Plant Cell</i> , 2019, 31, 1488-1505.	3.1	77
11376	A specialized metabolic network selectively modulates <i>Arabidopsis</i> root microbiota. <i>Science</i> , 2019, 364, .	6.0	470
11377	Brassinosteroid Regulates Root Development with Highly Redundant Genes in Hexaploid Wheat. <i>Plant and Cell Physiology</i> , 2019, 60, 1761-1777.	1.5	18
11378	TPX2-LIKE PROTEIN3 Is the Primary Activator of Î±-Aurora Kinases and Is Essential for Embryogenesis. <i>Plant Physiology</i> , 2019, 180, 1389-1405.	2.3	16
11379	Sweetpotato bZIP Transcription Factor IbABF4 Confers Tolerance to Multiple Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2019, 10, 630.	1.7	56
11380	The Kinase CIPK11 Functions as a Negative Regulator in Drought Stress Response in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2422.	1.8	36
11381	Interspaced Repeat Sequences Confer the Regulatory Functions of AtXTH10, Important for Root Growth in Arabidopsis. <i>Plants</i> , 2019, 8, 130.	1.6	4
11382	SCARECROW promoter-driven expression of a bacterial mercury transporter MerC in root endodermal cells enhances mercury accumulation in Arabidopsis shoots. <i>Planta</i> , 2019, 250, 667-674.	1.6	17
11383	High efficiency in planta transformation of Indian mustard (<i>Brassica juncea</i>) based on spraying of floral buds. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 138, 229-237.	1.2	15
11384	<i>CsFEX</i>, a Fluoride Export Protein Gene from <i>Camellia sinensis</i>, Alleviates Fluoride Toxicity in Transgenic <i>Escherichia coli</i> and <i>Arabidopsis thaliana</i>. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5997-6006.	2.4	20
11385	HY5 Interacts with the Histone Deacetylase HDA15 to Repress Hypocotyl Cell Elongation in Photomorphogenesis. <i>Plant Physiology</i> , 2019, 180, 1450-1466.	2.3	70

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11386	Identification of the LEA family members from <i>Caragana korshinskii</i> (Fabaceae) and functional characterization of CkLEA2-3 in response to abiotic stress in <i>Arabidopsis</i> . <i>Revista Brasileira De Botanica</i> , 2019, 42, 227-238.	0.5	9
11387	Cloning and functional characterization of epidermis-specific promoter MtML1 from <i>Medicago truncatula</i> . <i>Journal of Biotechnology</i> , 2019, 300, 32-39.	1.9	11
11388	The glycosyltransferase UGT76E1 significantly contributes to 12-O-glucopyranosyl-jasmonic acid formation in wounded <i>Arabidopsis thaliana</i> leaves. <i>Journal of Biological Chemistry</i> , 2019, 294, 9858-9872.	1.6	28
11389	The Ca ²⁺ Channel CNGC19 Regulates <i>Arabidopsis</i> Defense Against <i>Spodoptera</i> Herbivory. <i>Plant Cell</i> , 2019, 31, 1539-1562.	3.1	88
11390	The <i>Arabidopsis</i> Lectin Receptor Kinase LecRK-I.8 Is Involved in Insect Egg Perception. <i>Frontiers in Plant Science</i> , 2019, 10, 623.	1.7	46
11391	Genetic Engineering of Carrot. <i>Compendium of Plant Genomes</i> , 2019, , 149-186.	0.3	8
11392	CmTCP20 Plays a Key Role in Nitrate and Auxin Signaling-Regulated Lateral Root Development in <i>Chrysanthemum</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 1581-1594.	1.5	13
11393	Light-Induced Artemisinin Biosynthesis Is Regulated by the bZIP Transcription Factor AaHY5 in <i>Artemisia annua</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 1747-1760.	1.5	70
11394	Identification and Functional Characterization of an Effector Secreted by <i>Cronartium ribicola</i> . <i>Phytopathology</i> , 2019, 109, 942-951.	1.1	7
11395	Identification and characterization of a land-plant specific microtubule nucleation factor, MACET4. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	14
11396	Molecular cloning and functional characterization of AcGST1, an anthocyanin-related glutathione S-transferase gene in kiwifruit (<i>Actinidia chinensis</i>). <i>Plant Molecular Biology</i> , 2019, 100, 451-465.	2.0	46
11397	The MKK7-MPK6 MAP Kinase Module Is a Regulator of Meristem Quiescence or Active Growth in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 202.	1.7	14
11398	The mitogen-activated protein kinase 4-phosphorylated heat shock factor A4A regulates responses to combined salt and heat stresses. <i>Journal of Experimental Botany</i> , 2019, 70, 4903-4918.	2.4	63
11399	Ammonium and nitrate regulate NH ₄ ⁺ uptake activity of <i>Arabidopsis</i> ammonium transporter AtAMT1;3 via phosphorylation at multiple C-terminal sites. <i>Journal of Experimental Botany</i> , 2019, 70, 4919-4930.	2.4	41
11400	Gibberellins Act Downstream of <i>Arabidopsis</i> PERPETUAL FLOWERING1 to Accelerate Floral Induction during Vernalization. <i>Plant Physiology</i> , 2019, 180, 1549-1563.	2.3	17
11401	The MED30 subunit of mediator complex is essential for early plant development and promotes flowering in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2019, 146, .	1.2	10
11402	Involvement of BIG5 and BIG3 in BRI1 Trafficking Reveals Diverse Functions of BIG-subfamily ARF-GEFs in Plant Growth and Gravitropism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2339.	1.8	15
11403	Transcriptome analysis reveals potential roles of a barley ASR gene that confers stress tolerance in transgenic rice. <i>Journal of Plant Physiology</i> , 2019, 238, 29-39.	1.6	8

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11404	Evolutionary Analysis of MBW Function by Phenotypic Rescue in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 375.	1.7	30
11405	Overexpression of VaWRKY12, a transcription factor from <i>Vitis amurensis</i> with increased nuclear localization under low temperature, enhances cold tolerance of plants. <i>Plant Molecular Biology</i> , 2019, 100, 95-110.	2.0	45
11406	Functional characterization and spatial interaction of TERMINAL FLOWER 1 in <i>Hemerocallis</i> . <i>Scientia Horticulturae</i> , 2019, 253, 154-162.	1.7	8
11407	Overexpression of <i>trans</i> -Golgi network SNAREs rescues vacuolar trafficking and TGN morphology defects in a putative tethering factor mutant. <i>Plant Journal</i> , 2019, 99, 703-716.	2.8	10
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11411	Plastoglobular protein 18 is involved in chloroplast function and thylakoid formation. <i>Journal of Experimental Botany</i> , 2019, 70, 3981-3993.	2.4	17
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11420	Genome-wide occupancy of histone H3K27 methyltransferases <i>CURLY LEAF</i> and <i>SWINGER</i> in <i>Arabidopsis</i> seedlings. <i>Plant Direct</i> , 2019, 3, e00100.	0.8	70
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11441	Genome-Wide Characterization and Expression Analysis of Soybean TGA Transcription Factors Identified a Novel TGA Gene Involved in Drought and Salt Tolerance. <i>Frontiers in Plant Science</i> , 2019, 10, 549.	1.7	97
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11468	PRX9 and PRX40 Are Extensin Peroxidases Essential for Maintaining Tapetum and Microspore Cell Wall Integrity during Arabidopsis Anther Development. <i>Plant Cell</i> , 2019, 31, 848-861.	3.1	56
11469	The Arabidopsis heterotrimeric G α protein β^2 subunit, <i>AGB1</i> , is required for guard cell calcium sensing and calcium-induced calcium release. <i>Plant Journal</i> , 2019, 99, 231-244.	2.8	17
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11488	SINAC2 overexpression in <i>Arabidopsis</i> results in enhanced abiotic stress tolerance with alteration in glutathione metabolism. <i>Protoplasma</i> , 2019, 256, 1065-1077.	1.0	31
11489	TaEPFL1, an EPIDERMAL PATTERNING FACTOR-LIKE (EPFL) secreted peptide gene, is required for stamen development in wheat. <i>Genetica</i> , 2019, 147, 121-130.	0.5	11
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11495	The Transcription Factors TCP4 and PIF3 Antagonistically Regulate Organ-Specific Light Induction of <i>SAUR</i> Genes to Modulate Cotyledon Opening during De-Etiolation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2019, 31, 1155-1170.	3.1	74
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11507	A Crucial Role of GA-Regulated Flavonol Biosynthesis in Root Growth of <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2019, 12, 521-537.	3.9	105
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11528	Plasmopara viticola effector PvRXLR131 suppresses plant immunity by targeting plant receptor-like kinase inhibitor BKI1. <i>Molecular Plant Pathology</i> , 2019, 20, 765-783.	2.0	27
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11532	An RNA Chaperone-Like Protein Plays Critical Roles in Chloroplast mRNA Stability and Translation in Arabidopsis and Maize. <i>Plant Cell</i> , 2019, 31, 1308-1327.	3.1	25
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11538	Cytochrome <i>b5</i> Is an Obligate Electron Shuttle Protein for Syringyl Lignin Biosynthesis in Arabidopsis. <i>Plant Cell</i> , 2019, 31, 1344-1366.	3.1	42
11539	Root stem cell niche maintenance and apical meristem activity critically depend on THREONINE SYNTHASE1. <i>Journal of Experimental Botany</i> , 2019, 70, 3835-3849.	2.4	12
11540	Hypermorphic <i>SERK1</i> Mutations Function via a <i>SOBIR1</i> Pathway to Activate Floral Abscission Signaling. <i>Plant Physiology</i> , 2019, 180, 1219-1229.	2.3	11
11541	A Functional Allele of <i>CsFUL1</i> Regulates Fruit Length through Repressing <i>CsSUP</i> and Inhibiting Auxin Transport in Cucumber. <i>Plant Cell</i> , 2019, 31, 1289-1307.	3.1	84
11542	Negative gravitropic response of roots directs auxin flow to control root gravitropism. <i>Plant, Cell and Environment</i> , 2019, 42, 2372-2383.	2.8	33
11543	Characterization of Brassica rapa RAP2.4-Related Proteins in Stress Response and as CUL3-Dependent E3 Ligase Substrates. <i>Cells</i> , 2019, 8, 336.	1.8	13
11544	GmSYP24, a putative syntaxin gene, confers osmotic/drought, salt stress tolerances and ABA signal pathway. <i>Scientific Reports</i> , 2019, 9, 5990.	1.6	13
11545	OsRhoGAP2 promoter drives inflorescence-preferential expression and confers responses to abiotic stresses in transgenic Arabidopsis. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	2
11546	Chloroplast Translation Elongation Factor EF-Tu/SVR11 Is Involved in var2-Mediated Leaf Variegation and Leaf Development in Arabidopsis. <i>Frontiers in Plant Science</i> , 2019, 10, 295.	1.7	21
11547	Functional dissection of the <i>ARGONAUTE7</i> promoter. <i>Plant Direct</i> , 2019, 3, e00102.	0.8	4

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11549	Molecular characterization of a sweet potato stress tolerance-associated trehalose-6-phosphate synthase 1 gene (IbTPS1) in response to abiotic stress. <i>Plant Biotechnology Reports</i> , 2019, 13, 235-243.	0.9	7
11550	Tasselseed5 overexpresses a wound-inducible enzyme, ZmCYP94B1, that affects jasmonate catabolism, sex determination, and plant architecture in maize. <i>Communications Biology</i> , 2019, 2, 114.	2.0	42
11551	Shade delays flowering in <i>Medicago sativa</i> . <i>Plant Journal</i> , 2019, 99, 7-22.	2.8	36
11552	Genome-wide mining seed-specific candidate genes from peanut for promoter cloning. <i>PLoS ONE</i> , 2019, 14, e0214025.	1.1	10
11553	Identification and function analysis of a type 2 diacylglycerol acyltransferase (DGAT2) from the endosperm of coconut (<i>Cocos nucifera</i> L.). <i>Gene</i> , 2019, 702, 75-82.	1.0	9
11554	A MAPK cascade downstream of IDA/HAE/HSL2 ligand-receptor pair in lateral root emergence. <i>Nature Plants</i> , 2019, 5, 414-423.	4.7	90
11555	Clade I TGACG-Motif Binding Basic Leucine Zipper Transcription Factors Mediate BLADE-ON-PETIOLE-Dependent Regulation of Development. <i>Plant Physiology</i> , 2019, 180, 937-951.	2.3	68
11556	Functional characterisation of two phytochelatin synthases in rice (<i>Oryza sativa</i> cv. Milyang) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	20
11557	The transcription factor MYB2 acts as a negative regulator of secondary cell wall thickening in anther and stem. <i>Gene</i> , 2019, 702, 158-165.	1.0	4
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11559	Interactions between hydrogen sulphide and nitric oxide regulate two soybean citrate transporters during the alleviation of aluminium toxicity. <i>Plant, Cell and Environment</i> , 2019, 42, 2340-2356.	2.8	63
11560	Transient activity of the florigen complex during the floral transition in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2019, 146, .	1.2	35
11561	The Rapid Methylation of T-DNAs Upon Agrobacterium Inoculation in Plant Leaves. <i>Frontiers in Plant Science</i> , 2019, 10, 312.	1.7	17
11562	Genetic and physical interactions between the organellar mechanosensitive ion channel homologs MSL1, MSL2, and MSL3 reveal a role for inter-organellar communication in plant development. <i>Plant Direct</i> , 2019, 3, e00124.	0.8	18
11563	Isolation and characterization of a novel seed-specific promoter from peanut (<i>Arachis hypogaea</i> L.). <i>Molecular Biology Reports</i> , 2019, 46, 3183-3191.	1.0	7
11564	Jasmonate Signal Receptor Gene Family ZmCOIs Restore Male Fertility and Defense Response of Arabidopsis mutant coi1-1. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 479-493.	2.8	23
11565	ATC8-Binding UIM Proteins Define a New Class of Autophagy Adaptors and Receptors. <i>Cell</i> , 2019, 177, 766-781.e24.	13.5	235

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11567	Heterologous expression of rice RNA-binding glycine-rich (RBG) gene <i>OsRBGD3</i> in transgenic <i>Arabidopsis thaliana</i> confers cold stress tolerance. <i>Functional Plant Biology</i> , 2019, 46, 482.	1.1	12
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11569	The mitochondrial oxidation resistance protein <i>AtOXR2</i> increases plant biomass and tolerance to oxidative stress. <i>Journal of Experimental Botany</i> , 2019, 70, 3177-3195.	2.4	14
11570	Genetic interactions reveal the antagonistic roles of <i>FT</i> and <i>TSF</i> and <i>TFL1</i> in the determination of inflorescence meristem identity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 99, 452-464.	2.8	30
11571	Comparative transcriptome analysis and ChIP-sequencing reveals stage-specific gene expression and regulation profiles associated with pollen wall formation in <i>Brassica rapa</i> . <i>BMC Genomics</i> , 2019, 20, 264.	1.2	20
11572	Assessment of Cas12a-mediated gene editing efficiency in plants. <i>Plant Biotechnology Journal</i> , 2019, 17, 1971-1984.	4.1	94
11573	Floral regulators <i>FLC</i> and <i>SOC1</i> directly regulate expression of the B3-type transcription factor <i>TARGET OF FLC AND SVP 1</i> at the <i>Arabidopsis</i> shoot apex via antagonistic chromatin modifications. <i>PLoS Genetics</i> , 2019, 15, e1008065.	1.5	48
11574	<i>CjPLE</i> , a <i>PLENA</i> -like gene, is a potential regulator of fruit development via activating the <i>FRUITFUL</i> homolog in <i>Camellia</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 3153-3164.	2.4	4
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11577	Epigenetic signatures associated with imprinted paternally expressed genes in the <i>Arabidopsis</i> endosperm. <i>Genome Biology</i> , 2019, 20, 41.	3.8	40
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11580	Variation in Membrane Trafficking Linked to SNARE <i>AtSYP51</i> Interaction With Aquaporin <i>NIP1;1</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1949.	1.7	36
11581	<i>PEX16</i> contributions to peroxisome import and metabolism revealed by viable <i>Arabidopsis pex16</i> mutants. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 853-870.	4.1	5
11582	Loss of the M-box from the glycine decarboxylase P-subunit promoter in <i>C2 Moricandia</i> species. <i>Plant Gene</i> , 2019, 18, 100176.	1.4	12
11583	Tubby-like Protein 2 regulates homogalacturonan biosynthesis in <i>Arabidopsis</i> seed coat mucilage. <i>Plant Molecular Biology</i> , 2019, 99, 421-436.	2.0	24

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11585	<i>Medicago falcata</i> MfSTMIR, an E3 ligase of endoplasmic reticulum-associated degradation, is involved in salt stress response. <i>Plant Journal</i> , 2019, 98, 680-696.	2.8	16
11586	Surface wax esters contribute to drought tolerance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 98, 727-744.	2.8	88
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11589	Concerted expression of a cell cycle regulator and a metabolic enzyme from a bicistronic transcript in plants. <i>Nature Plants</i> , 2019, 5, 184-193.	4.7	30
11590	Optimized small molecule pull-downs define <i>MLBP1</i> as an acyl lipid-binding protein. <i>Plant Journal</i> , 2019, 98, 928-941.	2.8	5
11591	<i>ABA</i> inhibits myristoylation and induces shuttling of the <i>RGLG1</i> E3 ligase to promote nuclear degradation of <i>PP2CA</i> . <i>Plant Journal</i> , 2019, 98, 813-825.	2.8	59
11592	Identification of Novel Inhibitors of Auxin-Induced Ca^{2+} Signaling via a Plant-Based Chemical Screen. <i>Plant Physiology</i> , 2019, 180, 480-496.	2.3	18
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11596	Regulation of a plant aquaporin by a Casparian strip membrane domain protein-like. <i>Plant, Cell and Environment</i> , 2019, 42, 1788-1801.	2.8	18
11597	Genome-wide analysis and identification of the low potassium stress responsive gene SiMYB3 in foxtail millet (<i>Setaria italica</i> L.). <i>BMC Genomics</i> , 2019, 20, 136.	1.2	15
11598	Characterization of TERMINAL FLOWER1 homologs CmTFL1c gene from <i>Chrysanthemum morifolium</i> . <i>Plant Molecular Biology</i> , 2019, 99, 587-601.	2.0	17
11599	A Functional Unfolded Protein Response Is Required for Normal Vegetative Development. <i>Plant Physiology</i> , 2019, 179, 1834-1843.	2.3	37
11600	Genome-Wide Identification and Characterization of SQUAMOSA Promoter-Binding Protein (SBP) Genes Involved in the Flowering Development of Citrus Clementina. <i>Biomolecules</i> , 2019, 9, 66.	1.8	20
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11603	A facile forward-genetic screen for <i>Arabidopsis</i> autophagy mutants reveals twenty-one loss-of-function mutations disrupting six <i>ATG</i> genes. <i>Autophagy</i> , 2019, 15, 941-959.	4.3	42
11604	Histone Deacetylase HDA19 Affects Root Cortical Cell Fate by Interacting with SCARECROW. <i>Plant Physiology</i> , 2019, 180, 276-288.	2.3	13
11605	Genetic buffering of cyclic <i>AMP</i> in <i>Arabidopsis thaliana</i> compromises the plant immune response triggered by an avirulent strain of <i>Pseudomonas syringae</i> pv. <i>tomato</i> . <i>Plant Journal</i> , 2019, 98, 590-606.	2.8	32
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11607	Agrobacterium-mediated genetic transformation of ajowan (<i>Trachyspermum ammi</i> (L.) Sprague): an important industrial medicinal plant. <i>Industrial Crops and Products</i> , 2019, 132, 29-40.	2.5	27
11608	Characterization of Cellulose synthase-like D (CSLD) family revealed the involvement of PtrCslD5 in root hair formation in <i>Populus trichocarpa</i> . <i>Scientific Reports</i> , 2019, 9, 1452.	1.6	16
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11610	The AGC protein kinase UNICORN controls planar growth by attenuating PDK1 in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2019, 15, e1007927.	1.5	15
11611	A genome-wide association study reveals a novel regulator of ovule number and fertility in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2019, 15, e1007934.	1.5	37
11612	Alternative splicing of ZmCCA1 mediates drought response in tropical maize. <i>PLoS ONE</i> , 2019, 14, e0211623.	1.1	24
11613	A New Role for SAG12 Cysteine Protease in Roots of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 9, 1998.	1.7	20
11614	Genome-wide association study dissects the genetic bases of salt tolerance in maize seedlings. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 658-674.	4.1	72
11615	The genetic basis of drought tolerance in the high oil crop <i>Sesamum indicum</i> . <i>Plant Biotechnology Journal</i> , 2019, 17, 1788-1803.	4.1	63
11616	Development of an efficient root transgenic system for pigeon pea and its application to other important economically plants. <i>Plant Biotechnology Journal</i> , 2019, 17, 1804-1813.	4.1	77
11617	Re-targeting of a plant defense protease by a cyst nematode effector. <i>Plant Journal</i> , 2019, 98, 1000-1014.	2.8	30
11618	Function of Brassica napus BnABI3 in <i>Arabidopsis</i> gs1, an Allele of AtABI3, in Seed Development and Stress Response. <i>Frontiers in Plant Science</i> , 2019, 10, 67.	1.7	9
11619	The expression of a tubby-like protein from <i>Malus domestica</i> (MdTLP7) enhances abiotic stress tolerance in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2019, 19, 60.	1.6	20

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11621	A Family of NAI2-Interacting Proteins in the Biogenesis of the ER Body and Related Structures. <i>Plant Physiology</i> , 2019, 180, 212-227.	2.3	10
11622	Rho-of-plant-activated root hair formation requires <i>Arabidopsis</i> YIP4a/b gene function. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	25
11623	The CIN-TCP transcription factors promote commitment to differentiation in Arabidopsis leaf pavement cells via both auxin-dependent and independent pathways. <i>PLoS Genetics</i> , 2019, 15, e1007988.	1.5	55
11624	PpERF3 positively regulates ABA biosynthesis by activating PpNCED2/3 transcription during fruit ripening in peach. <i>Horticulture Research</i> , 2019, 6, 19.	2.9	51
11625	Deficiency of AtGFAT1 activity impairs growth, pollen germination and tolerance to tunicamycin in Arabidopsis. <i>Journal of Experimental Botany</i> , 2019, 70, 1775-1787.	2.4	10
11626	Multifaceted Role of PheDof12-1 in the Regulation of Flowering Time and Abiotic Stress Responses in Moso Bamboo (<i>Phyllostachys edulis</i>). <i>International Journal of Molecular Sciences</i> , 2019, 20, 424.	1.8	22
11627	Transgenic Ornamentals for Phytoremediation of Metals and Metalloids. , 2019, , 477-497.		2
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11629	Co-expression of SpSOS1 and SpAHA1 in transgenic Arabidopsis plants improves salinity tolerance. <i>BMC Plant Biology</i> , 2019, 19, 74.	1.6	38
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11631	The mitochondrial copper chaperone COX19 influences copper and iron homeostasis in arabidopsis. <i>Plant Molecular Biology</i> , 2019, 99, 621-638.	2.0	18
11632	Maize annexin genes <i>ZmANN33</i> and <i>ZmANN35</i> encode proteins that function in cell membrane recovery during seed germination. <i>Journal of Experimental Botany</i> , 2019, 70, 1183-1195.	2.4	37
11633	AtU2<sc>AF</sc>65b functions in abscisic acid mediated flowering via regulating the precursor messenger <sc>RNA</sc> splicing of <i><sc>ABI</sc>5</i> and <i><sc>FLC</sc></i> in <i>Arabidopsis</i>. <i>New Phytologist</i> , 2019, 223, 277-292.	3.5	59
11634	Mimicking natural polymorphism in <i><sc>eIF</sc>4E</i> by <sc>CRISPR</sc>-Cas9 base editing is associated with resistance to potyviruses. <i>Plant Biotechnology Journal</i> , 2019, 17, 1736-1750.	4.1	129
11635	PACLOBUTRAZOL-RESISTANCE Gene Family Regulates Floral Organ Growth with Unequal Genetic Redundancy in Arabidopsis thaliana. <i>International Journal of Molecular Sciences</i> , 2019, 20, 869.	1.8	16
11636	Genome-wide screening of hexokinase gene family and functional elucidation of HXK2 response to cold stress in <i>Jatropha curcas</i> . <i>Molecular Biology Reports</i> , 2019, 46, 1649-1660.	1.0	15
11637	Responsiveness and Adaptation to Salt Stress of the REDOX-RESPONSIVE TRANSCRIPTION FACTOR 1 (RRTF1) Gene are Controlled by its Promoter. <i>Molecular Biotechnology</i> , 2019, 61, 254-260.	1.3	21

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11639	Transgenic Wucai (<i>Brassica campestris</i> L.) produced via <i>Agrobacterium</i> -mediated anther transformation in planta. <i>Plant Cell Reports</i> , 2019, 38, 577-586.	2.8	20
11640	The Root Cap Cuticle: A Cell Wall Structure for Seedling Establishment and Lateral Root Formation. <i>Cell</i> , 2019, 176, 1367-1378.e8.	13.5	103
11641	Site-specific manipulation of <i>Arabidopsis</i> loci using CRISPR-Cas9 SunTag systems. <i>Nature Communications</i> , 2019, 10, 729.	5.8	215
11642	An <i>Arabidopsis</i> TIR-Lectin Two-Domain Protein Confers Defense Properties against <i>Tetranychus urticae</i> . <i>Plant Physiology</i> , 2019, 179, 1298-1314.	2.3	38
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11645	Mutation of Mediator subunit CDK 8 counteracts the stunted growth and salicylic acid hyperaccumulation phenotypes of an <i>Arabidopsis</i> MED 5 mutant. <i>New Phytologist</i> , 2019, 223, 233-245.	3.5	17
11646	Patronus is the elusive plant securin, preventing chromosome separation by antagonizing separase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16018-16027.	3.3	22
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11648	Mutation of a Conserved Motif of PP2C.D Phosphatases Confers SAUR Immunity and Constitutive Activity. <i>Plant Physiology</i> , 2019, 181, 353-366.	2.3	29
11649	Allelic Variation in the Chloroplast Division Gene <i>FtsZ2-2</i> Leads to Natural Variation in Chloroplast Size. <i>Plant Physiology</i> , 2019, 181, 1059-1074.	2.3	8
11650	Lignin-based barrier restricts pathogens to the infection site and confers resistance in plants. <i>EMBO Journal</i> , 2019, 38, e101948.	3.5	198
11651	LBD29-Involved Auxin Signaling Represses NAC Master Regulators and Fiber Wall Biosynthesis. <i>Plant Physiology</i> , 2019, 181, 595-608.	2.3	27
11652	The application of an <i>Agrobacterium</i> -mediated in planta transformation system in a <i>Catharanthus roseus</i> medicinal plant. <i>Czech Journal of Genetics and Plant Breeding</i> , 2020, 56, 34-41.	0.4	5
11653	The <i>Arabidopsis thaliana</i> Nucleo-recognin E3 ligase PROTEOLYSIS1 influences the immune response. <i>Plant Direct</i> , 2019, 3, e00194.	0.8	12
11654	AtDAT1 Is a Key Enzyme of D-Amino Acid Stimulated Ethylene Production in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1609.	1.7	7
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11657	ORANGE Represses Chloroplast Biogenesis in Etiolated Arabidopsis Cotyledons via Interaction with TCP14. <i>Plant Cell</i> , 2019, 31, 2996-3014.	3.1	49
11658	AtNDB2 Is the Main External NADH Dehydrogenase in Mitochondria and Is Important for Tolerance to Environmental Stress. <i>Plant Physiology</i> , 2019, 181, 774-788.	2.3	67
11659	<i>EpABC</i> Genes in the Adaptive Responses of <i>Exophiala pisciphila</i> to Metal Stress: Functional Importance and Relation to Metal Tolerance. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	13
11660	Characterization of Arabidopsis thaliana Plants Expressing Bacterial Phytase. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 884-892.	0.5	0
11661	Genetic Basis of Fiber Improvement and Decreased Stress Tolerance in Cultivated Versus Semi-Domesticated Upland Cotton. <i>Frontiers in Plant Science</i> , 2019, 10, 1572.	1.7	11
11662	Root Epidermal Cell Patterning Is Modulated by a Critical Residue in the WEREWOLF Transcription Factor. <i>Plant Physiology</i> , 2019, 181, 1239-1256.	2.3	26
11663	Redox-Mediated Endocytosis of a Receptor-Like Kinase during Distal Stem Cell Differentiation Depends on Its Tumor Necrosis Factor Receptor Domain. <i>Plant Physiology</i> , 2019, 181, 1075-1095.	2.3	11
11664	Identification and characterization of the GmRD26 soybean promoter in response to abiotic stresses: potential tool for biotechnological application. <i>BMC Biotechnology</i> , 2019, 19, 79.	1.7	21
11665	Cunninghamia lanceolata PSK Peptide Hormone Genes Promote Primary Root Growth and Adventitious Root Formation. <i>Plants</i> , 2019, 8, 520.	1.6	23
11666	Genome-Wide Identification and Characterization of ABC Transporters in Nine Rosaceae Species Identifying MdABCG28 as a Possible Cytokinin Transporter linked to Dwarfing. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5783.	1.8	21
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11670	Cloning and Expression Analysis of the BocMBF1c Gene Involved in Heat Tolerance in Chinese Kale. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5637.	1.8	9
11671	The Cotton GhWRKY91 Transcription Factor Mediates Leaf Senescence and Responses to Drought Stress in Transgenic Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2019, 10, 1352.	1.7	35
11672	Functional Analysis of Pepper F-box Protein CaDIF1 and Its Interacting Partner CaDIS1: Modulation of ABA Signaling and Drought Stress Response. <i>Frontiers in Plant Science</i> , 2019, 10, 1365.	1.7	14
11673	Ectopic Expression of Glycine max GmNAC109 Enhances Drought Tolerance and ABA Sensitivity in Arabidopsis. <i>Biomolecules</i> , 2019, 9, 714.	1.8	14

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11675	Calmodulin is involved in the dual subcellular location of two chloroplast proteins. <i>Journal of Biological Chemistry</i> , 2019, 294, 17543-17554.	1.6	6
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11677	NAC-Like Gene GIBBERELLIN SUPPRESSING FACTOR Regulates the Gibberellin Metabolic Pathway in Response to Cold and Drought Stresses in Arabidopsis. <i>Scientific Reports</i> , 2019, 9, 19226.	1.6	17
11678	ABC transporter genes ABC-C6 and ABC-G33 alter plant-microbe-parasite interactions in the rhizosphere. <i>Scientific Reports</i> , 2019, 9, 19899.	1.6	20
11679	Arabidopsis Thaliana : From Weed to Model Organism. <i>Current Protocols in Essential Laboratory Techniques</i> , 2019, 19, e38.	2.6	0
11680	Ectopic expression of <i>Medicago truncatula</i> homeodomain finger protein, MtPHD6, enhances drought tolerance in Arabidopsis. <i>BMC Genomics</i> , 2019, 20, 982.	1.2	16
11681	Generation of Transgenic Self-Incompatible Arabidopsis thaliana Shows a Genus-Specific Preference for Self-Incompatibility Genes. <i>Plants</i> , 2019, 8, 570.	1.6	19
11682	AtSIBP1, a Novel BTB Domain-Containing Protein, Positively Regulates Salt Signaling in Arabidopsis thaliana. <i>Plants</i> , 2019, 8, 573.	1.6	18
11683	Use of Yellow Fluorescent Protein Fluorescence to Track OPR3 Expression in Arabidopsis Thaliana Responses to Insect Herbivory. <i>Frontiers in Plant Science</i> , 2019, 10, 1586.	1.7	9
11684	Identification and characterization analysis of sulfotransferases (SOTs) gene family in cotton (<i>Gossypium</i>) and its involvement in fiber development. <i>BMC Plant Biology</i> , 2019, 19, 595.	1.6	11
11685	Ectopic expression of citrus UDP-GLUCOSYL TRANSFERASE gene enhances anthocyanin and proanthocyanidins contents and confers high light tolerance in Arabidopsis. <i>BMC Plant Biology</i> , 2019, 19, 603.	1.6	32
11686	BBX4, a phyB-interacting and modulated regulator, directly interacts with PIF3 to fine tune red light-mediated photomorphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26049-26056.	3.3	34
11687	Genome-Wide Analysis of the YABBY Transcription Factor Family in Pineapple and Functional Identification of AcYABBY4 Involvement in Salt Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5863.	1.8	36
11688	phyB and HY5 are Involved in the Blue Light-Mediated Alleviation of Dormancy of Arabidopsis Seeds Possibly via the Modulation of Expression of Genes Related to Light, GA, and ABA. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5882.	1.8	22
11689	Functional Analysis of the Soybean GmCDPK3 Gene Responding to Drought and Salt Stresses. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5909.	1.8	31
11690	Identification and Characterization of HAESA-Like Genes Involved in the Fruitlet Abscission in Litchi. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5945.	1.8	14
11691	Identification of Flower-Specific Promoters through Comparative Transcriptome Analysis in Brassica napus. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5949.	1.8	14

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11693	A Stress-Associated Protein, PtSAP13, From <i>Populus trichocarpa</i> Provides Tolerance to Salt Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5782.	1.8	21
11694	Expression of <i>Eucalyptus globulus</i> LACCASE48 Restores Lignin Content of <i>Arabidopsis thaliana</i> lac17 Mutant. <i>Plant Molecular Biology Reporter</i> , 2019, 37, 488-498.	1.0	1
11695	Overexpression of OsPUB41, a Rice E3 ubiquitin ligase induced by cell wall degrading enzymes, enhances immune responses in Rice and <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2019, 19, 530.	1.6	12
11696	Functional Analysis of MaWRKY24 in Transcriptional Activation of Autophagy-Related Gene <i>8f/g</i> and Plant Disease Susceptibility to Soil-Borne <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> . <i>Pathogens</i> , 2019, 8, 264.	1.2	10
11697	HISTONE DEACETYLASE 9 stimulates auxin-dependent thermomorphogenesis in <i>Arabidopsis thaliana</i> by mediating H2A.Z depletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25343-25354.	3.3	91
11698	Development of nematode resistance in <i>Arabidopsis</i> by HD-RNAi-mediated silencing of the effector gene <i>Mi-msp2</i> . <i>Scientific Reports</i> , 2019, 9, 17404.	1.6	17
11699	Achievements, Challenges, and Prospects in the Production of Nontransgenic, Genome-Edited Plants. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 825-845.	0.3	4
11700	Sucrose Starvation Induces Microautophagy in Plant Root Cells. <i>Frontiers in Plant Science</i> , 2019, 10, 1604.	1.7	27
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11702	The Striking Flower-in-Flower Phenotype of <i>Arabidopsis thaliana</i> Nossen (No-0) is Caused by a Novel <i>LEAFY</i> Allele. <i>Plants</i> , 2019, 8, 599.	1.6	4
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11704	A MYB-related transcription factor from sheepgrass, <i>LcMYB2</i> , promotes seed germination and root growth under drought stress. <i>BMC Plant Biology</i> , 2019, 19, 564.	1.6	33
11705	Isolation and characterization of the <i>EgWRI1</i> promoter from oil palm (<i>Elaeis guineensis</i> Jacq.) and its response to environmental stress and ethylene. <i>PLoS ONE</i> , 2019, 14, e0225115.	1.1	4
11706	<i>Arabidopsis</i> SCO Proteins Oppositely Influence Cytochrome c Oxidase Levels and Gene Expression during Salinity Stress. <i>Plant and Cell Physiology</i> , 2019, 60, 2769-2784.	1.5	8
11707	The plant defensin gene <i>AtPDF2.1</i> mediates ammonium metabolism by regulating glutamine synthetase activity in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2019, 19, 557.	1.6	10
11708	<i>miR824/AGAMOUS-LIKE16</i> Module Integrates Recurring Environmental Heat Stress Changes to Fine-Tune Poststress Development. <i>Frontiers in Plant Science</i> , 2019, 10, 1454.	1.7	27
11709	The MATH-BTB Protein <i>TaMAB2</i> Accumulates in Ubiquitin-Containing Foci and Interacts With the Translation Initiation Machinery in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1469.	1.7	13

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11711	Brassinosteroid signaling delimits root gravitropism via sorting of the Arabidopsis PIN2 auxin transporter. <i>Nature Communications</i> , 2019, 10, 5516.	5.8	74
11712	Obtainment and Analysis of Marker-Free Oil Plants <i>Camelina sativa</i> (L.) Expressing of Antimicrobial Peptide Cecropin P1 Gene. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 888-898.	0.3	1
11713	Genomic Analysis of Stress Associated Proteins in Soybean and the Role of GmSAP16 in Abiotic Stress Responses in Arabidopsis and Soybean. <i>Frontiers in Plant Science</i> , 2019, 10, 1453.	1.7	79
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11719	Plant photoreceptors and their signaling components compete for COP1 binding via VP peptide motifs. <i>EMBO Journal</i> , 2019, 38, e102140.	3.5	114
11720	Identification and Characterization of Three Epithiospecifier Protein Isoforms in Brassica oleracea. <i>Frontiers in Plant Science</i> , 2019, 10, 1552.	1.7	26
11721	ZmOST1 mediates abscisic acid regulation of guard cell ion channels and drought stress responses. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 478-491.	4.1	43
11722	Apigenin produced by maize flavone synthase I and II protects plants against UV-B induced damage. <i>Plant, Cell and Environment</i> , 2019, 42, 495-508.	2.8	54
11723	The interaction between AtMT2b and AtVDAC3 affects the mitochondrial membrane potential and reactive oxygen species generation under NaCl stress in Arabidopsis. <i>Planta</i> , 2019, 249, 417-429.	1.6	24
11724	bHLH92 from sheepgrass acts as a negative regulator of anthocyanin/proanthocyanidin accumulation and influences seed dormancy. <i>Journal of Experimental Botany</i> , 2019, 70, 269-284.	2.4	41
11725	Molecular tools enabling pennycress (<i>Thlaspi arvense</i>) as a model plant and oilseed cash cover crop. <i>Plant Biotechnology Journal</i> , 2019, 17, 776-788.	4.1	75
11726	̢-(1,4)-Galactan remodelling in Arabidopsis cell walls affects the xyloglucan structure during elongation. <i>Planta</i> , 2019, 249, 351-362.	1.6	27
11727	Activator-type R2R3-MYB genes induce a repressor-type R2R3-MYB gene to balance anthocyanin and proanthocyanidin accumulation. <i>New Phytologist</i> , 2019, 221, 1919-1934.	3.5	190

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11729	GhTCP19 Transcription Factor Regulates Corm Dormancy Release by Repressing GhNCED Expression in <i>Gladiolus</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 52-62.	1.5	26
11730	The essential chloroplast ribosomal protein <i>psaL15c</i> interacts with the chloroplast RNA helicase <i>ISE2</i> and affects intercellular trafficking through plasmodesmata. <i>New Phytologist</i> , 2019, 221, 850-865.	3.5	27
11731	Multiple transcriptional regulation of walnut <i>JrGSTTau1</i> gene in response to osmotic stress. <i>Physiologia Plantarum</i> , 2019, 166, 748-761.	2.6	10
11732	<i>Oryza sativa</i> class III peroxidase (OsPRX38) overexpression in <i>Arabidopsis thaliana</i> reduces arsenic accumulation due to apoplastic lignification. <i>Journal of Hazardous Materials</i> , 2019, 362, 383-393.	6.5	88
11733	TRM 4 is essential for cellulose deposition in <i>Arabidopsis</i> seed mucilage by maintaining cortical microtubule organization and interacting with CESA 3. <i>New Phytologist</i> , 2019, 221, 881-895.	3.5	30
11734	A wheat GTP-binding protein like gene reduces tolerance to low temperature in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 148-153.	1.0	3
11735	Functional diversifications of <i>ChERF1</i> duplicate genes after the formation of allotetraploid cotton. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 60-74.	4.1	4
11736	The cotton WRKY transcription factor GhWRKY70 negatively regulates the defense response against <i>Verticillium dahliae</i> . <i>Crop Journal</i> , 2019, 7, 393-402.	2.3	39
11737	Proline-rich protein gene PdPRP regulates secondary wall formation in poplar. <i>Journal of Plant Physiology</i> , 2019, 233, 58-72.	1.6	15
11738	Maize <i>Sep15</i> -like functions in endoplasmic reticulum and reactive oxygen species homeostasis to promote salt and osmotic stress resistance. <i>Plant, Cell and Environment</i> , 2019, 42, 1486-1502.	2.8	8
11739	A group of SUVH methyl-DNA binding proteins regulate expression of the DNA demethylase ROS1 in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2019, 61, 110-119.	4.1	44
11740	Differential regulation of TNF-mediated immune signaling by redundant helper CNLs. <i>New Phytologist</i> , 2019, 222, 938-953.	3.5	186
11741	The LNK Gene Family: At the Crossroad between Light Signaling and the Circadian Clock. <i>Genes</i> , 2019, 10, 2.	1.0	21
11742	A member of the CONSTANS-Like protein family is a putative regulator of reactive oxygen species homeostasis and spaceflight physiological adaptation. <i>AoB PLANTS</i> , 2019, 11, ply075.	1.2	8
11743	Pectin Demethylesterification Generates Platforms that Anchor Peroxidases to Remodel Plant Cell Wall Domains. <i>Developmental Cell</i> , 2019, 48, 261-276.e8.	3.1	57
11744	The CmTCP20 gene regulates petal elongation growth in <i>Chrysanthemum morifolium</i> . <i>Plant Science</i> , 2019, 280, 248-257.	1.7	30
11745	ZmHAK5 and ZmHAK1 function in K ⁺ uptake and distribution in maize under low K ⁺ conditions. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 691-705.	4.1	61

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11747	Role of a cotton endoreduplication-related gene, GaTOP6B, in response to drought stress. <i>Planta</i> , 2019, 249, 1119-1132.	1.6	17
11748	Multiple intramolecular trafficking signals in RESISTANCE TO POWDERY MILDEW 8.2 are engaged in activation of cell death and defense. <i>Plant Journal</i> , 2019, 98, 55-70.	2.8	13
11749	<scp>SOG</scp>â€dependent <scp>NAC</scp>103 modulates the <scp>DNA</scp> damage response as a transcriptional regulator in Arabidopsis. <i>Plant Journal</i> , 2019, 98, 83-96.	2.8	28
11750	Novel Pollen Magnetofection System for Transformation of Cotton Plant with Magnetic Nanoparticles as Gene Carriers. <i>Methods in Molecular Biology</i> , 2019, 1902, 47-54.	0.4	16
11751	A whole-cell electron tomography model of vacuole biogenesis in Arabidopsis root cells. <i>Nature Plants</i> , 2019, 5, 95-105.	4.7	89
11752	Design and visualization of secondâ€generation cyanoisindoleâ€based fluorescent strigolactone analogs. <i>Plant Journal</i> , 2019, 98, 165-180.	2.8	6
11753	Leaf disc-mediated oral delivery of small molecules in the absence of surfactant to the two-spotted spider mite, <i>Tetranychus urticae</i> . <i>Experimental and Applied Acarology</i> , 2019, 77, 1-10.	0.7	10
11754	Functional analysis for domains of maize PPR protein EMP5 in RNA editing and plant development in Arabidopsis. <i>Plant Growth Regulation</i> , 2019, 87, 19-27.	1.8	3
11755	AtPUB48 E3 ligase plays a crucial role in the thermotolerance of Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 281-286.	1.0	23
11756	Over-expression of CarMT gene modulates the physiological performance and antioxidant defense system to provide tolerance against drought stress in Arabidopsis thaliana L. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 54-65.	2.9	39
11757	Overexpression of GmNAC085 enhances drought tolerance in Arabidopsis by regulating glutathione biosynthesis, redox balance and glutathione-dependent detoxification of reactive oxygen species and methylglyoxal. <i>Environmental and Experimental Botany</i> , 2019, 161, 242-254.	2.0	47
11758	Overexpression of RcLEC1-B, a HAP3 transcription factor of PLB from <i>Rosa canina</i> , increases the level of endogenous gibberellin and alters the development of cuticle and floral organs in Arabidopsis. <i>Gene</i> , 2019, 688, 119-131.	1.0	2
11759	Overexpression of maize sucrose non-fermenting-1-related protein kinase 1 genes, ZmSnRK1s, causes alteration in carbon metabolism and leaf senescence in Arabidopsis thaliana. <i>Gene</i> , 2019, 691, 34-44.	1.0	22
11760	A Plant Immune Receptor Degraded by Selective Autophagy. <i>Molecular Plant</i> , 2019, 12, 113-123.	3.9	57
11761	<i>PERPETUAL FLOWERING2</i> coordinates the vernalization response and perennial flowering in <i>Arabidopsis thaliana</i>. <i>Journal of Experimental Botany</i> , 2019, 70, 949-961.	2.4	17
11762	Regulation of GDSL Lipase Gene Expression by the MPK3/MPK6 Cascade and Its Downstream WRKY Transcription Factors in <i>Arabidopsis</i> Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 673-684.	1.4	23
11763	Arabidopsis Endoplasmic Reticulum-Localized UBAC2 Proteins Interact with PAMP-INDUCED COILED-COIL to Regulate Pathogen-Induced Callose Deposition and Plant Immunity. <i>Plant Cell</i> , 2019, 31, 153-171.	3.1	23

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11765	Uncoupled Expression of Nuclear and Plastid Photosynthesis-Associated Genes Contributes to Cell Death in a Lesion Mimic Mutant. <i>Plant Cell</i> , 2019, 31, 210-230.	3.1	62
11766	TCO, a Putative Transcriptional Regulator in Arabidopsis, Is a Target of the Protein Kinase CK2. <i>International Journal of Molecular Sciences</i> , 2019, 20, 99.	1.8	0
11767	AaMYB3 interacts with AabHLH1 to regulate proanthocyanidin accumulation in <i>Anthurium andraeanum</i> (Hort.)—another strategy to modulate pigmentation. <i>Horticulture Research</i> , 2019, 6, 14.	2.9	46
11768	Ionic stress enhances ER—PM connectivity via phosphoinositide-associated SYT1 contact site expansion in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1420-1429.	3.3	95
11769	<i>Arabidopsis</i> p2 modulates the phosphatidylinositol 4,5-bisphosphate signal on the plasma membrane and attenuates root hair elongation. <i>Plant Journal</i> , 2019, 99, 610-625.	2.8	14
11770	Development of bisphenol A (BPA)-sensing indicator <i>Arabidopsis thaliana</i> which synthesizes anthocyanin in response to BPA in leaves. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 627-634.	2.9	12
11771	The Ring-Type E3 Ubiquitin Ligase JUL1 Targets the VQ-Motif Protein JAV1 to Coordinate Jasmonate Signaling. <i>Plant Physiology</i> , 2019, 179, 1273-1284.	2.3	39
11772	Gene disruption through base editing—induced messenger RNA missplicing in plants. <i>New Phytologist</i> , 2019, 222, 1139-1148.	3.5	46
11773	Overexpression of Three Duplicated BnPCS Genes Enhanced Cd Accumulation and Translocation in <i>Arabidopsis thaliana</i> Mutant cad1-3. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 102, 146-152.	1.3	18
11774	Callus-mediated plant regeneration in <i>Isodon amethystoides</i> using young seedling leaves as starting materials. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 136, 247-253.	1.2	8
11775	Hydrogen peroxide facilitates <i>Arabidopsis</i> seedling establishment by interacting with light signalling pathway in the dark. <i>Plant, Cell and Environment</i> , 2019, 42, 1302-1317.	2.8	9
11776	<i>Arabidopsis</i> Group III d ERF proteins positively regulate primary cell wall-type CESA genes. <i>Journal of Plant Research</i> , 2019, 132, 117-129.	1.2	30
11777	TCP7 functions redundantly with several Class I TCPs and regulates endoreplication in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2019, 61, 1151-1170.	4.1	24
11778	The <i>Arabidopsis</i> RRM domain protein EDM3 mediates race-specific disease resistance by controlling H3K9me2-dependent alternative polyadenylation of RPP7 immune receptor transcripts. <i>Plant Journal</i> , 2019, 97, 646-660.	2.8	24
11779	Transgenic and Genome Editing Approaches for Modifying Plant Oils. <i>Methods in Molecular Biology</i> , 2019, 1864, 367-394.	0.4	5
11780	Quantitative ROS bioreporters: A robust toolkit for studying biological roles of ROS in response to abiotic and biotic stresses. <i>Physiologia Plantarum</i> , 2019, 165, 356-368.	2.6	24
11781	Pearl millet stress-responsive NAC transcription factor PgNAC21 enhances salinity stress tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 135, 546-553.	2.8	40

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11783	Genetic Dissection of Fe-Dependent Signaling in Root Developmental Responses to Phosphate Deficiency. <i>Plant Physiology</i> , 2019, 179, 300-316.	2.3	72
11784	Elevated glutathione synthesis in leaves contributes to zinc transport from roots to shoots in <i>Arabidopsis</i> . <i>Plant Science</i> , 2019, 283, 416-423.	1.7	13
11785	Transcriptional profiling identifies critical steps of cell cycle reprogramming necessary for <i>Plasmodiophora brassicae</i> -driven gall formation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 97, 715-729.	2.8	31
11786	A coupled role for <i>CsMYB75</i> and <i>CsGSTF1</i> in anthocyanin hyperaccumulation in purple tea. <i>Plant Journal</i> , 2019, 97, 825-840.	2.8	105
11787	A Förster resonance energy transfer sensor for live-cell imaging of mitogen-activated protein kinase activity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 97, 970-983.	2.8	21
11788	The Constitutive Expression of a <i>Chrysanthemum</i> ERF Transcription Factor Influences Flowering Time in <i>Arabidopsis thaliana</i> . <i>Molecular Biotechnology</i> , 2019, 61, 20-31.	1.3	20
11789	Adaption of Roots to Nitrogen Deficiency Revealed by 3D Quantification and Proteomic Analysis. <i>Plant Physiology</i> , 2019, 179, 329-347.	2.3	81
11790	<i>EGR2</i> phosphatase regulates <i>OST1</i> kinase activity and freezing tolerance in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2019, 38, .	3.5	100
11791	Zinc Finger Artificial Transcription Factor-Mediated Chloroplast Genome Interrogation in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 393-406.	1.5	0
11792	<i>Arabidopsis HSP70-16</i> is required for flower opening under normal or mild heat stress temperatures. <i>Plant, Cell and Environment</i> , 2019, 42, 1190-1204.	2.8	30
11793	The chromatin remodeler <i>ZmCHB101</i> impacts alternative splicing contexts in response to osmotic stress. <i>Plant Cell Reports</i> , 2019, 38, 131-145.	2.8	25
11794	Promoter of the wheat lipid transfer protein, <i>TdLTP4</i> , drives leaf-preferential expression in transgenic <i>Arabidopsis</i> plants. <i>Functional Plant Biology</i> , 2019, 46, 275.	1.1	2
11795	The Largest Subunit of DNA Polymerase Delta Is Required for Normal Formation of Meiotic Type I Crossovers. <i>Plant Physiology</i> , 2019, 179, 446-459.	2.3	29
11796	Independent activation of the <i>BoMYB2</i> gene leading to purple traits in <i>Brassica oleracea</i> . <i>Theoretical and Applied Genetics</i> , 2019, 132, 895-906.	1.8	60
11797	Apple SUMO E3 ligase <i>MdSIZ1</i> is involved in the response to phosphate deficiency. <i>Journal of Plant Physiology</i> , 2019, 232, 216-225.	1.6	15
11798	<i>PAPST2</i> Plays Critical Roles in Removing the Stress Signaling Molecule 5'-Phosphoadenosine 5'-Phosphate from the Cytosol and Its Subsequent Degradation in Plastids and Mitochondria. <i>Plant Cell</i> , 2019, 31, 231-249.	3.1	24
11799	Functional screening of salt tolerance genes from a halophyte <i>Sporobolus virginicus</i> and transcriptomic and metabolomic analysis of salt tolerant plants expressing glycine-rich RNA-binding protein. <i>Plant Science</i> , 2019, 278, 54-63.	1.7	18

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11800	A Synthetic Oxygen Sensor for Plants Based on Animal Hypoxia Signaling. <i>Plant Physiology</i> , 2019, 179, 986-1000.	2.3	26
11801	Pol III-Dependent Cabbage <i>BoNR8</i> Long ncRNA Affects Seed Germination and Growth in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 421-435.	1.5	19
11802	Phosphatidic Acid Directly Regulates PINOID-Dependent Phosphorylation and Activation of the PIN-FORMED2 Auxin Efflux Transporter in Response to Salt Stress. <i>Plant Cell</i> , 2019, 31, 250-271.	3.1	97
11803	Single-repeat R3 MYB transcription factors from <i>Platanus acerifolia</i> negatively regulate trichome formation in <i>Arabidopsis</i> . <i>Planta</i> , 2019, 249, 861-877.	1.6	10
11804	CARK1 phosphorylates subfamily III members of ABA receptors. <i>Journal of Experimental Botany</i> , 2019, 70, 519-528.	2.4	27
11805	<i>JcMYB1</i> , a <i>Jatropha</i> R2R3MYB Transcription Factor Gene, Modulates Lipid Biosynthesis in Transgenic Plants. <i>Plant and Cell Physiology</i> , 2019, 60, 462-475.	1.5	12
11806	Regulation of <i>FUSCA3</i> Expression During Seed Development in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 476-487.	1.5	22
11807	A feedback loop between <i>CaWRKY41</i> and H ₂ O ₂ coordinates the response to <i>Ralstonia solanacearum</i> and excess cadmium in pepper. <i>Journal of Experimental Botany</i> , 2019, 70, 1581-1595.	2.4	38
11808	<i>IDD16</i> negatively regulates stomatal initiation via transrepression of <i>SPCH</i> in <i>Arabidopsis</i> . <i>Plant Biotechnology Journal</i> , 2019, 17, 1446-1457.	4.1	22
11809	A strong early acting wound-inducible promoter, <i>RbPCD1pro</i> , activates <i>cryIac</i> expression within minutes of wounding to impart efficient protection against insects. <i>Plant Biotechnology Journal</i> , 2019, 17, 1458-1470.	4.1	7
11810	Homologous genes of epidermal patterning factor regulate stomatal development in rice. <i>Journal of Plant Physiology</i> , 2019, 234-235, 18-27.	1.6	29
11811	Phytochrome B and AGB1 Coordinately Regulate Photomorphogenesis by Antagonistically Modulating PIF3 Stability in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2019, 12, 229-247.	3.9	27
11812	The transmembrane autophagy cargo receptors AT11 and AT12 interact with ATG8 through intrinsically disordered regions with distinct biophysical properties. <i>Biochemical Journal</i> , 2019, 476, 449-465.	1.7	24
11813	Excess Pyrophosphate within Guard Cells Delays Stomatal Closure. <i>Plant and Cell Physiology</i> , 2019, 60, 875-887.	1.5	14
11814	ANGUSTIFOLIA Regulates Actin Filament Alignment for Nuclear Positioning in Leaves. <i>Plant Physiology</i> , 2019, 179, 233-247.	2.3	18
11815	Fluorescence Marker-Assisted Isolation of Cas9-Free and CRISPR-Edited <i>Arabidopsis</i> Plants. <i>Methods in Molecular Biology</i> , 2019, 1917, 147-154.	0.4	22
11816	Class III OFPs function in the ER signaling pathway to regulate plant growth and development in <i>Arabidopsis</i> . <i>Journal of Plant Interactions</i> , 2019, 14, 45-53.	1.0	6
11817	Evaluation of osmotic stress tolerance in transgenic <i>Arabidopsis</i> plants expressing <i>Solanum tuberosum</i> D200 gene. <i>Journal of Plant Interactions</i> , 2019, 14, 79-86.	1.0	13

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11818	Overexpression of the Jojoba Aquaporin Gene, ScPIP1, Enhances Drought and Salt Tolerance in Transgenic Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 153.	1.8	50
11819	TaARF4 genes are linked to root growth and plant height in wheat. <i>Annals of Botany</i> , 2019, 124, 903-915.	1.4	38
11820	A Regulatory Module Controlling GA-Mediated Endosperm Cell Expansion Is Critical for Seed Germination in Arabidopsis. <i>Molecular Plant</i> , 2019, 12, 71-85.	3.9	69
11821	Overexpression of TaMADS from wheat promotes flowering by upregulating expression of floral promoters and provides protection against thermal stress. <i>Plant Gene</i> , 2019, 17, 100168.	1.4	6
11822	BRASSINOSTEROID-SIGNALING KINASE 3, a plasma membrane-associated scaffold protein involved in early brassinosteroid signaling. <i>PLoS Genetics</i> , 2019, 15, e1007904.	1.5	76
11823	Cloning and Characterization of Two FLOWERING LOCUS T-like Genes from Rubber Tree (<i>Hevea</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	4
11824	<i>Serendipita indica</i> modulates extracellular nucleotide levels in the plant apoplast and affects fungal colonization. <i>EMBO Reports</i> , 2019, 20, .	2.0	59
11825	CbFT, a FLOWERING LOCUS T homolog from <i>Ginkgo biloba</i> , promotes flowering in transgenic Arabidopsis. <i>Scientia Horticulturae</i> , 2019, 247, 205-215.	1.7	11
11826	Bifacial cambium stem cells generate xylem and phloem during radial plant growth. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	77
11827	Specialized lysophosphatidic acid acyltransferases contribute to unusual fatty acid accumulation in exotic Euphorbiaceae seed oils. <i>Planta</i> , 2019, 249, 1285-1299.	1.6	35
11828	WRKY12 represses GSH1 expression to negatively regulate cadmium tolerance in Arabidopsis. <i>Plant Molecular Biology</i> , 2019, 99, 149-159.	2.0	80
11829	A CkDREB1 gene isolated from <i>Caragana korshinskii</i> Kom. enhances Arabidopsis drought and cold tolerance. <i>Revista Brasileira De Botanica</i> , 2019, 42, 97-105.	0.5	5
11830	A novel <i>Miscanthus</i> NAC transcription factor MINAC10 enhances drought and salinity tolerance in transgenic Arabidopsis. <i>Journal of Plant Physiology</i> , 2019, 233, 84-93.	1.6	24
11831	An AP2/ERF gene, IbRAP2-12, from sweetpotato is involved in salt and drought tolerance in transgenic Arabidopsis. <i>Plant Science</i> , 2019, 281, 19-30.	1.7	58
11832	A novel glutathione S-transferase gene from sweetpotato, IbGSTF4, is involved in anthocyanin sequestration. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 395-403.	2.8	36
11833	MPK4 Phosphorylation Dynamics and Interacting Proteins in Plant Immunity. <i>Journal of Proteome Research</i> , 2019, 18, 826-840.	1.8	35
11834	Small is big in Arabidopsis mitochondrial ribosome. <i>Nature Plants</i> , 2019, 5, 106-117.	4.7	96
11835	TAT1 and TAT2 tyrosine aminotransferases have both distinct and shared functions in tyrosine metabolism and degradation in Arabidopsis thaliana. <i>Journal of Biological Chemistry</i> , 2019, 294, 3563-3576.	1.6	30

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11836	Overexpression of cinnamyl alcohol dehydrogenase gene from sweetpotato enhances oxidative stress tolerance in transgenic Arabidopsis. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2019, 55, 172-179.	0.9	14
11837	Optimization of T-DNA architecture for Cas9-mediated mutagenesis in Arabidopsis. <i>PLoS ONE</i> , 2019, 14, e0204778.	1.1	96
11838	Comparative Transcriptome Analysis Reveals an Efficient Mechanism of $\hat{1}\pm$ -Linolenic Acid in Tree Peony Seeds. <i>International Journal of Molecular Sciences</i> , 2019, 20, 65.	1.8	25
11839	Investigation of the AQP Family in Soybean and the Promoter Activity of TIP2;6 in Heat Stress and Hormone Responses. <i>International Journal of Molecular Sciences</i> , 2019, 20, 262.	1.8	28
11840	The $\hat{1}\pm$ -Aurora Kinases Function in Vascular Development in Arabidopsis. <i>Plant and Cell Physiology</i> , 2019, 60, 188-201.	1.5	5
11841	Natural variation in a molybdate transporter controls grain molybdenum concentration in rice. <i>New Phytologist</i> , 2019, 221, 1983-1997.	3.5	44
11842	The Arabidopsis nucleoporin NUP1 is essential for megasporogenesis and early stages of pollen development. <i>Plant Cell Reports</i> , 2019, 38, 59-74.	2.8	11
11843	Overexpression of MhYTP2 enhances apple water-use efficiency by activating ABA and ethylene signaling. <i>Environmental and Experimental Botany</i> , 2019, 157, 260-268.	2.0	19
11844	DRMY1, a Myb-Like Protein, Regulates Cell Expansion and Seed Production in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2019, 60, 285-302.	1.5	15
11845	phyB Interacts with BES1 to Regulate Brassinosteroid Signaling in Arabidopsis. <i>Plant and Cell Physiology</i> , 2019, 60, 353-366.	1.5	49
11846	NADP-MALIC ENZYME 1 Affects Germination after Seed Storage in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 318-328.	1.5	25
11847	CLASP stabilization of plus ends created by severing promotes microtubule creation and reorientation. <i>Journal of Cell Biology</i> , 2019, 218, 190-205.	2.3	52
11848	Reporter gene expression reveals precise auxin synthesis sites during fruit and root development in wild strawberry. <i>Journal of Experimental Botany</i> , 2019, 70, 563-574.	2.4	56
11849	CLE9 peptide-induced stomatal closure is mediated by abscisic acid, hydrogen peroxide, and nitric oxide in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 1033-1044.	2.8	101
11850	The WRKY transcription factor, WRKY13, activates <i>PDR8</i> expression to positively regulate cadmium tolerance in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 891-903.	2.8	128
11851	Differential regulation and interaction of homoeologous WRKY 18 and WRKY 40 in Arabidopsis allotetraploids and biotic stress responses. <i>Plant Journal</i> , 2019, 97, 352-367.	2.8	48
11852	TIR-NB-LRR immune receptor SOC3 pairs with truncated TIR-NB protein CHS1 or TN2 to monitor the homeostasis of E3 ligase SAUL1. <i>New Phytologist</i> , 2019, 221, 2054-2066.	3.5	43
11853	An RXLR effector secreted by <i>Phytophthora parasitica</i> is a virulence factor and triggers cell death in various plants. <i>Molecular Plant Pathology</i> , 2019, 20, 356-371.	2.0	39

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11855	Calcium-dependent protein kinase CPK9 negatively functions in stomatal abscisic acid signaling by regulating ion channel activity in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2019, 99, 113-122.	2.0	28
11856	Isolation, functional characterization and evolutionary study of LFY1 gene in <i>Prunus mume</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 136, 523-536.	1.2	8
11857	Wheat Cell Number Regulator CNR10 Enhances the Tolerance, Translocation, and Accumulation of Heavy Metals in Plants. <i>Environmental Science & Technology</i> , 2019, 53, 860-867.	4.6	34
11858	Mdb<sc>HLH</sc>93, an apple activator regulating leaf senescence, is regulated by <sc>ABA</sc> and Md<sc>BT</sc>2 in antagonistic ways. <i>New Phytologist</i> , 2019, 222, 735-751.	3.5	76
11859	An auxin signaling gene <i>BnaA3</i>. <i>IAA</i>7</i> contributes to improved plant architecture and yield heterosis in rapeseed. <i>New Phytologist</i> , 2019, 222, 837-851.	3.5	80
11860	Wheat TaVIT2D restores phenotype and mediates iron homeostasis during growth of <i>Arabidopsis thaliana</i> in iron-deficient conditions. <i>Plant Physiology Reports</i> , 2019, 24, 24-34.	0.7	1
11861	A pepper RINGétype E3 ligase, CaASRF1, plays a positive role in drought tolerance via modulation of CaAIBZ1 stability. <i>Plant Journal</i> , 2019, 98, 5-18.	2.8	55
11862	An important role of <sc>I</sc>éfucose biosynthesis and protein fucosylation genes in <i>Arabidopsis</i> immunity. <i>New Phytologist</i> , 2019, 222, 981-994.	3.5	34
11863	Functional characterization of GhPHOT2 in chloroplast avoidance of <i>Gossypium hirsutum</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 135, 51-60.	2.8	23
11864	Increases in Absolute Temperature Stimulate Free Calcium Concentration Elevations in the Chloroplast. <i>Plant and Cell Physiology</i> , 2019, 60, 538-548.	1.5	43
11865	<i>Arabidopsis</i> CER1-LIKE1 Functions in a Cuticular Very-Long-Chain Alkane-Forming Complex. <i>Plant Physiology</i> , 2019, 179, 415-432.	2.3	73
11866	Wood forming tissueéspecific bicistronic expression of <i>Pd<sc>GA</sc>20ox1</i> and <i>Ptr<sc>MYB</sc>221</i> improves both the quality and quantity of woody biomass production in a hybrid poplar. <i>Plant Biotechnology Journal</i> , 2019, 17, 1048-1057.	4.1	37
11867	ABI5-BINDING PROTEIN2 Coordinates CONSTANS to Delay Flowering by Recruiting the Transcriptional Corepressor TPR2. <i>Plant Physiology</i> , 2019, 179, 477-490.	2.3	29
11868	Characterization of <i>NPR1</i> and <i>NPR4</i> genes from mulberry (<i>Morus multicaulis</i>) and their roles in development and stress resistance. <i>Physiologia Plantarum</i> , 2019, 167, 302-316.	2.6	16
11869	The Plastidic Sugar Transporter pSuT Influences Flowering and Affects Cold Responses. <i>Plant Physiology</i> , 2019, 179, 569-587.	2.3	77
11870	Modulation of Auxin Signaling and Development by Polyadenylation Machinery. <i>Plant Physiology</i> , 2019, 179, 686-699.	2.3	15
11871	Autoimmunity and effector recognition in <i>Arabidopsis thaliana</i> can be uncoupled by mutations in the RRS1éR immune receptor. <i>New Phytologist</i> , 2019, 222, 954-965.	3.5	10

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11872	Direct Regulation of the EFR-Dependent Immune Response by Arabidopsis TCP Transcription Factors. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 540-549.	1.4	19
11873	OXA2b is Crucial for Proper Membrane Insertion of COX2 during Biogenesis of Complex IV in Plant Mitochondria. <i>Plant Physiology</i> , 2019, 179, 601-615.	2.3	17
11874	Plant-derived secretory component forms secretory IgA with shiga toxin 1-specific dimeric IgA produced by mouse cells and whole plants. <i>Plant Cell Reports</i> , 2019, 38, 161-172.	2.8	4
11875	Sugar Transporter Protein 1 (STP1) contributes to regulation of the genes involved in shoot branching via carbon partitioning in <i>Arabidopsis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 472-481.	0.6	14
11876	Cation Specificity of Vacuolar NHX-Type Cation/H ⁺ Antiporters. <i>Plant Physiology</i> , 2019, 179, 616-629.	2.3	119
11877	The role of HEXOKINASE1 in Arabidopsis leaf growth. <i>Plant Molecular Biology</i> , 2019, 99, 79-93.	2.0	20
11878	Identification and characterization of FRUITFULL-like genes from <i>Platanus acerifolia</i> , a basal eudicot tree. <i>Plant Science</i> , 2019, 280, 206-218.	1.7	11
11879	The involvement of a herbivore-induced acyl-CoA oxidase gene, CsACX1, in the synthesis of jasmonic acid and its expression in flower opening in tea plant (<i>Camellia sinensis</i>). <i>Plant Physiology and Biochemistry</i> , 2019, 135, 132-140.	2.8	22
11880	<i>Xylella fastidiosa</i> subsp. <i>pauca</i> and <i>fastidiosa</i> Colonize Arabidopsis Systemically and Induce Anthocyanin Accumulation in Infected Leaves. <i>Phytopathology</i> , 2019, 109, 225-232.	1.1	12
11881	ELF18-INDUCED LONG NONCODING RNA ¹ evicts fibrillarin from mediator subunit to enhance <i>PATHOGENESIS-RELATED GENE¹</i> (<i>PR1</i>) expression. <i>New Phytologist</i> , 2019, 221, 2067-2079.	3.5	87
11882	Tissue-specific transcriptomic profiling of <i>Plantago major</i> provides insights for the involvement of vasculature in phosphate deficiency responses. <i>Molecular Genetics and Genomics</i> , 2019, 294, 159-175.	1.0	8
11883	The heterologous expression of CmBBX22 delays leaf senescence and improves drought tolerance in Arabidopsis. <i>Plant Cell Reports</i> , 2019, 38, 15-24.	2.8	31
11884	CBL-interacting protein kinase 25 contributes to root meristem development. <i>Journal of Experimental Botany</i> , 2019, 70, 133-147.	2.4	35
11885	Characterization of Maf1 in Arabidopsis: function under stress conditions and regulation by the TOR signaling pathway. <i>Planta</i> , 2019, 249, 527-542.	1.6	20
11886	Isolation and functional identification of an apple MdCER1 gene. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 136, 1-13.	1.2	29
11887	TGAC-BINDING FACTORS (TGAs) and TGA-interacting C-type glutaredoxins modulate hyponastic growth in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2019, 221, 1906-1918.	3.5	43
11888	The grapevine (<i>Vitis vinifera</i>) LysM receptor kinases VvLYK ¹ and VvLYK ² mediate chitoooligosaccharide-triggered immunity. <i>Plant Biotechnology Journal</i> , 2019, 17, 812-825.	4.1	44
11889	Golgi-localized cation/proton exchangers regulate ionic homeostasis and stomorphogenesis in Arabidopsis. <i>Plant, Cell and Environment</i> , 2019, 42, 673-687.	2.8	25

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11890	The soybean <i>Rhg1</i> amino acid transporter gene alters glutamate homeostasis and jasmonic acid-induced resistance to soybean cyst nematode. <i>Molecular Plant Pathology</i> , 2019, 20, 270-286.	2.0	26
11891	Natural allelic variation of <i>GVS1</i> confers diversity in the regulation of leaf senescence in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2019, 221, 2320-2334.	3.5	23
11892	The cotton laccase gene <i>GhLAC15</i> enhances <i>Verticillium</i> wilt resistance via an increase in defence-induced lignification and lignin components in the cell walls of plants. <i>Molecular Plant Pathology</i> , 2019, 20, 309-322.	2.0	111
11893	<i>EFFECTOR OF TRANSCRIPTION</i> factors are novel plant-specific regulators associated with genomic DNA methylation in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2019, 221, 261-278.	3.5	20
11894	Jasmonic acid-inducible <i>TSA1</i> facilitates <i>ER</i> body formation. <i>Plant Journal</i> , 2019, 97, 267-280.	2.8	18
11895	A gene-stacking approach to overcome the trade-off between drought stress tolerance and growth in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 97, 240-256.	2.8	63
11896	Tubulin acetylation accompanies autophagy development induced by different abiotic stimuli in <i>Arabidopsis thaliana</i> . <i>Cell Biology International</i> , 2019, 43, 1056-1064.	1.4	18
11897	<i>VvWRKY30</i> , a grape <i>WRKY</i> transcription factor, plays a positive regulatory role under salinity stress. <i>Plant Science</i> , 2019, 280, 132-142.	1.7	104
11898	Phosphorylation of the outer membrane mitochondrial protein OM64 influences protein import into mitochondria. <i>Mitochondrion</i> , 2019, 44, 93-102.	1.6	15
11899	Exploring the role of cellular homologous of the 30K-superfamily of plant virus movement proteins. <i>Virus Research</i> , 2019, 262, 54-61.	1.1	5
11900	<i>Arabidopsis thaliana</i> expressing <i>PbBSMT</i> , a gene encoding a <i>SABATH</i> -type methyltransferase from the plant pathogenic protist <i>Plasmodiophora brassicae</i> , show leaf chlorosis and altered host susceptibility. <i>Plant Biology</i> , 2019, 21, 120-130.	1.8	43
11901	<i>CKB1</i> regulates expression of ribosomal protein L10 family gene and plays a role in UV-B response. <i>Plant Biology</i> , 2020, 22, 143-152.	1.8	12
11902	Overexpressing broccoli tryptophan biosynthetic genes <i>BoTSB1</i> and <i>BoTSB2</i> promotes biosynthesis of IAA and indole glucosinolates. <i>Physiologia Plantarum</i> , 2020, 168, 174-187.	2.6	16
11903	<i>Arabidopsis</i> <i>PEAPODs</i> function with <i>LIKE HETEROCHROMATIN PROTEIN1</i> to regulate lateral organ growth. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 812-831.	4.1	13
11904	Photoexcited phytochrome B interacts with brassinazole resistant 1 to repress brassinosteroid signaling in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 652-667.	4.1	34
11905	<i>Arabidopsis AIP1-1</i> regulates the organization of apical actin filaments by promoting their turnover in pollen tubes. <i>Science China Life Sciences</i> , 2020, 63, 239-250.	2.3	17
11906	Analysis of the genetic architecture of maize kernel size traits by combined linkage and association mapping. <i>Plant Biotechnology Journal</i> , 2020, 18, 207-221.	4.1	64
11907	Overexpression of <i>FBR41</i> enhances resistance to sphinganine analog mycotoxin-induced cell death and <i>Alternaria</i> stem canker in tomato. <i>Plant Biotechnology Journal</i> , 2020, 18, 141-154.	4.1	17

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11908	Identification of transcription factors that regulate <i>ATG8</i> expression and autophagy in <i>Arabidopsis</i> . <i>Autophagy</i> , 2020, 16, 123-139.	4.3	81
11909	Functional Characterization of Three Novel Genes Encoding Diacylglycerol Acyltransferase (DGAT) from Oil-Rich Tubers of <i>Cyperus esculentus</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 118-129.	1.5	18
11910	Constitutive expression of chrysanthemum <i>CmBBX29</i> delays flowering time in transgenic <i>Arabidopsis</i> . <i>Canadian Journal of Plant Science</i> , 2020, 100, 86-94.	0.3	6
11911	Enhance sucrose accumulation in strawberry fruits by eliminating the translational repression of FabZIPs1.1. <i>Scientia Horticulturae</i> , 2020, 259, 108850.	1.7	12
11912	Isolation and characterization of two APETALA1-Like genes from mango (<i>Mangifera indica</i> L.). <i>Scientia Horticulturae</i> , 2020, 259, 108814.	1.7	21
11913	Three CNGC Family Members, CNGC5, CNGC6, and CNGC9, Are Required for Constitutive Growth of <i>Arabidopsis</i> Root Hairs as Ca ²⁺ -Permeable Channels. <i>Plant Communications</i> , 2020, 1, 100001.	3.6	34
11914	<i>Arabidopsis</i> cyclic nucleotide-gated channel 6 is negatively modulated by multiple calmodulin isoforms during heat shock. <i>Journal of Experimental Botany</i> , 2020, 71, 90-104.	2.4	15
11915	Conservation and divergence of ancestral AGAMOUS/SEEDSTICK subfamily genes from the basal angiosperm <i>Magnolia wufengensis</i> . <i>Tree Physiology</i> , 2020, 40, 90-107.	1.4	7
11916	<i>Arabidopsis</i> CPK6 positively regulates ABA signaling and drought tolerance through phosphorylating ABA-responsive element-binding factors. <i>Journal of Experimental Botany</i> , 2020, 71, 188-203.	2.4	59
11917	Methionine synthase 1 provides methionine for activation of the GLR3.5 Ca ²⁺ channel and regulation of germination in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 178-187.	2.4	16
11918	An Apple B-Box Protein MdBBX37 Modulates Anthocyanin Biosynthesis and Hypocotyl Elongation Synergistically with MdMYBs and MdHY5. <i>Plant and Cell Physiology</i> , 2020, 61, 130-143.	1.5	70
11919	Identification and evolutionary analysis of chalcone isomerase-fold proteins in ferns. <i>Journal of Experimental Botany</i> , 2020, 71, 290-304.	2.4	37
11920	<i>Arabidopsis</i> LDIP protein locates at a confined area within the lipid droplet surface and favors lipid droplet formation. <i>Biochimie</i> , 2020, 169, 29-40.	1.3	16
11921	Identification and functional characterization of SOC1-like genes in <i>Pyrus bretschneideri</i> . <i>Genomics</i> , 2020, 112, 1622-1632.	1.3	13
11922	<i>Arabidopsis thaliana</i> SEED DORMANCY 4-LIKE regulates dormancy and germination by mediating the gibberellin pathway. <i>Journal of Experimental Botany</i> , 2020, 71, 919-933.	2.4	26
11923	A Putative Common Bean Chalcone O-Methyltransferase Improves Salt Tolerance in Transgenic <i>Arabidopsis thaliana</i> . <i>Journal of Plant Growth Regulation</i> , 2020, 39, 957-969.	2.8	4
11924	Molecular cloning and functional characterization of a sweetpotato chloroplast <i>lbdHAR3</i> gene in response to abiotic stress. <i>Plant Biotechnology Reports</i> , 2020, 14, 9-19.	0.9	7
11925	Overexpression of soybean <i>GmPLD1</i> enhances seed oil content and modulates fatty acid composition in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2020, 290, 110298.	1.7	14

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11926	Arabidopsis FLYING SAUCER 2 Functions Redundantly with FLY1 to Establish Normal Seed Coat Mucilage. <i>Plant and Cell Physiology</i> , 2020, 61, 308-317.	1.5	9
11927	The application of the Gene-deletor™ technology in banana. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 105-114.	1.2	3
11928	Histone deacetylase gene PtHDT902 modifies adventitious root formation and negatively regulates salt stress tolerance in poplar. <i>Plant Science</i> , 2020, 290, 110301.	1.7	20
11929	Natural variation and selection in <i>GmSWEET39</i> affect soybean seed oil content. <i>New Phytologist</i> , 2020, 225, 1651-1666.	3.5	73
11930	miR156-targeted SPL10 controls Arabidopsis root meristem activity and root-derived de novo shoot regeneration via cytokinin responses. <i>Journal of Experimental Botany</i> , 2020, 71, 934-950.	2.4	47
11931	Cytochrome P450 family member CYP96B5 hydroxylates alkanes to primary alcohols and is involved in rice leaf cuticular wax synthesis. <i>New Phytologist</i> , 2020, 225, 2094-2107.	3.5	25
11932	The formation of perinucleolar bodies is important for normal leaf development and requires the zinc-finger DNA-binding motif in Arabidopsis ASYMMETRIC LEAVES2. <i>Plant Journal</i> , 2020, 101, 1118-1134.	2.8	12
11933	Overexpression of <i>Zoysia</i> ZjCIGR1 gene confers cold stress resistance to zoysiagrass. <i>Plant Biotechnology Reports</i> , 2020, 14, 21-31.	0.9	7
11934	Identification of drought response genes by digital gene expression (DGE) analysis in <i>Caragana korshinskii</i> Kom.. <i>Gene</i> , 2020, 725, 144170.	1.0	14
11935	Genome-Wide Identification of Cassava Serine/Arginine-Rich Proteins: Insights into Alternative Splicing of Pre-mRNAs and Response to Abiotic Stress. <i>Plant and Cell Physiology</i> , 2020, 61, 178-191.	1.5	21
11936	Mouse Fat-Specific Protein 27 (FSP27) expressed in plant cells localizes to lipid droplets and promotes lipid droplet accumulation and fusion. <i>Biochimie</i> , 2020, 169, 41-53.	1.3	14
11937	<i>Heterodera schachtii</i> glutathione peroxidase (HsGPx) is a parasitism protein. <i>Journal of Plant Diseases and Protection</i> , 2020, 127, 111-118.	1.6	2
11938	Two young genes reshape a novel interaction network in <i>Brassica napus</i> . <i>New Phytologist</i> , 2020, 225, 530-545.	3.5	8
11939	Fertilization-Coupled Sperm Nuclear Fusion Is Required for Normal Endosperm Nuclear Proliferation. <i>Plant and Cell Physiology</i> , 2020, 61, 29-40.	1.5	17
11940	Fruit-dependent epigenetic regulation of flowering in <i>Citrus</i> . <i>New Phytologist</i> , 2020, 225, 376-384.	3.5	37
11941	The role of miR156 in rejuvenation in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 550-555.	4.1	26
11942	An apple MYB transcription factor regulates cold tolerance and anthocyanin accumulation and undergoes MIEL1-mediated degradation. <i>Plant Biotechnology Journal</i> , 2020, 18, 337-353.	4.1	198
11943	Phosphorylation at Ser28 stabilizes the <i>Arabidopsis</i> nitrate transporter NRT2.1 in response to nitrate limitation. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 865-876.	4.1	22

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11945	AKR2A participates in the regulation of cotton fibre development by modulating biosynthesis of very-long-chain fatty acids. <i>Plant Biotechnology Journal</i> , 2020, 18, 526-539.	4.1	20
11946	Biological functions of <i>Arabidopsis thaliana</i> MBP-like protein encoded by <i>ENO2</i> in the response to drought and salt stresses. <i>Physiologia Plantarum</i> , 2020, 168, 660-674.	2.6	12
11947	<i>Arabidopsis</i> cargo receptor NBR1 mediates selective autophagy of defective proteins. <i>Journal of Experimental Botany</i> , 2020, 71, 73-89.	2.4	69
11948	The role of <i>WRKY47</i> gene in regulating selenium tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology Reports</i> , 2020, 14, 121-129.	0.9	10
11949	Ectopic expression of <i>BoYAB1</i> , a member of <i>YABBY</i> gene family in <i>Bambusa oldhamii</i> , causes leaf curling and late flowering in <i>Arabidopsis thaliana</i> . <i>Journal of Horticultural Science and Biotechnology</i> , 2020, 95, 169-174.	0.9	6
11950	<i>Arabidopsis</i> DXO1 possesses deNADding and exonuclease activities and its mutation affects defense-related and photosynthetic gene expression. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 967-983.	4.1	29
11951	Citrus PH4-Noemi regulatory complex is involved in proanthocyanidin biosynthesis via a positive feedback loop. <i>Journal of Experimental Botany</i> , 2020, 71, 1306-1321.	2.4	23
11952	The poplar R2R3 MYB transcription factor <i>PtrMYB94</i> coordinates with abscisic acid signaling to improve drought tolerance in plants. <i>Tree Physiology</i> , 2020, 40, 46-59.	1.4	35
11953	High-throughput screening for in planta characterization of VOC biosynthetic genes by PTR-ToF-MS. <i>Journal of Plant Research</i> , 2020, 133, 123-131.	1.2	6
11954	Two SLENDER AND CRINKLY LEAF dioxygenases play an essential role in rice shoot development. <i>Journal of Experimental Botany</i> , 2020, 71, 1387-1401.	2.4	13
11955	The <i>Arabidopsis</i> PAD4 Lipase-Like Domain Is Sufficient for Resistance to Green Peach Aphid. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 328-335.	1.4	15
11956	MYB94 and MYB96 additively inhibit callus formation via directly repressing <i>LBD29</i> expression in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2020, 293, 110323.	1.7	24
11957	Polyunsaturated linolenoyl-CoA modulates ERF-mediated hypoxia signaling in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 330-348.	4.1	32
11958	The Class II KNOX genes <i>KNAT3</i> and <i>KNAT7</i> work cooperatively to influence deposition of secondary cell walls that provide mechanical support to <i>Arabidopsis</i> stems. <i>Plant Journal</i> , 2020, 101, 293-309.	2.8	63
11959	Quinlorac resistance in <i>Echinochloa phyllopogon</i> is associated with reduced ethylene synthesis rather than enhanced cyanide detoxification by β -cyanoalanine synthase. <i>Pest Management Science</i> , 2020, 76, 1195-1204.	1.7	16
11960	The dual benefit of a dominant mutation in <i>Arabidopsis</i> <i>IRON DEFICIENCY TOLERANT1</i> for iron biofortification and heavy metal phytoremediation. <i>Plant Biotechnology Journal</i> , 2020, 18, 1200-1210.	4.1	22
11961	<i>Arabidopsis</i> FHY1 and FHY1-LIKE Are Not Required for Phytochrome A Signal Transduction in the Nucleus. <i>Plant Communications</i> , 2020, 1, 100007.	3.6	9

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11962	A multidrug and toxic compound extrusion (MATE) transporter modulates auxin levels in root to regulate root development and promotes aluminium tolerance. <i>Plant, Cell and Environment</i> , 2020, 43, 745-759.	2.8	26
11963	Vascular bundle sheath and mesophyll cells modulate leaf water balance in response to chitin. <i>Plant Journal</i> , 2020, 101, 1368-1377.	2.8	18
11964	Isolation and functional characterization of an Ethylene Response Factor (RHERF092) from rose (<i>Rosa</i>). <i>Plant Cell and Environment</i> , 2020, 43, 1128-1138.	1.2	8
11965	Overexpression of the maize δ^3 -tocopherol methyltransferase gene (ZmTMT) increases δ^3 -tocopherol content in transgenic <i>Arabidopsis</i> and maize seeds. <i>Transgenic Research</i> , 2020, 29, 95-104.	1.3	9
11966	<i>Arabidopsis</i> ECAP Is a New Adaptor Protein that Connects JAZ Repressors with the TPR2 Co-repressor to Suppress Jasmonate-Responsive Anthocyanin Accumulation. <i>Molecular Plant</i> , 2020, 13, 246-265.	3.9	48
11967	Occurrence of landâ€plantâ€specific glycerolâ€phosphate acyltransferases is essential for cuticle formation and gametophore development in <i>Physcomitrella patens</i> . <i>New Phytologist</i> , 2020, 225, 2468-2483.	3.5	26
11968	Combining GAL4 GFP enhancer trap with split luciferase to measure spatiotemporal promoter activity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 102, 187-198.	2.8	10
11969	An Improved Recombineering Toolset for Plants. <i>Plant Cell</i> , 2020, 32, 100-122.	3.1	23
11970	A basic helixâ€loopâ€helix protein (GhFP1) promotes fibre elongation of cotton (<i>Gossypium</i>). <i>Plant Cell and Environment</i> , 2020, 43, 2439-2452.	3.5	35
11971	A membraneâ€associated NAC domain transcription factor XVP interacts with TDIF coâ€receptor and regulates vascular meristem activity. <i>New Phytologist</i> , 2020, 226, 59-74.	3.5	38
11972	Mutations in the miR396 binding site of the growthâ€regulating factor gene <i>VvGRF4</i> modulate inflorescence architecture in grapevine. <i>Plant Journal</i> , 2020, 101, 1234-1248.	2.8	19
11973	Molecular Cloning and Functional Analysis of Three CONSTANS-Like Genes from Chinese Cymbidium. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1061-1074.	2.8	10
11974	Isolation and characterization of hexokinase genes <i>PsHXX1</i> and <i>PsHXX2</i> from tree peony (<i>Paeonia</i>). <i>Plant Cell and Environment</i> , 2020, 43, 1102-1112.	1.0	2
11975	Vascular Cambium-Localized AtSPDT Mediates Xylem-to-Phloem Transfer of Phosphorus for Its Preferential Distribution in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2020, 13, 99-111.	3.9	33
11976	A role for <i>Arabidopsis</i> growth-regulating factors 1 and 3 in growthâ€stress antagonism. <i>Journal of Experimental Botany</i> , 2020, 71, 1402-1417.	2.4	32
11977	A NACâ€type transcription factor confers aluminium resistance by regulating cell wallâ€associated receptor kinase 1 and cell wall pectin. <i>Plant, Cell and Environment</i> , 2020, 43, 463-478.	2.8	63
11978	<i>Arabidopsis</i> PIC30 encodes a major facilitator superfamily transporter responsible for the uptake of picolinate herbicides. <i>Plant Journal</i> , 2020, 102, 18-33.	2.8	2
11979	<i>Arabidopsis</i> SINAT Proteins Control Autophagy by Mediating Ubiquitylation and Degradation of ATG13. <i>Plant Cell</i> , 2020, 32, 263-284.	3.1	53

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11980	Advanced Cataloging of Lysine-63 Polyubiquitin Networks by Genomic, Interactome, and Sensor-Based Proteomic Analyses. <i>Plant Cell</i> , 2020, 32, 123-138.	3.1	34
11981	AP2/ERF Transcription Factors Integrate Age and Wound Signals for Root Regeneration. <i>Plant Cell</i> , 2020, 32, 226-241.	3.1	100
11982	Geminivirus C4 antagonizes the HIR1-mediated hypersensitive response by inhibiting the HIR1 self-interaction and promoting degradation of the protein. <i>New Phytologist</i> , 2020, 225, 1311-1326.	3.5	40
11983	<i>ULTRAPETALA1</i> maintains <i>Arabidopsis</i> root stem cell niche independently of <i>ARABIDOPSIS TRITHORAX1</i> . <i>New Phytologist</i> , 2020, 225, 1261-1272.	3.5	16
11984	Improvement of alfalfa forage quality and management through the down-regulation of <i>MsFTa1</i> . <i>Plant Biotechnology Journal</i> , 2020, 18, 944-954.	4.1	27
11985	The possible role of <i>BnaA10.SOI.a</i> in seed fatty acid biosynthesis of rapeseed. <i>Plant Breeding</i> , 2020, 139, 167-175.	1.0	0
11986	Homeotic transformation from stamen to petal in <i>Eriobotrya japonica</i> is associated with hormone signal transduction and reduction of the transcriptional activity of <i>EJAG</i> . <i>Physiologia Plantarum</i> , 2020, 168, 893-908.	2.6	16
11987	The ER luminal C-terminus of <i>AtSec62</i> is critical for male fertility and plant growth in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 101, 5-17.	2.8	11
11988	<i>Arabidopsis OTU1</i> , a linkage-specific deubiquitinase, is required for endoplasmic reticulum-associated protein degradation. <i>Plant Journal</i> , 2020, 101, 141-155.	2.8	16
11989	The ERF transcription factor <i>MdERF38</i> promotes drought stress-induced anthocyanin biosynthesis in apple. <i>Plant Journal</i> , 2020, 101, 573-589.	2.8	181
11990	Phospho-mutant activity assays provide evidence for alternative phosphoregulation pathways of the transcription factor <i>FER-LIKE IRON DEFICIENCY-INDUCED TRANSCRIPTION FACTOR</i> . <i>New Phytologist</i> , 2020, 225, 250-267.	3.5	22
11991	A host target of a bacterial cysteine protease virulence effector plays a key role in convergent evolution of plant innate immune system receptors. <i>New Phytologist</i> , 2020, 225, 1327-1342.	3.5	41
11992	Differential phosphorylation of the N-terminal extension regulates phytochrome B signaling. <i>New Phytologist</i> , 2020, 225, 1635-1650.	3.5	24
11993	Lack of <i>FIBRILLIN6</i> in <i>Arabidopsis thaliana</i> affects light acclimation and sulfate metabolism. <i>New Phytologist</i> , 2020, 225, 1715-1731.	3.5	15
11994	Genetic variation and temperature affects hybrid barriers during interspecific hybridization. <i>Plant Journal</i> , 2020, 101, 122-140.	2.8	20
11995	<i>JAZ4</i> is involved in plant defense, growth, and development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 101, 371-383.	2.8	42
11996	<i>MYB81</i> , a microspore-specific <i>GAMYB</i> transcription factor, promotes pollen mitosis I and cell lineage formation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 101, 590-603.	2.8	14
11997	Overexpression of <i>HbMBF1a</i> , encoding multiprotein bridging factor 1 from the halophyte <i>Hordeum brevisubulatum</i> , confers salinity tolerance and ABA insensitivity to transgenic <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2020, 102, 1-17.	2.0	23

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11999	The Arabidopsis APR2 positively regulates cadmium tolerance through glutathione-dependent pathway. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109819.	2.9	15
12000	Subcellular localization of chlorophyllase2 reveals it is not involved in chlorophyll degradation during senescence in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2020, 290, 110314.	1.7	15
12001	The H3 histone chaperone NASP^{SIM3} escorts CenH3 in Arabidopsis. <i>Plant Journal</i> , 2020, 101, 71-86.	2.8	37
12002	Loss of function of Arabidopsis NADPâ€malic enzyme 1 results in enhanced tolerance to aluminum stress. <i>Plant Journal</i> , 2020, 101, 653-665.	2.8	18
12003	Molecular cloning and functional analysis of lotus salt-induced NnDREB2C, NnPIP1-2 and NnPIP2-1 in <i>Arabidopsis thaliana</i> . <i>Molecular Biology Reports</i> , 2020, 47, 497-506.	1.0	6
12004	Cell wall contributes to the stability of plasma membrane nanodomain organization of <i>Arabidopsis thaliana</i> FLOTILLIN2 and HYPERSENSITIVE INDUCED REACTION1 proteins. <i>Plant Journal</i> , 2020, 101, 619-636.	2.8	30
12005	Identification and Characterization of an OSH1 Thiol Reductase from <i>Populus trichocarpa</i> . <i>Cells</i> , 2020, 9, 76.	1.8	8
12006	The Soybean GmNAC019 Transcription Factor Mediates Drought Tolerance in Arabidopsis in an Abscisic Acid-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2020, 21, 286.	1.8	16
12007	Ectopic expression of lISHP2 from <i>Isatis indigotica</i> Fortune, a PLE-lineage MADS-box gene, influences leaf, floral organ and silique morphology in <i>Arabidopsis thaliana</i> . <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 379-389.	1.4	4
12008	Transcriptomic analysis of Glycine soja and <i>G. max</i> seedlings and functional characterization of GsGSTU24 and GsGSTU42 genes under submergence stress. <i>Environmental and Experimental Botany</i> , 2020, 171, 103963.	2.0	7
12009	The mismatch repair protein MSH6 regulates somatic recombination in <i>Arabidopsis thaliana</i> . <i>DNA Repair</i> , 2020, 87, 102789.	1.3	10
12010	YODA-HSP90 Module Regulates Phosphorylation-Dependent Inactivation of SPEECHLESS to Control Stomatal Development under Acute Heat Stress in Arabidopsis. <i>Molecular Plant</i> , 2020, 13, 612-633.	3.9	65
12011	Overexpression of Seagrass Nucleotide Exchange Factor Gene ZjFes1 Enhances Heat Tolerance in Transgenic Arabidopsis. <i>Plant Signaling and Behavior</i> , 2020, 15, 1709719.	1.2	3
12012	Detection of Weak Expression of SOLO DANCERS in the Male Germline Using CYCLIN-DEPENDENT KINASE A1 Coding Sequence. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1236-1244.	2.8	0
12013	14-3-3 proteins contribute to leaf and root development via brassinosteroid insensitive 1 in <i>Arabidopsis thaliana</i> . <i>Genes and Genomics</i> , 2020, 42, 347-354.	0.5	11
12014	TaZnF, a C3HC4 type RING zinc finger protein from <i>Triticum aestivum</i> is involved in dehydration and salinity stress. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2020, 29, 395-406.	0.9	20
12015	Overexpression of Arabidopsis aspartic protease APA1 gene confers drought tolerance. <i>Plant Science</i> , 2020, 292, 110406.	1.7	25

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12016	Distinct non-coding RNAs confer root-dependent sense transgene-induced post-transcriptional gene silencing and nitrogen-dependent post-transcriptional regulation to AtAMT1;1 transcripts in Arabidopsis roots. <i>Plant Journal</i> , 2020, 102, 823-837.	2.8	3
12017	BPC transcription factors and a Polycomb Group protein confine the expression of the ovule identity gene <i>SEEDSTICK</i> in Arabidopsis. <i>Plant Journal</i> , 2020, 102, 582-599.	2.8	34
12018	Enhanced Relative Electron Transport Rate Contributes to Increased Photosynthetic Capacity in Autotetraploid Pak Choi. <i>Plant and Cell Physiology</i> , 2020, 61, 761-774.	1.5	20
12019	Protein phosphatase 2A alleviates cadmium toxicity by modulating ethylene production in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2020, 43, 1008-1022.	2.8	13
12020	The protein turnover of Arabidopsis BPM1 is involved in regulation of flowering time and abiotic stress response. <i>Plant Molecular Biology</i> , 2020, 102, 359-372.	2.0	13
12021	DhLHY, a Circadian Expressed Gene of <i>Doritaenopsis Hybrid</i> , Promotes Floral Transition in Low Temperature, but Postpones Flowering in Overexpressed Transgenic Arabidopsis. <i>Tropical Plant Biology</i> , 2020, 13, 162-171.	1.0	0
12022	Dehydrin ERD14 activates glutathione transferase Phi9 in Arabidopsis thaliana under osmotic stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129506.	1.1	28
12023	Overexpression of a pectin methylesterase gene PtoPME35 from <i>Populus tomentosa</i> influences stomatal function and drought tolerance in Arabidopsis thaliana. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 416-422.	1.0	10
12024	The Arabidopsis Receptor Kinase IRK Is Polarized and Represses Specific Cell Divisions in Roots. <i>Developmental Cell</i> , 2020, 52, 183-195.e4.	3.1	45
12025	Cytoplasmic ribosomal protein L14B is essential for fertilization in Arabidopsis. <i>Plant Science</i> , 2020, 292, 110394.	1.7	13
12026	Identifying Vitamin E Biosynthesis Genes in <i>Elaeis guineensis</i> by Genome-Wide Association Study. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 678-685.	2.4	7
12027	Uncovering the functional residues of <i>Arabidopsis</i> isoprenoid biosynthesis enzyme HDS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 355-361.	3.3	10
12028	Ectopic expression of the sesame MYB transcription factor SiMYB305 promotes root growth and modulates ABA-mediated tolerance to drought and salt stresses in Arabidopsis. <i>AoB PLANTS</i> , 2020, 12, plz081.	1.2	37
12029	The protein kinase complex CBL10-CIPK8-SOS1 functions in Arabidopsis to regulate salt tolerance. <i>Journal of Experimental Botany</i> , 2020, 71, 1801-1814.	2.4	75
12030	SAUR49 Can Positively Regulate Leaf Senescence by Suppressing SSPP in Arabidopsis. <i>Plant and Cell Physiology</i> , 2020, 61, 644-658.	1.5	21
12031	The AtHB1 Transcription Factor Controls the miR164-CUC2 Regulatory Node to Modulate Leaf Development. <i>Plant and Cell Physiology</i> , 2020, 61, 659-670.	1.5	15
12032	TDIF overexpression in poplars retards internodal elongation and enhances leaf venation through interaction with other phytohormones. <i>Tree Physiology</i> , 2020, 40, 60-72.	1.4	1
12033	<i>Arabidopsis</i> EDR1 Protein Kinase Regulates the Association of EDS1 and PAD4 to Inhibit Cell Death. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 693-703.	1.4	17

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12034	PEROXIREDOXIN Q stimulates the activity of the chloroplast 16:1³trans</sup></i> FATTY ACID DESATURASE4. <i>Plant Journal</i> , 2020, 102, 718-729.	2.8	23
12035	Genetic engineering of transitory starch accumulation by knockdown of <i>OsSEX4</i> in rice plants for enhanced bioethanol production. <i>Biotechnology and Bioengineering</i> , 2020, 117, 933-944.	1.7	12
12036	Functional analysis of mTERF5 and mTERF9 contribution to salt tolerance, plastid gene expression and retrograde signalling in <i>Arabidopsis thaliana</i>. <i>Plant Biology</i> , 2020, 22, 459-471.	1.8	9
12037	CBFs Function in Anthocyanin Biosynthesis by Interacting with MYB113 in Eggplant (<i>Solanum</i>) Tj ETQq1 1 0.784314_rgBT /Overlock 10 1.5 50	1.5	50
12038	PHYTOCHROME INTERACTING FACTOR8 Inhibits Phytochrome A-Mediated Far-Red Light Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 186-205.	3.1	69
12039	VvNAC17, a novel stress-responsive grapevine (<i>Vitis vinifera</i> L.) NAC transcription factor, increases sensitivity to abscisic acid and enhances salinity, freezing, and drought tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 146, 98-111.	2.8	127
12040	Regulation of the Poly(A) Status of Mitochondrial mRNA by Poly(A)-Specific Ribonuclease Is Conserved among Land Plants. <i>Plant and Cell Physiology</i> , 2020, 61, 470-480.	1.5	7
12041	The Acetate Pathway Supports Flavonoid and Lipid Biosynthesis in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2020, 182, 857-869.	2.3	35
12042	Positional cloning and characterization of the papaya diminutive mutant reveal a truncating mutation in the CpMMS19 gene. <i>New Phytologist</i> , 2020, 225, 2006-2021.	3.5	0
12043	Ectopic expression of LoSVP, a MADS-domain transcription factor from lily, leads to delayed flowering in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2020, 39, 289-298.	2.8	13
12044	Targeted misexpression of NAC052, acting in H3K4 demethylation, alters leaf morphological and anatomical traits in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 1434-1448.	2.4	4
12045	A novel basic helix-loop-helix transcription factor, ZJICE2 from <i>Zoysia japonica</i> confers abiotic stress tolerance to transgenic plants via activating the DREB/CBF regulon and enhancing ROS scavenging. <i>Plant Molecular Biology</i> , 2020, 102, 447-462.	2.0	19
12046	Accelerated relaxation of photoprotection impairs biomass accumulation in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2020, 6, 9-12.	4.7	63
12047	Raf-like kinases CBC1 and CBC2 negatively regulate stomatal opening by negatively regulating plasma membrane H ⁺ -ATPase phosphorylation in <i>Arabidopsis</i> . <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 88-98.	1.6	16
12048	CRISPR/Cas9 genome editing through<i>in planta</i>transformation. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 153-168.	5.1	20
12049	Reverse genetics-based biochemical studies of the ribosomal exit tunnel constriction region in eukaryotic ribosome stalling: spatial allocation of the regulatory nascent peptide at the constriction. <i>Nucleic Acids Research</i> , 2020, 48, 1985-1999.	6.5	4
12050	Overexpression of a Rice Monosaccharide Transporter Gene (<i>OsMST6</i>) Confers Enhanced Tolerance to Drought and Salinity Stress in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology Reporter</i> , 2020, 38, 151-164.	1.0	20
12051	Silencing of class I small heat shock proteins affects seed-related attributes and thermotolerance in rice seedlings. <i>Planta</i> , 2020, 251, 26.	1.6	18

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12052	POLTERGEIST and POLTERGEIST-LIKE1 are essential for the maintenance of post-embryonic shoot and root apical meristems as revealed by a partial loss-of-function mutant allele of <i>pll1</i> in <i>Arabidopsis</i> . <i>Genes and Genomics</i> , 2020, 42, 107-116.	0.5	9
12053	<i>Arabidopsis</i> protein I-ISOASPARTYL METHYLTRANSFERASE repairs isoaspartyl damage to antioxidant enzymes and increases heat and oxidative stress tolerance. <i>Journal of Biological Chemistry</i> , 2020, 295, 783-799.	1.6	16
12054	Tomato WRKY81 acts as a negative regulator for drought tolerance by modulating guard cell H ₂ O ₂ -mediated stomatal closure. <i>Environmental and Experimental Botany</i> , 2020, 171, 103960.	2.0	91
12055	BES1 Functions as the Co-regulator of D53-like SMXLs to Inhibit BRC1 Expression in Strigolactone-Regulated Shoot Branching in <i>Arabidopsis</i> . <i>Plant Communications</i> , 2020, 1, 100014.	3.6	31
12056	Overexpression of a maize BR transcription factor ZmBZR1 in <i>Arabidopsis</i> enlarges organ and seed size of the transgenic plants. <i>Plant Science</i> , 2020, 292, 110378.	1.7	22
12057	Heterologous expression of the metallothionein PpMT2 gene from <i>Physcomitrella patens</i> confers enhanced tolerance to heavy metal stress on transgenic <i>Arabidopsis</i> plants. <i>Plant Growth Regulation</i> , 2020, 90, 63-72.	1.8	27
12058	Molecular cloning and functional characterization of the CEP RECEPTOR 1 gene MdCEPR1 of Apple (<i>Malus domestica</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 539-550.	1.2	2
12059	GH3 Auxin-Amido Synthetases Alter the Ratio of Indole-3-Acetic Acid and Phenylacetic Acid in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 596-605.	1.5	37
12060	Plant gene editing through de novo induction of meristems. <i>Nature Biotechnology</i> , 2020, 38, 84-89.	9.4	329
12061	Fast-track for engineered plants. <i>Nature Biotechnology</i> , 2020, 38, 32-34.	9.4	1
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12063	RBR-Type E3 Ligases and the Ubiquitin-Conjugating Enzyme UBC26 Regulate Abscisic Acid Receptor Levels and Signaling. <i>Plant Physiology</i> , 2020, 182, 1723-1742.	2.3	33
12064	Multiple Quality Control Mechanisms in the ER and TGN Determine Subcellular Dynamics and Salt-Stress Tolerance Function of KORRIGAN1. <i>Plant Cell</i> , 2020, 32, 470-485.	3.1	21
12065	Effects of enhancing endogenous and exogenous glutathione in roots on cadmium movement in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2020, 290, 110304.	1.7	18
12066	Ectopic expression of an <i>Eriobotrya japonica</i> APETALA3 ortholog rescues the petal and stamen identities in <i>Arabidopsis</i> ap3-3 mutant. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 33-38.	1.0	8
12067	A PXY-Mediated Transcriptional Network Integrates Signaling Mechanisms to Control Vascular Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 319-335.	3.1	103
12068	Switching the Direction of Stem Gravitropism by Altering Two Amino Acids in AtLAZY1. <i>Plant Physiology</i> , 2020, 182, 1039-1051.	2.3	37
12069	Nitrate-inducible NIGT1 proteins modulate phosphate uptake and starvation signalling via transcriptional regulation of <i>SPX</i> genes. <i>Plant Journal</i> , 2020, 102, 448-466.	2.8	68

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12070	A genetically validated approach for detecting inorganic polyphosphates in plants. <i>Plant Journal</i> , 2020, 102, 507-516.	2.8	15
12071	Expression Pattern and Functional Characterization of PISTILLATA Ortholog Associated With the Formation of Petaloid Sepals in Double-Flower <i>Eriobotrya japonica</i> (Rosaceae). <i>Frontiers in Plant Science</i> , 2019, 10, 1685.	1.7	7
12072	A WRKY transcription factor, FtWRKY46, from Tartary buckwheat improves salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 147, 43-53.	2.8	36
12073	An essential role for <i>Arabidopsis</i> Trs33 in cell growth and organization in plant apical meristems. <i>Plant Cell Reports</i> , 2020, 39, 381-391.	2.8	0
12074	A phylogenetically conserved APETALA2/ETHYLENE RESPONSE FACTOR, ERF12, regulates <i>Arabidopsis</i> floral development. <i>Plant Molecular Biology</i> , 2020, 102, 39-54.	2.0	22
12075	Disruption of miRNA sequences by TALENs and CRISPR/Cas9 induces varied lengths of miRNA production. <i>Plant Biotechnology Journal</i> , 2020, 18, 1526-1536.	4.1	35
12076	CLE40 Signaling Regulates Root Stem Cell Fate. <i>Plant Physiology</i> , 2020, 182, 1776-1792.	2.3	67
12077	Technological breakthroughs in generating transgene-free and genetically stable CRISPR-edited plants. <i>ABIOTECH</i> , 2020, 1, 88-96.	1.8	57
12078	Ectopic over-expression of ABA-responsive Chickpea galactinol synthase (CaGolS) gene results in improved tolerance to dehydration stress by modulating ROS scavenging. <i>Environmental and Experimental Botany</i> , 2020, 171, 103957.	2.0	34
12079	Functional characterization of Mitogen-Activated Protein Kinase Kinase (MAPKK) gene in Halophytic <i>Salicornia europaea</i> against salt stress. <i>Environmental and Experimental Botany</i> , 2020, 171, 103934.	2.0	17
12080	Brassinosteroids Antagonize Jasmonate-Activated Plant Defense Responses through BRI1-EMS-SUPPRESSOR1 (BES1). <i>Plant Physiology</i> , 2020, 182, 1066-1082.	2.3	48
12081	Drivers of metabolic diversification: how dynamic genomic neighbourhoods generate new biosynthetic pathways in the Brassicaceae. <i>New Phytologist</i> , 2020, 227, 1109-1123.	3.5	49
12082	The 3-hydroxy-3-methylglutaryl-coenzyme A reductase 5 gene from <i>Malus domestica</i> enhances oxidative stress tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 146, 269-277.	2.8	19
12083	The DEAD-box RNA helicase SHI2 functions in repression of salt-inducible genes and regulation of cold-inducible gene splicing. <i>Journal of Experimental Botany</i> , 2020, 71, 1598-1613.	2.4	17
12084	Diversity of genetic lesions characterizes new <i>Arabidopsis</i> flavonoid pigment mutant alleles from T-DNA collections. <i>Plant Science</i> , 2020, 291, 110335.	1.7	10
12085	NatB-Mediated N-Terminal Acetylation Affects Growth and Biotic Stress Responses. <i>Plant Physiology</i> , 2020, 182, 792-806.	2.3	44
12086	Developmental, hormone- and stress-modulated expression profiles of four members of the <i>Arabidopsis</i> copper-amine oxidase gene family. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 141-160.	2.8	22
12087	Overexpression of BUNDLE SHEATH DEFECTIVE 2 improves the efficiency of photosynthesis and growth in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 102, 129-137.	2.8	13

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12088	Cold-inducible expression of an Arabidopsis thaliana AP2 transcription factor gene, AtCRAP2, promotes flowering under unsuitable low-temperatures in chrysanthemum. <i>Plant Physiology and Biochemistry</i> , 2020, 146, 220-230.	2.8	10
12089	Deletion of the N-terminal domain of the yeast vacuolar (Na ⁺ ,K ⁺)/H ⁺ antiporter Vnx1p improves salt tolerance in yeast and transgenic Arabidopsis. <i>Yeast</i> , 2020, 37, 173-185.	0.8	6
12090	ATBS1-INTERACTING FACTOR 2 negatively regulates dark- and brassinosteroid-induced leaf senescence through interactions with INDUCER OF CBF EXPRESSION 1. <i>Journal of Experimental Botany</i> , 2020, 71, 1475-1490.	2.4	22
12091	Silencing arginine kinase / integrin β 1 subunit by transgenic plant expressing dsRNA inhibits the development and survival of <i>Plutella xylostella</i> . <i>Pest Management Science</i> , 2020, 76, 1761-1771.	1.7	19
12092	Extensive Inter-plant Protein Transfer between <i>Cuscuta</i> Parasites and Their Host Plants. <i>Molecular Plant</i> , 2020, 13, 573-585.	3.9	59
12093	Disruption of Arabidopsis neutral ceramidases 1 and 2 results in specific sphingolipid imbalances triggering different phytohormone-dependent plant cell death programmes. <i>New Phytologist</i> , 2020, 226, 170-188.	3.5	33
12094	The novel protein CSAP accelerates leaf senescence and is negatively regulated by SAUL1 in the dark. <i>Plant Cell Reports</i> , 2020, 39, 325-334.	2.8	9
12095	Advances in molecular biology of <i>Paeonia</i> L.. <i>Planta</i> , 2020, 251, 23.	1.6	15
12096	Functional identification of apple MdMYB2 gene in phosphate-starvation response. <i>Journal of Plant Physiology</i> , 2020, 244, 153089.	1.6	15
12097	Ureide Permease 5 (AtUPS5) Connects Cell Compartments Involved in Ureide Metabolism. <i>Plant Physiology</i> , 2020, 182, 1310-1325.	2.3	11
12098	Structural and functional relationships between plasmodesmata and plant endoplasmic reticulum-plasma membrane contact sites consisting of three synaptotagmins. <i>New Phytologist</i> , 2020, 226, 798-808.	3.5	40
12099	Mutation in <i>OsCADT1</i> enhances cadmium tolerance and enriches selenium in rice grain. <i>New Phytologist</i> , 2020, 226, 838-850.	3.5	45
12100	CmBBX8 accelerates flowering by targeting <i>CmFTL1</i> directly in summer chrysanthemum. <i>Plant Biotechnology Journal</i> , 2020, 18, 1562-1572.	4.1	49
12101	PP7L is essential for MAIL1-mediated transposable element silencing and primary root growth. <i>Plant Journal</i> , 2020, 102, 703-717.	2.8	9
12102	SWI3B and HDA6 interact and are required for transposon silencing in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 102, 809-822.	2.8	30
12103	A TRANSPARENT TESTA Transcriptional Module Regulates Endothelium Polarity. <i>Frontiers in Plant Science</i> , 2019, 10, 1801.	1.7	4
12104	The Maize Class-I SUMO Conjugating Enzyme ZmSCE1d Is Involved in Drought Stress Response. <i>International Journal of Molecular Sciences</i> , 2020, 21, 29.	1.8	8
12105	AtKATANIN1 Modulates Microtubule Depolymerization and Reorganization in Response to Salt Stress in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 138.	1.8	9

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12107	Polar recruitment of RLD by LAZY1-like protein during gravity signaling in root branch angle control. <i>Nature Communications</i> , 2020, 11, 76.	5.8	80
12108	Ectopic Expression of a Cell-Wall-Degrading Enzyme-Induced <i>OsAP2/ERF152</i> Leads to Resistance against Bacterial and Fungal Infection in <i>Arabidopsis</i> . <i>Phytopathology</i> , 2020, 110, 726-733.	1.1	9
12109	Generating and characterizing single- and multigene mutants of the Rubisco small subunit family in Arabidopsis. <i>Journal of Experimental Botany</i> , 2020, 71, 5963-5975.	2.4	16
12110	Sec-Delivered Effector 1 (SDE1) of <i>Candidatus</i> <i>Liberibacter asiaticus</i> ™ Promotes Citrus Huanglongbing. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1394-1404.	1.4	27
12111	Molecular Basis for Chemical Evolution of Flavones to Flavonols and Anthocyanins in Land Plants. <i>Plant Physiology</i> , 2020, 184, 1731-1743.	2.3	40
12112	A CRISPR/dCas9 toolkit for functional analysis of maize genes. <i>Plant Methods</i> , 2020, 16, 133.	1.9	21
12113	FMO1 Is Involved in Excess Light Stress-Induced Signal Transduction and Cell Death Signaling. <i>Cells</i> , 2020, 9, 2163.	1.8	19
12114	The Effect of Light Intensity on the Expression of Leucoanthocyanidin Reductase in Grapevine Calluses and Analysis of Its Promoter Activity. <i>Genes</i> , 2020, 11, 1156.	1.0	4
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12116	Versatile in vitro assay to recognize Cas9-induced mutations. <i>Plant Direct</i> , 2020, 4, e00269.	0.8	14
12117	Molecular characterization of a RING E3 ligase <i>SbHCl1</i> in sorghum under heat and abscisic acid stress. <i>Planta</i> , 2020, 252, 89.	1.6	8
12118	Analysis of the Promoter of <i>Emb5</i> from <i>Zea mays</i> Identifies a Region of 523Âbp Responsible for Its Embryo-Specific Activity. <i>Plant Molecular Biology Reporter</i> , 2020, 39, 288.	1.0	2
12119	Cloning and functional characterization of two cinnamate 4-hydroxylase genes from <i>Pyrus bretschneideri</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 156, 135-145.	2.8	19
12120	Organelle movement and apical accumulation of secretory vesicles in pollen tubes of <i>Arabidopsis thaliana</i> depend on class XI myosins. <i>Plant Journal</i> , 2020, 104, 1685-1697.	2.8	14
12121	Plant E3 ligases <i>SNIPER</i> 1 and <i>SNIPER</i> 2 broadly regulate the homeostasis of sensor <i>NLR</i> immune receptors. <i>EMBO Journal</i> , 2020, 39, e104915.	3.5	38
12122	Improving Transgenesis Efficiency and CRISPR-Associated Tools Through Codon Optimization and Native Intron Addition in <i>Pristionchus</i> Nematodes. <i>Genetics</i> , 2020, 216, 947-956.	1.2	29
12123	Differential Quantitative Requirements for NPR1 Between Basal Immunity and Systemic Acquired Resistance in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 570422.	1.7	13

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12125	Overexpression of CpSIZ1, a SIZ/PIAS-Type SUMO E3 Ligase from Wintersweet (<i>Chimonanthus praecox</i>), Delays Flowering, Accelerates Leaf Senescence and Enhances Cold Tolerance in <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2021, 39, 301-316.	1.0	8
12126	Formation of NPR1 Condensates Promotes Cell Survival during the Plant Immune Response. <i>Cell</i> , 2020, 182, 1093-1108.e18.	13.5	183
12127	A Defense Pathway Linking Plasma Membrane and Chloroplasts and Co-opted by Pathogens. <i>Cell</i> , 2020, 182, 1109-1124.e25.	13.5	129
12128	Uclacyanin Proteins Are Required for Lignified Nanodomain Formation within Casparian Strips. <i>Current Biology</i> , 2020, 30, 4103-4111.e6.	1.8	38
12129	Over-expression of rice R1-type MYB transcription factor confers different abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111361.	2.9	18
12130	A Plant Lectin Receptor-like Kinase Phosphorylates the Bacterial Effector AvrPtoB to Dampen Its Virulence in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2020, 13, 1499-1512.	3.9	20
12131	MaWRKY80 positively regulates plant drought stress resistance through modulation of abscisic acid and redox metabolism. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 155-166.	2.8	21
12132	Longin R-SNARE is retrieved from the plasma membrane by ANTH domain-containing proteins in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25150-25158.	3.3	18
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12135	GbMYBR1 from <i>Ginkgo biloba</i> represses phenylpropanoid biosynthesis and trichome development in <i>Arabidopsis</i> . <i>Planta</i> , 2020, 252, 68.	1.6	22
12136	A comprehensive fluorescent sensor for spatiotemporal cell cycle analysis in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2020, 6, 1330-1334.	4.7	60
12137	Two Alternative Splicing Variants of AtERF73/HRE1, HRE1 ^{1±} and HRE1 ^{1²} , Have Differential Transactivation Activities in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6984.	1.8	7
12138	<i>Arabidopsis</i> RING-type E3 ubiquitin ligase XBAT35.2 promotes proteasome-dependent degradation of ACD11 to attenuate abiotic stress tolerance. <i>Plant Journal</i> , 2020, 104, 1712-1723.	2.8	23
12139	The H3K27me3 Demethylase RELATIVE OF EARLY FLOWERING6 Suppresses Seed Dormancy by Inducing Abscisic Acid Catabolism. <i>Plant Physiology</i> , 2020, 184, 1969-1978.	2.3	33
12140	Comprehensive Genome-Wide Analysis of Thaumatin-Like Gene Family in Four Cotton Species and Functional Identification of GhTLP19 Involved in Regulating Tolerance to <i>Verticillium dahlia</i> and Drought. <i>Frontiers in Plant Science</i> , 2020, 11, 575015.	1.7	20
12141	CBL3 and CIPK18 are required for the function of NHX5 and NHX6 in mediating Li ⁺ homeostasis in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2020, 255, 153295.	1.6	3

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12143	SAUR17 and SAUR50 Differentially Regulate PP2C-D1 during Apical Hook Development and Cotyledon Opening in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 3792-3811.	3.1	46
12144	The Arabidopsis CRUMPLED LEAF protein, a homolog of the cyanobacterial bilin lyase, retains the bilin-binding pocket for a yet unknown function. <i>Plant Journal</i> , 2020, 104, 964-978.	2.8	3
12145	Live Imaging of Phosphate Levels in Arabidopsis Root Cells Expressing a FRET-Based Phosphate Sensor. <i>Plants</i> , 2020, 9, 1310.	1.6	3
12146	An evolutionarily distinct chaperone promotes 20S proteasome $\hat{\pm}$ -ring assembly in plants. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	2
12147	GhMATE1 expression regulates Aluminum tolerance of cotton and overexpression of GhMATE1 enhances acid soil tolerance of Arabidopsis. <i>Current Plant Biology</i> , 2020, 24, 100160.	2.3	11
12148	A Plasma Membrane Nanodomain Ensures Signal Specificity during Osmotic Signaling in Plants. <i>Current Biology</i> , 2020, 30, 4654-4664.e4.	1.8	40
12149	Ectopic expression of wheat aquaglyceroporin TaNIP2;1 alters arsenic accumulation and tolerance in Arabidopsis thaliana. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111131.	2.9	7
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12154	TERMINAL FLOWER 1-FD complex target genes and competition with FLOWERING LOCUS T. <i>Nature Communications</i> , 2020, 11, 5118.	5.8	100
12155	A fluorescence-based high-throughput screening method for cytokinin translocation mutants. <i>Plant Methods</i> , 2020, 16, 134.	1.9	1
12156	An efficient Agrobacterium-mediated transformation method using hypocotyl as explants for Brassica napus. <i>Molecular Breeding</i> , 2020, 40, 1.	1.0	43
12157	A protein repairing enzyme, PROTEIN L-ISOASPARTYL METHYLTRANSFERASE is involved in salinity stress tolerance by increasing efficiency of ROS-scavenging enzymes. <i>Environmental and Experimental Botany</i> , 2020, 180, 104266.	2.0	11
12158	Functional analysis of a wheat group 3 late embryogenesis abundant protein (TdLEA3) in Arabidopsis thaliana under abiotic and biotic stresses. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 396-406.	2.8	9
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12161	Genome-Wide Identification of CsATGs in Tea Plant and the Involvement of CsATG8e in Nitrogen Utilization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7043.	1.8	9
12162	Overexpression of <i>Arabidopsis</i> microRNA167 induces salicylic acid-dependent defense against <i>Pseudomonas syringae</i> through the regulation of its targets ARF6 and ARF8. <i>Plant Direct</i> , 2020, 4, e00270.	0.8	22
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12164	Overexpression of Maize ZmHDZIV14 Increases Abscisic Acid Sensitivity and Mediates Drought and Salt Stress in <i>Arabidopsis</i> and Tobacco. <i>Plant Molecular Biology Reporter</i> , 2021, 39, 275-287.	1.0	4
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12166	Tobacco NtabSPL6-2 can enhance local and systemic resistances of <i>Arabidopsis thaliana</i> to bacterial and fungal pathogens. <i>Journal of Plant Physiology</i> , 2020, 253, 153263.	1.6	0
12167	Identification and characterization of <i>Arabidopsis thaliana</i> mitochondrial F1FO-ATPase inhibitor factor 1. <i>Journal of Plant Physiology</i> , 2020, 254, 153264.	1.6	8
12168	The BTB-TAZ protein MdbT2 negatively regulates the drought stress response by interacting with the transcription factor MdNAC143 in apple. <i>Plant Science</i> , 2020, 301, 110689.	1.7	10
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12170	Characterization of an APETALA1 and a FRUITFUL-like homolog in chrysanthemum. <i>Scientia Horticulturae</i> , 2020, 272, 109518.	1.7	6
12171	The Cyclin CYCA3;4 Is a Postprophase Target of the APC/C ^{CCS52A2} E3-Ligase Controlling Formative Cell Divisions in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 2979-2996.	3.1	22
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12173	Structural Requirements of the Phytoplasma Effector Protein SAP54 for Causing Homeotic Transformation of Floral Organs. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1129-1141.	1.4	9
12174	Photoexcited Cryptochrome2 Interacts Directly with TOE1 and TOE2 in Flowering Regulation. <i>Plant Physiology</i> , 2020, 184, 487-505.	2.3	36
12175	The brassinosteroid-responsive xyloglucan endotransglucosylase/hydrolase 19 (<i>XTH19</i>) and <i>XTH23</i> genes are involved in lateral root development under salt stress in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 104, 59-75.	2.8	71
12176	Gateway-compatible vectors for functional analysis of proteins in cell type specific manner. <i>Plant Methods</i> , 2020, 16, 93.	1.9	3
12177	Identification and Functional Characterization of PtoMYB055 Involved in the Regulation of the Lignin Biosynthesis Pathway in <i>Populus tomentosa</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 4857.	1.8	8

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12179	LsGRP1, a class II glycine-rich protein of <i>Lilium</i> , confers plant resistance via mediating innate immune activation and inducing fungal programmed cell death. <i>Molecular Plant Pathology</i> , 2020, 21, 1149-1166.	2.0	8
12180	FHY3 and FAR1 Integrate Light Signals with the miR156-SPL Module-Mediated Aging Pathway to Regulate Arabidopsis Flowering. <i>Molecular Plant</i> , 2020, 13, 483-498.	3.9	71
12181	Genome-Wide Identification and Expression Profile Analysis of the Phospholipase C Gene Family in Wheat (<i>Triticum aestivum</i> L.). <i>Plants</i> , 2020, 9, 885.	1.6	15
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12183	WRKY55 transcription factor positively regulates leaf senescence and defense response through modulating the transcription of genes implicated in ROS and SA biosynthesis in Arabidopsis. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	46
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12187	The Response of COL and FT Homologues to Photoperiodic Regulation in Carrot (<i>Daucus carota</i> L.). <i>Scientific Reports</i> , 2020, 10, 9984.	1.6	7
12188	AIW1 and AIW2, two ABA-induced WD40 repeat-containing transcription repressors function redundantly to regulate ABA and salt responses in Arabidopsis. <i>Journal of Plant Interactions</i> , 2020, 15, 196-206.	1.0	8
12189	BBX28/BBX29, HY5 and BBX30/31 form a feedback loop to fine-tune photomorphogenic development. <i>Plant Journal</i> , 2020, 104, 377-390.	2.8	46
12190	A Maize ZmAT6 Gene Confers Aluminum Tolerance via Reactive Oxygen Species Scavenging. <i>Frontiers in Plant Science</i> , 2020, 11, 1016.	1.7	30
12191	Pepper Novel Serine-Threonine Kinase CaDIK1 Regulates Drought Tolerance via Modulating ABA Sensitivity. <i>Frontiers in Plant Science</i> , 2020, 11, 1133.	1.7	14
12192	An AP2/ERF Gene, HuERF1, from Pitaya (<i>Hylocereus undatus</i>) Positively Regulates Salt Tolerance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4586.	1.8	17
12193	The <i>Liriodendron chinense</i> MKK2 Gene Enhances Arabidopsis thaliana Salt Resistance. <i>Forests</i> , 2020, 11, 1160.	0.9	5
12194	Low Mannitol Concentrations in Arabidopsis thaliana Expressing Ectocarpus Genes Improve Salt Tolerance. <i>Plants</i> , 2020, 9, 1508.	1.6	10
12195	Evidences for a role of two Y-specific genes in sex determination in <i>Populus deltoides</i> . <i>Nature Communications</i> , 2020, 11, 5893.	5.8	68

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12197	A Functional Kinase Is Necessary for Cyclin-Dependent Kinase G1 (CDKG1) to Maintain Fertility at High Ambient Temperature in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 586870.	1.7	6
12198	Post-Synthetic Reduction of Pectin Methylesterification Causes Morphological Abnormalities and Alterations to Stress Response in Arabidopsis thaliana. <i>Plants</i> , 2020, 9, 1558.	1.6	10
12199	The <i>Arabidopsis</i> NRT1/PTR FAMILY protein NPF7.3/NRT1.5 is an indole-3-butyric acid transporter involved in root gravitropism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31500-31509.	3.3	32
12200	The Turnera Style S-Locus Gene TsBAHD Possesses Brassinosteroid-Inactivating Activity When Expressed in Arabidopsis thaliana. <i>Plants</i> , 2020, 9, 1566.	1.6	15
12201	A bipartite transcription factor module controlling expression in the bundle sheath of Arabidopsis thaliana. <i>Nature Plants</i> , 2020, 6, 1468-1479.	4.7	20
12202	The LRR-RLK Protein HSL3 Regulates Stomatal Closure and the Drought Stress Response by Modulating Hydrogen Peroxide Homeostasis. <i>Frontiers in Plant Science</i> , 2020, 11, 548034.	1.7	30
12203	Putative E3 ligases as candidates controlling BRASSINOSTEROID INSENSITIVE 2 (BIN2) kinase in Arabidopsis. <i>Plant Biotechnology Reports</i> , 2020, 14, 703-712.	0.9	6
12204	Functional analysis of rubber tree receptor-like cytoplasmic kinase HbBIK1 in plant root development and immune response. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	0.6	1
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12206	WUSCHEL-related homeobox1 (WOX1) regulates vein patterning and leaf size in Cucumis sativus. <i>Horticulture Research</i> , 2020, 7, 182.	2.9	22
12207	High-order mutants reveal an essential requirement for peroxidases but not laccases in Casparian strip lignification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29166-29177.	3.3	57
12208	Disruption of Very-Long-Chain-Fatty Acid Synthesis Has an Impact on the Dynamics of Cellulose Synthase in Arabidopsis thaliana. <i>Plants</i> , 2020, 9, 1599.	1.6	3
12209	Expression and Function Studies of CYC/TB1-Like Genes in the Asymmetric Flower <i>Canna</i> (Cannaceae). <i>Trends in Plant Science</i> , 2020, 15, 10784314.	1.7	2
12210	Agrobacterium strains and strain improvement: Present and outlook. <i>Biotechnology Advances</i> , 2021, 53, 107677.	6.0	29
12211	Ribosomal Protein RPL10A Contributes to Early Plant Development and Abscisic Acid-Dependent Responses in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 582353.	1.7	9
12212	Comparative Transcriptomics Analysis and Functional Study Reveal Important Role of High-Temperature Stress Response Gene GmHSA2 During Flower Bud Development of CMS-Based F1 in Soybean. <i>Frontiers in Plant Science</i> , 2020, 11, 600217.	1.7	20
12213	MfbHLH38, a <i>Myrothamnus flabellifolia</i> bHLH transcription factor, confers tolerance to drought and salinity stresses in Arabidopsis. <i>BMC Plant Biology</i> , 2020, 20, 542.	1.6	47

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12215	Peroxisomes form intraluminal vesicles with roles in fatty acid catabolism and protein compartmentalization in Arabidopsis. <i>Nature Communications</i> , 2020, 11, 6221.	5.8	22
12216	HCAR Is a Limitation Factor for Chlorophyll Cycle and Chlorophyll b Degradation in Chlorophyll-b-Overproducing Plants. <i>Biomolecules</i> , 2020, 10, 1639.	1.8	15
12217	Overexpression of an Antisense RNA of Maize Receptor-Like Kinase Gene ZmRLK7 Enlarges the Organ and Seed Size of Transgenic Arabidopsis Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 579120.	1.7	8
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12220	The Arabidopsis L-Type Amino Acid Transporter 5 (LAT5/PUT5) Is Expressed in the Phloem and Alters Seed Nitrogen Content When Knocked Out. <i>Plants</i> , 2020, 9, 1519.	1.6	4
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12223	An NAC transcription factor gene from <i>Malus baccata</i> , MbNAC29, increases cold and high salinity tolerance in Arabidopsis. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020, 56, 588-599.	0.9	22
12224	A robust genome-editing method for wild plant species <i>Nicotiana attenuata</i> . <i>Plant Biotechnology Reports</i> , 2020, 14, 585-598.	0.9	8
12225	Auxin-induced signaling protein nanoclustering contributes to cell polarity formation. <i>Nature Communications</i> , 2020, 11, 3914.	5.8	58
12226	The OXA2a Insertase of Arabidopsis Is Required for Cytochrome <i>c</i> Maturation. <i>Plant Physiology</i> , 2020, 184, 1042-1055.	2.3	4
12227	Cell-cell adhesion in plant grafting is facilitated by β -1,4-glucanases. <i>Science</i> , 2020, 369, 698-702.	6.0	108
12228	Expanding the Toolkit of Fluorescent Biosensors for Studying Mitogen Activated Protein Kinases in Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5350.	1.8	5
12229	Characterization of the stearoyl-ACP desaturase gene (PoSAD) from woody oil crop <i>Paeonia ostii</i> var. <i>lishizhenii</i> in oleic acid biosynthesis. <i>Phytochemistry</i> , 2020, 178, 112480.	1.4	9
12230	The soybean U-box gene GmPUB6 regulates drought tolerance in Arabidopsis thaliana. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 284-296.	2.8	21
12231	Functional characterization of a chloroplast-localized Mn ²⁺ (Ca ²⁺)/H ⁺ antiporter, ZmmCCHA1 from <i>Zea mays</i> ssp. <i>mexicana</i> L. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 396-405.	2.8	4

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12233	The nuclear envelope protein KAKU4 determines the migration order of the vegetative nucleus and sperm cells in pollen tubes. <i>Journal of Experimental Botany</i> , 2020, 71, 6273-6281.	2.4	20
12234	Calcium Binding by Arabinogalactan Polysaccharides Is Important for Normal Plant Development. <i>Plant Cell</i> , 2020, 32, 3346-3369.	3.1	65
12235	The casein kinase 2 β subunit CK2B1 is required for swollen stem formation via cell cycle control in vegetable <i>Brassica juncea</i> . <i>Plant Journal</i> , 2020, 104, 706-717.	2.8	16
12236	Two chloroplast thioredoxin systems differentially modulate photosynthesis in <i>Arabidopsis</i> depending on light intensity and leaf age. <i>Plant Journal</i> , 2020, 104, 718-734.	2.8	19
12237	AcoMYB4, an <i>Ananas comosus</i> L. MYB Transcription Factor, Functions in Osmotic Stress through Negative Regulation of ABA Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5727.	1.8	27
12238	Identification of Players Controlling Meristem Arrest Downstream of the FRUITFULL-APETALA2 Pathway. <i>Plant Physiology</i> , 2020, 184, 945-959.	2.3	16
12239	Molecular Characterization, Expression Pattern and Function Analysis of Glycine-Rich Protein Genes Under Stresses in Chinese Cabbage (<i>Brassica rapa</i> L. ssp. <i>pekinensis</i>). <i>Frontiers in Genetics</i> , 2020, 11, 774.	1.1	5
12240	Phosphorylation of plasma membrane aquaporin PIP2;1 in C-terminal affects light-induced stomatal opening in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2020, 15, 1795394.	1.2	6
12241	Phase separation of <i>Arabidopsis</i> EMB1579 controls transcription, mRNA splicing, and development. <i>PLoS Biology</i> , 2020, 18, e3000782.	2.6	32
12242	Targeted suppression of soybean BAG6-induced cell death in yeast by soybean cyst nematode effectors. <i>Molecular Plant Pathology</i> , 2020, 21, 1227-1239.	2.0	9
12243	Single-cell RNA-seq analysis reveals ploidy-dependent and cell-specific transcriptome changes in <i>Arabidopsis</i> female gametophytes. <i>Genome Biology</i> , 2020, 21, 178.	3.8	63
12244	Three Novel C-Repeat Binding Factor Genes of <i>Dimocarpus longan</i> Regulate Cold Stress Response in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1026.	1.7	11
12245	Danger-Associated Peptide Regulates Root Immune Responses and Root Growth by Affecting ROS Formation in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 4590.	1.8	24
12246	SIZ1-Mediated SUMO Modification of SEUSS Regulates Photomorphogenesis in <i>Arabidopsis</i> . <i>Plant Communications</i> , 2020, 1, 100080.	3.6	14
12247	Living on the edge: the role of Atgolgin84A at the plant ER-Golgi interface. <i>Journal of Microscopy</i> , 2020, 280, 158-173.	0.8	9
12248	PUB11-Dependent Ubiquitination of the Phospholipid Flippase ALA10 Modifies ALA10 Localization and Affects the Pool of Linolenic Phosphatidylcholine. <i>Frontiers in Plant Science</i> , 2020, 11, 1070.	1.7	6
12249	MYB repressors and MBW activation complex collaborate to fine-tune flower coloration in <i>Freesia hybrida</i> . <i>Communications Biology</i> , 2020, 3, 396.	2.0	43

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12251	Genome-Wide Identification of Apple Ubiquitin SINA E3 Ligase and Functional Characterization of MdSINA2. <i>Frontiers in Plant Science</i> , 2020, 11, 1109.	1.7	21
12252	COLD-REGULATED GENE27 Integrates Signals from Light and the Circadian Clock to Promote Hypocotyl Growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 3155-3169.	3.1	32
12253	Characterization of ancestral myosin XI from <i>Marchantia polymorpha</i> by heterologous expression in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 104, 460-473.	2.8	4
12254	Early Endosomal Trafficking Component BEN2/VPS45 Plays a Crucial Role in Internal Tissues in Regulating Root Growth and Meristem Size in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1027.	1.7	2
12255	A Bacterial Effector Protein Hijacks Plant Metabolism to Support Pathogen Nutrition. <i>Cell Host and Microbe</i> , 2020, 28, 548-557.e7.	5.1	67
12256	A protein-independent fluorescent RNA aptamer reporter system for plant genetic engineering. <i>Nature Communications</i> , 2020, 11, 3847.	5.8	22
12257	OXR2 Increases Plant Defense against a Hemibiotrophic Pathogen via the Salicylic Acid Pathway. <i>Plant Physiology</i> , 2020, 184, 1112-1127.	2.3	18
12258	Conferring root-knot nematode resistance via host-delivered RNAi-mediated silencing of four Mi-msp genes in <i>Arabidopsis</i> . <i>Plant Science</i> , 2020, 298, 110592.	1.7	24
12259	Isolation and functional characterization of three MiFTs genes from mango. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 169-176.	2.8	21
12260	Arginine-Rich Small Proteins with a Domain of Unknown Function, DUF1127, Play a Role in Phosphate and Carbon Metabolism of <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	14
12261	Chromatin Accessibility Dynamics and a Hierarchical Transcriptional Regulatory Network Structure for Plant Somatic Embryogenesis. <i>Developmental Cell</i> , 2020, 54, 742-757.e8.	3.1	88
12262	The sunflower TLDC-containing protein HaOXR2 confers tolerance to oxidative stress and waterlogging when expressed in maize plants. <i>Plant Science</i> , 2020, 300, 110626.	1.7	8
12263	BRAHMA-interacting proteins BRIP1 and BRIP2 are core subunits of <i>Arabidopsis</i> SWI/SNF complexes. <i>Nature Plants</i> , 2020, 6, 996-1007.	4.7	33
12264	SINAT E3 Ubiquitin Ligases Mediate FREE1 and VPS23A Degradation to Modulate Abscisic Acid Signaling. <i>Plant Cell</i> , 2020, 32, 3290-3310.	3.1	46
12265	AtNBR1 Is a Selective Autophagic Receptor for AtExo70E2 in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2020, 184, 777-791.	2.3	28
12266	Plant-specific Dof transcription factors VASCULAR-RELATED DOF1 and VASCULAR-RELATED DOF2 regulate vascular cell differentiation and lignin biosynthesis in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2020, 104, 263-281.	2.0	14
12267	Natural variation analysis of perennial ryegrass in response to abiotic stress highlights LpHSFC1b as a positive regulator of heat stress. <i>Environmental and Experimental Botany</i> , 2020, 179, 104192.	2.0	17

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12269	Oil-Producing Metabolons Containing DGAT1 Use Separate Substrate Pools from those Containing DGAT2 or PDAT. <i>Plant Physiology</i> , 2020, 184, 720-737.	2.3	35
12270	A wheat R2R3 MYB gene TaMpc1-D4 negatively regulates drought tolerance in transgenic Arabidopsis and wheat. <i>Plant Science</i> , 2020, 299, 110613.	1.7	38
12271	Molecular evidence for the involvement of cotton GhGLP2, in enhanced resistance to Verticillium and Fusarium Wilts and oxidative stress. <i>Scientific Reports</i> , 2020, 10, 12510.	1.6	16
12272	UDP-GlcNAc/UDP-Xyl synthases affect plant development by controlling the content of UDP-GlcNAc to regulate the RGA core borate complex. <i>Plant Journal</i> , 2020, 104, 252-267.	2.8	12
12273	Structural basis of salicylic acid perception by Arabidopsis NPR proteins. <i>Nature</i> , 2020, 586, 311-316.	13.7	93
12274	Constitutive Activation of Leucine-Rich Repeat Receptor Kinase Signaling Pathways by BAK1-INTERACTING RECEPTOR-LIKE KINASE3 Chimera. <i>Plant Cell</i> , 2020, 32, 3311-3323.	3.1	22
12275	Function and application of the <i>Et</i> <i>salsugineum</i> PHT1;1 gene in phosphate deficiency stress. <i>Plant Biology</i> , 2020, 22, 1133-1139.	1.8	3
12276	Ethylene-independent signaling by the ethylene precursor ACC in Arabidopsis ovular pollen tube attraction. <i>Nature Communications</i> , 2020, 11, 4082.	5.8	86
12277	PI4K ³² Interacts with E3 Ligase MIEL1 to Regulate Auxin Metabolism and Root Development. <i>Plant Physiology</i> , 2020, 184, 933-944.	2.3	7
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12279	The Rice Circadian Clock Regulates Tiller Growth and Panicle Development Through Strigolactone Signaling and Sugar Sensing. <i>Plant Cell</i> , 2020, 32, 3124-3138.	3.1	112
12280	Endosidin 2 accelerates PIN2 endocytosis and disturbs intracellular trafficking of PIN2, PIN3, and PIN4 but not of SYT1. <i>PLoS ONE</i> , 2020, 15, e0237448.	1.1	6
12281	Functional analysis of β -ketoacyl-CoA synthase from biofuel feedstock <i>Thlaspi arvense</i> reveals differences in the triacylglycerol biosynthetic pathway among Brassicaceae. <i>Plant Molecular Biology</i> , 2020, 104, 283-296.	2.0	6
12282	Overexpression of the mango MiCO gene delayed flowering time in transgenic Arabidopsis. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 219-228.	1.2	16
12283	MdWRKY30, a group IIa WRKY gene from apple, confers tolerance to salinity and osmotic stresses in transgenic apple callus and Arabidopsis seedlings. <i>Plant Science</i> , 2020, 299, 110611.	1.7	42
12284	Expression of a fungal exo- β -1,3-galactanase in Arabidopsis reveals a role of type II arabinogalactans in the regulation of cell shape. <i>Journal of Experimental Botany</i> , 2020, 71, 5414-5424.	2.4	9
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12286	The <i>Arabidopsis</i> IncRNA <i>ASCO</i> modulates the transcriptome through interaction with splicing factors. <i>EMBO Reports</i> , 2020, 21, e48977.	2.0	57
12287	<i>Arabidopsis</i> GEX1 Is a Nuclear Membrane Protein of Gametes Required for Nuclear Fusion During Reproduction. <i>Frontiers in Plant Science</i> , 2020, 11, 548032.	1.7	9
12288	The <i>Arabidopsis</i> RLCK VI_A2 Kinase Controls Seedling and Plant Growth in Parallel with Gibberellin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7266.	1.8	1
12289	Auxin Homeostasis and Distribution of the Auxin Efflux Carrier PIN2 Require Vacuolar NHX-Type Cation/H ⁺ Antiporter Activity. <i>Plants</i> , 2020, 9, 1311.	1.6	7
12290	Overexpression of the tyrosine decarboxylase gene MdTyDC confers salt tolerance in apple. <i>Environmental and Experimental Botany</i> , 2020, 180, 104244.	2.0	21
12291	Novel ASR isolated from drought stress responsive SSH library in pearl millet confers multiple abiotic stress tolerance in <i>PgASR3</i> transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 156, 7-19.	2.8	8
12292	Targeted gene disruption of <i>ATP synthases 6â€1</i> and <i>6â€2</i> in the mitochondrial genome of <i>Arabidopsis thaliana</i> by mitoTALENs. <i>Plant Journal</i> , 2020, 104, 1459-1471.	2.8	57
12293	ABA-Dependent and ABA-Independent Functions of RCAR5/PYL11 in Response to Cold Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 587620.	1.7	14
12294	Overexpression of CDSP32 (GhTRX134) Cotton Gene Enhances Drought, Salt, and Oxidative Stress Tolerance in <i>Arabidopsis</i> . <i>Plants</i> , 2020, 9, 1388.	1.6	20
12295	Genome-wide study of pineapple (<i>Ananas comosus</i> L.) bHLH transcription factors indicates that cryptochrome-interacting bHLH2 (AcCIB2) participates in flowering time regulation and abiotic stress response. <i>BMC Genomics</i> , 2020, 21, 735.	1.2	24
12296	<i>Arabidopsis</i> paralogous genes RPL23aA and RPL23aB encode functionally equivalent proteins. <i>BMC Plant Biology</i> , 2020, 20, 463.	1.6	4
12297	EXO70A2 Is Critical for Exocyst Complex Function in Pollen Development. <i>Plant Physiology</i> , 2020, 184, 1823-1839.	2.3	20
12298	Phosphatidylglycerol Composition Is Central to Chilling Damage in the <i>Arabidopsis fab1</i> Mutant. <i>Plant Physiology</i> , 2020, 184, 1717-1730.	2.3	7
12299	Plants expressing murine pro-apoptotic protein Bid do not have enhanced PCD. <i>BMC Research Notes</i> , 2020, 13, 450.	0.6	1
12300	Differential Contribution of P5CS Isoforms to Stress Tolerance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 565134.	1.7	63
12301	Nitrite Reductase 1 Is a Target of Nitric Oxide-Mediated Post-Translational Modifications and Controls Nitrogen Flux and Growth in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 7270.	1.8	19
12302	Heterologous expression of chrysanthemum TOPLESS corepressor CmTPL1-1 alters meristem maintenance and organ development in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 157, 256-263.	2.8	2
12303	Impact of Transgenic <i>Arabidopsis thaliana</i> Plants on Herbicide Isoproturon Phytoremediation through Expressing Human Cytochrome P450-1A2. <i>Biology</i> , 2020, 9, 362.	1.3	17

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12305	Stigma Receptivity Is Controlled by Functionally Redundant MAPK Pathway Components in Arabidopsis. <i>Molecular Plant</i> , 2020, 13, 1582-1593.	3.9	22
12306	DoRWA3 from <i>Dendrobium officinale</i> Plays an Essential Role in Acetylation of Polysaccharides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6250.	1.8	10
12307	Using CRISPR/Cas12a for Gene Targeting in <i>A. thaliana</i> . <i>Current Protocols in Plant Biology</i> , 2020, 5, e20117.	2.8	12
12308	Regulation of AtKUP2 Expression by bHLH and WRKY Transcription Factors Helps to Confer Increased Salt Tolerance to Arabidopsis thaliana Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 1311.	1.7	36
12309	Castor LPCAT and PDAT1A Act in Concert to Promote Transacylation of Hydroxy-Fatty Acid onto Triacylglycerol. <i>Plant Physiology</i> , 2020, 184, 709-719.	2.3	11
12310	ABSCISIC ACID-DEFICIENT4 Has an Essential Function in Both cis-Violaxanthin and cis-Neoxanthin Synthesis. <i>Plant Physiology</i> , 2020, 184, 1303-1316.	2.3	31
12311	Mutations in the Pectin Methyltransferase QUASIMODO2 Influence Cellulose Biosynthesis and Wall Integrity in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 3576-3597.	3.1	72
12312	Woodland strawberry WRKY71 acts as a promoter of flowering via a transcriptional regulatory cascade. <i>Horticulture Research</i> , 2020, 7, 137.	2.9	27
12313	Genome-Wide Identification and Characterization of APETALA2/Ethylene-Responsive Element Binding Factor Superfamily Genes in Soybean Seed Development. <i>Frontiers in Plant Science</i> , 2020, 11, 566647.	1.7	27
12314	Changing local recombination patterns in Arabidopsis by CRISPR/Cas mediated chromosome engineering. <i>Nature Communications</i> , 2020, 11, 4418.	5.8	82
12315	Key role of the motor protein Kinesin 13B in the activity of homeodomain-leucine zipper I transcription factors. <i>Journal of Experimental Botany</i> , 2020, 71, 6282-6296.	2.4	4
12316	Structure of Arabidopsis HISTONE DEACETYLASE15. <i>Plant Physiology</i> , 2020, 184, 1585-1600.	2.3	13
12317	Lumi-Map, a Real-Time Luciferase Bioluminescence Screen of Mutants Combined with MutMap, Reveals Arabidopsis Genes Involved in PAMP-Triggered Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1366-1380.	1.4	8
12318	COLD REGULATED 27 and 28 are targets of CONSTITUTIVELY PHOTOMORPHOGENIC 1 and negatively affect phytochrome B signalling. <i>Plant Journal</i> , 2020, 104, 1038-1053.	2.8	12
12319	Heat-response patterns of the heat shock transcription factor family in advanced development stages of wheat (<i>Triticum aestivum</i> L.) and thermotolerance-regulation by TaHsfA2-10. <i>BMC Plant Biology</i> , 2020, 20, 364.	1.6	22
12320	On the nature of thiamine triphosphate in Arabidopsis. <i>Plant Direct</i> , 2020, 4, e00258.	0.8	6
12321	Primary transcript of miR858 encodes regulatory peptide and controls flavonoid biosynthesis and development in Arabidopsis. <i>Nature Plants</i> , 2020, 6, 1262-1274.	4.7	103

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12323	R2R3-MYB transcription factor PpMYB17 positively regulates flavonoid biosynthesis in pear fruit. <i>Planta</i> , 2020, 252, 59.	1.6	46
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12325	The AtMYB2 inhibits the formation of axillary meristem in Arabidopsis by repressing RAX1 gene under environmental stresses. <i>Plant Cell Reports</i> , 2020, 39, 1755-1765.	2.8	14
12326	Selective autophagy regulates heat stress memory in Arabidopsis by NBR1-mediated targeting of HSP90.1 and ROF1. <i>Autophagy</i> , 2021, 17, 2184-2199.	4.3	68
12327	Ancestral function of the phytochelatin synthase C-terminal domain in inhibition of heavy metal-mediated enzyme overactivation. <i>Journal of Experimental Botany</i> , 2020, 71, 6655-6669.	2.4	21
12328	A bacterial effector protein prevents MAPK-mediated phosphorylation of SGT1 to suppress plant immunity. <i>PLoS Pathogens</i> , 2020, 16, e1008933.	2.1	83
12329	The GSK3-like Kinase BIN2 Is a Molecular Switch between the Salt Stress Response and Growth Recovery in Arabidopsis thaliana. <i>Developmental Cell</i> , 2020, 55, 367-380.e6.	3.1	85
12330	Comparative sequence analysis across Brassicaceae, regulatory diversity in KCS5 and KCS6 homologs from Arabidopsis thaliana and Brassica juncea, and intronic fragment as a negative transcriptional regulator. <i>Gene Expression Patterns</i> , 2020, 38, 119146.	0.3	6
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12332	A reporter for noninvasively monitoring gene expression and plant transformation. <i>Horticulture Research</i> , 2020, 7, 152.	2.9	103
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12334	Iron-Sulfur Cluster Protein NITROGEN FIXATION S-LIKE1 and Its Interactor FRATAXIN Function in Plant Immunity. <i>Plant Physiology</i> , 2020, 184, 1532-1548.	2.3	13
12335	Molecular Cloning and Functional Analysis of the NPR1 Homolog in Kiwifruit (<i>Actinidia eriantha</i>). <i>Frontiers in Plant Science</i> , 2020, 11, 551201.	1.7	6
12336	Accelerating gene function discovery by rapid phenotyping of fatty acid composition and oil content of single transgenic <i>Arabidopsis</i> and camelina seeds. <i>Plant Direct</i> , 2020, 4, e00253.	0.8	11
12337	Live-cell RESOLFT nanoscopy of transgenic <i>Arabidopsis thaliana</i> . <i>Plant Direct</i> , 2020, 4, e00261.	0.8	7
12338	Postharvest seed coat darkening in pinto bean (<i>Phaseolus vulgaris</i>) is regulated by <i>Psd1</i> , an allele of the basic helix-loop-helix transcription factor <i>P1</i> . <i>Plants People Planet</i> , 2020, 2, 663-677.	1.6	13
12339	The Arabidopsis KH-domain protein FLOWERING LOCUS Y delays flowering by upregulating FLOWERING LOCUS C family members. <i>Plant Cell Reports</i> , 2020, 39, 1705-1717.	2.8	3

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12341	Role of Protein Phosphatase1 Regulatory Subunit3 in Mediating the Abscisic Acid Response. <i>Plant Physiology</i> , 2020, 184, 1317-1332.	2.3	12
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12347	Strigolactone elevates ethylene biosynthesis in etiolated Arabidopsis seedlings. <i>Plant Signaling and Behavior</i> , 2020, 15, 1805232.	1.2	11
12348	Gibberellin-mediated RGA-LIKE1 degradation regulates embryo sac development in Arabidopsis. <i>Journal of Experimental Botany</i> , 2020, 71, 7059-7072.	2.4	14
12349	Establishment of Proximity-Dependent Biotinylation Approaches in Different Plant Model Systems. <i>Plant Cell</i> , 2020, 32, 3388-3407.	3.1	91
12350	The Ubiquitin-Specific Protease TNI/UBP14 Functions in Ubiquitin Recycling and Affects Auxin Response. <i>Plant Physiology</i> , 2020, 184, 1499-1513.	2.3	8
12351	Ectopic overexpression of a cotton plastidial Na ⁺ transporter GhBASS5 impairs salt tolerance in Arabidopsis via increasing Na ⁺ loading and accumulation. <i>Planta</i> , 2020, 252, 41.	1.6	6
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12353	The Glycine- and Proline-Rich Protein AtGPRP3 Negatively Regulates Plant Growth in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6168.	1.8	5
12354	Expression of Brassica napus GLO1 is sufficient to breakdown artificial self-incompatibility in Arabidopsis thaliana. <i>Plant Reproduction</i> , 2020, 33, 159-171.	1.3	8
12355	Improving nitrogen use efficiency by manipulating nitrate remobilization in plants. <i>Nature Plants</i> , 2020, 6, 1126-1135.	4.7	90
12356	Structures of <i>Arabidopsis thaliana</i> oxygen-sensing plant cysteine oxidases 4 and 5 enable targeted manipulation of their activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23140-23147.	3.3	31
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12359	<i>Arabidopsis</i> O-fucosyltransferase SPINDLY regulates root hair patterning independently of gibberellin signaling. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	13
12360	Plasma-activated water regulates root hairs and cotyledon size dependent on cell elongation in <i>Nicotiana tabacum</i> L.. <i>Plant Biotechnology Reports</i> , 2020, 14, 663-672.	0.9	9
12361	Similar but Not Identical Binding Properties of LSU (Response to Low Sulfur) Proteins From <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1246.	1.7	15
12362	A WRKY transcription factor WRKY184 from <i>Brassica napus</i> L. is involved in flowering and secondary wall development in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2020, 92, 427-440.	1.8	7
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12364	Vascular transcription factors guide plant epidermal responses to limiting phosphate conditions. <i>Science</i> , 2020, 370, .	6.0	173
12365	<i>Arabidopsis</i> ECERIFERUM3 (CER3) Functions to Maintain Hydration for Pollen Stigma Recognition During Fertilization. <i>Journal of Plant Biology</i> , 2020, 63, 347-359.	0.9	6
12366	Overexpression of GmUBC9 Gene Enhances Plant Drought Resistance and Affects Flowering Time via Histone H2B Monoubiquitination. <i>Frontiers in Plant Science</i> , 2020, 11, 555794.	1.7	17
12367	Cell Type-Specific Imaging of Calcium Signaling in <i>Arabidopsis thaliana</i> Seedling Roots Using GCaMP3. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6385.	1.8	13
12368	Characterization of C- and D-Class MADS-Box Genes in Orchids. <i>Plant Physiology</i> , 2020, 184, 1469-1481.	2.3	7
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12370	Processing and Formation of Bioactive CLE40 Peptide Are Controlled by Posttranslational Proline Hydroxylation. <i>Plant Physiology</i> , 2020, 184, 1573-1584.	2.3	21
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12373	Natural variation at FLM splicing has pleiotropic effects modulating ecological strategies in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2020, 11, 4140.	5.8	17
12374	Molecular characterization of <i>Arabidopsis thaliana</i> LSH1 and LSH2 genes. <i>Genes and Genomics</i> , 2020, 42, 1151-1162.	0.5	7
12375	<i>OsLFR</i> is essential for early endosperm and embryo development by interacting with SWI/SNF complex members in <i>Oryza sativa</i> . <i>Plant Journal</i> , 2020, 104, 901-916.	2.8	9

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12377	A Novel R2R3-MYB Transcription Factor PqMYB4 Inhibited Anthocyanin Biosynthesis in <i>Paeonia qiu</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 5878.	1.8	13
12378	Redox Modification of the Iron-Sulfur Glutaredoxin GRXS17 Activates Holdase Activity and Protects Plants from Heat Stress. <i>Plant Physiology</i> , 2020, 184, 676-692.	2.3	33
12379	NtCIPK9: A Calcineurin B-Like Protein-Interacting Protein Kinase From the Halophyte <i>Nitraria tangutorum</i> , Enhances <i>Arabidopsis</i> Salt Tolerance. <i>Frontiers in Plant Science</i> , 2020, 11, 1112.	1.7	19
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12381	Overexpression of <i>Jatropha curcas</i> ERFVII2 Transcription Factor Confers Low Oxygen Tolerance in Transgenic <i>Arabidopsis</i> by Modulating Expression of Metabolic Enzymes and Multiple Stress-Responsive Genes. <i>Plants</i> , 2020, 9, 1068.	1.6	4
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12386	Fox Hunting in Wild Apples: Searching for Novel Genes in <i>Malus sieversii</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 9516.	1.8	4
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12388	Buckwheat FeNramp5 Mediates High Manganese Uptake in Roots. <i>Plant and Cell Physiology</i> , 2021, 62, 600-609.	1.5	17
12389	NSs, the Silencing Suppressor of Tomato Spotted Wilt Orthotospovirus, Interferes With JA-Regulated Host Terpenoids Expression to Attract <i>Frankliniella occidentalis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 590451.	1.5	7
12390	Overexpression of the Auxin Receptor AFB3 in <i>Arabidopsis</i> Results in Salt Stress Resistance and the Modulation of NAC4 and SZF1. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9528.	1.8	21
12391	Zinc Finger Protein 1 (ZFP1) Is Involved in Trichome Initiation in <i>Arabidopsis thaliana</i> . <i>Agriculture (Switzerland)</i> , 2020, 10, 645.	1.4	9
12392	Molecular Cloning and Functional Characterization of the DELLA Gene Family in <i>Liriodendron</i> Hybrids. <i>Forests</i> , 2020, 11, 1363.	0.9	1
12393	Redox-Dependent Structural Modification of Nucleoredoxin Triggers Defense Responses against <i>Alternaria brassicicola</i> in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 9196.	1.8	7

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12395	Overexpression of AtAHL20 causes delayed flowering in Arabidopsis via repression of FT expression. <i>BMC Plant Biology</i> , 2020, 20, 559.	1.6	13
12396	Over expression of a Chitinase 2 gene from Chinese Wild Strawberry improves resistance to anthracnose disease in transgenic Arabidopsis thaliana. <i>Plant Biotechnology Reports</i> , 2020, 14, 725-736.	0.9	10
12397	Ring/U-Box Protein AtUSR1 Functions in Promoting Leaf Senescence Through JA Signaling Pathway in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 608589.	1.7	14
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12399	Dynamic Changes of the Anthocyanin Biosynthesis Mechanism During the Development of Heading Chinese Cabbage (<i>Brassica rapa</i> L.) and Arabidopsis Under the Control of BrMYB2. <i>Frontiers in Plant Science</i> , 2020, 11, 593766.	1.7	14
12400	Condensation of Rubisco into a proto-pyrenoid in higher plant chloroplasts. <i>Nature Communications</i> , 2020, 11, 6303.	5.8	56
12401	Histone Demethylases Coordinate the Antagonistic Interaction Between Abscisic Acid and Brassinosteroid Signaling in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 596835.	1.7	9
12402	ARP2/3-independent WAVE/SCAR pathway and class XI myosin control sperm nuclear migration in flowering plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32757-32763.	3.3	18
12403	Ectopic expression of a grape nitrate transporter VvNPF6.5 improves nitrate content and nitrogen use efficiency in Arabidopsis. <i>BMC Plant Biology</i> , 2020, 20, 549.	1.6	6
12404	Genome-wide analysis of the AREB/ABF gene lineage in land plants and functional analysis of TaABF3 in Arabidopsis. <i>BMC Plant Biology</i> , 2020, 20, 558.	1.6	11
12405	Functional Interchangeability of Nucleotide Sugar Transporters URGT1 and URGT2 Reveals That urgt1 and urgt2 Cell Wall Chemotypes Depend on Their Spatio-Temporal Expression. <i>Frontiers in Plant Science</i> , 2020, 11, 594544.	1.7	2
12406	Glutathione S-transferases GhGSTF1 and GhGSTF2 involved in the anthocyanin accumulation in <i>Gossypium hirsutum</i> L.. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2565-2575.	3.6	4
12407	Melon short internode (CmSi) encodes an ERECTA-like receptor kinase regulating stem elongation through auxin signaling. <i>Horticulture Research</i> , 2020, 7, 202.	2.9	14
12408	Variation in the expression of a transmembrane protein influences cell growth in Arabidopsis thaliana petals by altering auxin responses. <i>BMC Plant Biology</i> , 2020, 20, 482.	1.6	0
12409	F-Type ATP Synthase Assembly Factors Atp11 and Atp12 in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 522753.	1.7	8
12410	Genome-Wide Identification and Functional Characterization of the Cation Proton Antiporter (CPA) Family Related to Salt Stress Response in Radish (<i>Raphanus sativus</i> L.). <i>International Journal of Molecular Sciences</i> , 2020, 21, 8262.	1.8	23
12411	Genome-wide identification of MADS-box gene family in sacred lotus (<i>Nelumbo nucifera</i>) identifies a SEPALLATA homolog gene involved in floral development. <i>BMC Plant Biology</i> , 2020, 20, 497.	1.6	23

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12412	Crosstalk Pathway between Trehalose Metabolism and Cytokinin Degradation for the Determination of the Number of Berries per Bunch in Grapes. <i>Cells</i> , 2020, 9, 2378.	1.8	1
12413	NAC103, a NAC family transcription factor, regulates ABA response during seed germination and seedling growth in Arabidopsis. <i>Planta</i> , 2020, 252, 95.	1.6	14
12414	SATMF Suppresses the Premature Senescence Phenotype of the ATM Loss-of-Function Mutant and Improves Its Fertility in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8120.	1.8	4
12415	The RNA dependent DNA methylation pathway is required to restrict <i>SPOROXYTELESS/NOZZLE</i> expression to specify a single female germ cell precursor in Arabidopsis. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	34
12416	Expression of LhFT1, the Flowering Inducer of Asiatic Hybrid Lily, in the Bulb Scales. <i>Frontiers in Plant Science</i> , 2020, 11, 570915.	1.7	7
12417	Overexpression of a tonoplast Na ⁺ /H ⁺ antiporter from the halophytic shrub <i>Nitraria sibirica</i> improved salt tolerance and root development in transgenic poplar. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	0.6	11
12418	Improving the Efficiency of Adventitious Shoot Induction and Somatic Embryogenesis via Modification of WUSCHEL and LEAFY COTYLEDON 1. <i>Plants</i> , 2020, 9, 1434.	1.6	6
12419	Plant Cadmium Resistance 2 (SaPCR2) Facilitates Cadmium Efflux in the Roots of Hyperaccumulator <i>Sedum alfredii</i> Hance. <i>Frontiers in Plant Science</i> , 2020, 11, 568887.	1.7	28
12420	Molecular Manipulation of MicroRNA397 Abundance Influences the Development and Salt Stress Response of Arabidopsis thaliana. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7879.	1.8	17
12421	The Tapetal Major Facilitator NPF2.8 Is Required for Accumulation of Flavonol Glycosides on the Pollen Surface in Arabidopsis thaliana. <i>Plant Cell</i> , 2020, 32, 1727-1748.	3.1	28
12422	Loss of TaIRX9b gene function in wheat decreases chain length and amount of arabinoxylan in grain but increases cross-linking. <i>Plant Biotechnology Journal</i> , 2020, 18, 2316-2327.	4.1	16
12423	PRP8A and PRP8B spliceosome subunits act co-ordinately to control pollen tube attraction in Arabidopsis. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	10
12424	Arg-type dihydroflavonol 4-reductase genes from the fern <i>Dryopteris erythrosora</i> play important roles in the biosynthesis of anthocyanins. <i>PLoS ONE</i> , 2020, 15, e0232090.	1.1	8
12425	Bacterial Infection Disrupts Clock Gene Expression to Attenuate Immune Responses. <i>Current Biology</i> , 2020, 30, 1740-1747.e6.	1.8	20
12426	Vacuolar sucrose homeostasis is critical for plant development, seed properties, and night-time survival in Arabidopsis. <i>Journal of Experimental Botany</i> , 2020, 71, 4930-4943.	2.4	43
12427	Melatonin Represses Oil and Anthocyanin Accumulation in Seeds. <i>Plant Physiology</i> , 2020, 183, 898-914.	2.3	25
12428	The coenzyme thiamine diphosphate displays a daily rhythm in the Arabidopsis nucleus. <i>Communications Biology</i> , 2020, 3, 209.	2.0	21
12429	MYB30 Is a Key Negative Regulator of Arabidopsis Photomorphogenic Development That Promotes PIF4 and PIF5 Protein Accumulation in the Light. <i>Plant Cell</i> , 2020, 32, 2196-2215.	3.1	67

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12430	Nuclear import of LIKE HETEROCHROMATIN PROTEIN1 is redundantly mediated by importins Î±1, Î±2 and Î±3. <i>Plant Journal</i> , 2020, 103, 1205-1214.	2.8	10
12431	Casparian strip membrane domain proteins in <i>Gossypium arboreum</i> : genome-wide identification and negative regulation of lateral root growth. <i>BMC Genomics</i> , 2020, 21, 340.	1.2	4
12432	Local HY5 Activity Mediates Hypocotyl Growth and Shoot-to-Root Communication. <i>Plant Communications</i> , 2020, 1, 100078.	3.6	32
12433	The m ⁶ A reader ECT2 post-transcriptionally regulates proteasome activity in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2020, 228, 151-162.	3.5	15
12434	Type A2 BTB Members Decrease the ABA Response during Seed Germination by Affecting the Stability of SnRK2.3 in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 3153.	1.8	8
12435	Design of orthogonal regulatory systems for modulating gene expression in plants. <i>Nature Chemical Biology</i> , 2020, 16, 857-865.	3.9	57
12436	MS1, a direct target of MS188, regulates the expression of key sporophytic pollen coat protein genes in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 4877-4889.	2.4	50
12437	The pepper <i>RING</i> -type <i>E3</i> ligase, <i>CaATIR1</i> , positively regulates abscisic acid signalling and drought response by modulating the stability of <i>CaATBZ1</i> . <i>Plant, Cell and Environment</i> , 2020, 43, 1911-1924.	2.8	23
12438	FKF1 F-box protein promotes flowering in part by negatively regulating DELLA protein stability under long-day photoperiod in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1717-1740.	4.1	31
12439	Elucidating the roles of three Î²-glucuronosyltransferases (GLCATs) acting on arabinogalactan-proteins using a CRISPR-Cas9 multiplexing approach in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2020, 20, 221.	1.6	30
12440	Structure-Function Analysis of SMAX1 Reveals Domains That Mediate Its Karrikin-Induced Proteolysis and Interaction with the Receptor KAI2. <i>Plant Cell</i> , 2020, 32, 2639-2659.	3.1	90
12441	The transcription factor <i>ZmNAC126</i> accelerates leaf senescence downstream of the ethylene signalling pathway in maize. <i>Plant, Cell and Environment</i> , 2020, 43, 2287-2300.	2.8	31
12442	Overexpression of Melon Tonoplast Sugar Transporter CmTST1 Improved Root Growth under High Sugar Content. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3524.	1.8	7
12443	A gravitropic stimulus alters the distribution of EHB1, a negative effector of root gravitropism in <i>Arabidopsis</i> . <i>Plant Direct</i> , 2020, 4, e00215.	0.8	6
12444	Molecular Basis for a Cell Fate Switch in Response to Impaired Ribosome Biogenesis in the <i>Arabidopsis</i> Root Epidermis. <i>Plant Cell</i> , 2020, 32, 2402-2423.	3.1	15
12445	TRIPP Is a Plant-Specific Component of the <i>Arabidopsis</i> TRAPP II Membrane Trafficking Complex with Important Roles in Plant Development. <i>Plant Cell</i> , 2020, 32, 2424-2443.	3.1	24
12446	<i>KUP</i> 9 maintains root meristem activity by regulating K ⁺ and auxin homeostasis in response to low K. <i>EMBO Reports</i> , 2020, 21, e50164.	2.0	43
12447	A novel tonoplast Na ⁺ /H ⁺ antiporter gene from date palm (<i>PdNHX6</i>) confers enhanced salt tolerance response in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2020, 39, 1079-1093.	2.8	33

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12448	The lipid code-dependent phosphoswitch PDK1â€“D6PK activates PIN-mediated auxin efflux in Arabidopsis. <i>Nature Plants</i> , 2020, 6, 556-569.	4.7	39
12449	CER16 Inhibits Post-Transcriptional Gene Silencing of <i>CER3</i> to Regulate Alkane Biosynthesis. <i>Plant Physiology</i> , 2020, 182, 1211-1221.	2.3	16
12450	LcEIL2/3 are involved in fruitlet abscission via activating genes related to ethylene biosynthesis and cell wall remodeling in litchi. <i>Plant Journal</i> , 2020, 103, 1338-1350.	2.8	24
12451	Arabidopsis REM16 acts as a B3 domain transcription factor to promote flowering time via directly binding to the promoters of <i>SOC1</i> and <i>FT</i> . <i>Plant Journal</i> , 2020, 103, 1386-1398.	2.8	28
12452	Cloning, molecular and functional characterization by overexpression in Arabidopsis of MAPKK genes from grapevine (<i>Vitis vinifera</i>). <i>BMC Plant Biology</i> , 2020, 20, 194.	1.6	9
12453	PDK1 regulates auxin transport and Arabidopsis vascular development through AGC1 kinase PAX. <i>Nature Plants</i> , 2020, 6, 544-555.	4.7	37
12454	The Conserved and Particular Roles of the R2R3-MYB Regulator FhPAP1 from <i>Freesia hybrida</i> in Flower Anthocyanin Biosynthesis. <i>Plant and Cell Physiology</i> , 2020, 61, 1365-1380.	1.5	42
12455	A <i>Phytophthora</i> effector protein promotes symplastic cellâ€“cell trafficking by physical interaction with plasmodesmataâ€“localised callose synthases. <i>New Phytologist</i> , 2020, 227, 1467-1478.	3.5	30
12456	Functional Characterization of Lysophosphatidylcholine: Acyl-CoA Acyltransferase Genes From Sunflower (<i>Helianthus annuus</i> L.). <i>Frontiers in Plant Science</i> , 2020, 11, 403.	1.7	9
12457	Arabidopsis Lectin EULS3 Is Involved in ABA Signaling in Roots. <i>Frontiers in Plant Science</i> , 2020, 11, 437.	1.7	13
12458	The HD-ZIP II Transcription Factors Regulate Plant Architecture through the Auxin Pathway. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3250.	1.8	23
12459	Overexpression of miR319a Altered Oil Body Morphogenesis and Lipid Content in Arabidopsis Seeds. <i>Plant Molecular Biology Reporter</i> , 2020, 38, 531-537.	1.0	4
12460	Targeted Knockout of <i>BnTT2</i> Homologues for Yellow-Seeded <i>Brassica napus</i> with Reduced Flavonoids and Improved Fatty Acid Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5676-5690.	2.4	43
12461	The Type-B Cytokinin Response Regulator ARR1 Inhibits Shoot Regeneration in an ARR12-Dependent Manner in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 2271-2291.	3.1	41
12462	Tree peony variegated flowers show a small insertion in the F3â€™H gene of the acyanic flower parts. <i>BMC Plant Biology</i> , 2020, 20, 211.	1.6	20
12463	IMMUTANS positively regulates RPW8.1-mediated disease resistance in Arabidopsis. <i>Physiological and Molecular Plant Pathology</i> , 2020, 111, 101493.	1.3	1
12464	Multiplexed heritable gene editing using RNA viruses and mobile single guide RNAs. <i>Nature Plants</i> , 2020, 6, 620-624.	4.7	198
12465	The class II KNOX transcription factors KNAT3 and KNAT7 synergistically regulate monoglignol biosynthesis in Arabidopsis. <i>Journal of Experimental Botany</i> , 2020, 71, 5469-5483.	2.4	39

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12466	A plant RNA virus activates selective autophagy in a UPRâ€dependent manner to promote virus infection. <i>New Phytologist</i> , 2020, 228, 622-639.	3.5	44
12467	Functional Divergence of the Arabidopsis Florigen-Interacting bZIP Transcription Factors FD and FDP. <i>Cell Reports</i> , 2020, 31, 107717.	2.9	49
12468	BcAP3, a MADS box gene, controls stamen development and male sterility in Pak-choi (<i>Brassica rapa</i> ssp.) Tj ETQq0,0,0 rgBT /Overlock 1	1.0	6
12469	RING finger ubiquitin E3 ligase gene TaSDIR1-4A contributes to determination of grain size in common wheat. <i>Journal of Experimental Botany</i> , 2020, 71, 5377-5388.	2.4	43
12470	The miR396-GRFs Module Mediates the Prevention of Photo-oxidative Damage by Brassinosteroids during Seedling De-Etiolation in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 2525-2542.	3.1	28
12471	A gibberellin methyltransferase modulates the timing of floral transition at the Arabidopsis shoot meristem. <i>Physiologia Plantarum</i> , 2020, 170, 474-487.	2.6	4
12472	Glycosyltransferase-Like RSE1 Negatively Regulates Leaf Senescence Through Salicylic Acid Signaling in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 551.	1.7	9
12473	A Single Amino Acid Change in Nramp6 from <i>Sedum Alfredii</i> Hance Affects Cadmium Accumulation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3169.	1.8	12
12474	Kandelial candel Thioredoxin f Confers Osmotic Stress Tolerance in Transgenic Tobacco. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3335.	1.8	6
12475	HbWRKY40 plays an important role in the regulation of pathogen resistance in <i>Hevea brasiliensis</i> . <i>Plant Cell Reports</i> , 2020, 39, 1095-1107.	2.8	15
12476	The Lipid Flippases ALA4 and ALA5 Play Critical Roles in Cell Expansion and Plant Growth. <i>Plant Physiology</i> , 2020, 182, 2111-2125.	2.3	11
12477	Mitochondrial Fatty Acid Synthase Utilizes Multiple Acyl Carrier Protein Isoforms. <i>Plant Physiology</i> , 2020, 183, 547-557.	2.3	18
12478	Multiple N-glycans cooperate in balancing misfolded BRI1 secretion and ER retention. <i>Plant Molecular Biology</i> , 2020, 103, 581-596.	2.0	4
12479	Expression of the tomato WRKY gene, SIWRKY23, alters root sensitivity to ethylene, auxin and JA and affects aerial architecture in transgenic Arabidopsis. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1187-1199.	1.4	15
12480	The root iron transporter 1 governs cadmium uptake in <i>Vicia sativa</i> roots. <i>Journal of Hazardous Materials</i> , 2020, 398, 122873.	6.5	35
12481	A DMP-triggered in vivo maternal haploid induction system in the dicotyledonous Arabidopsis. <i>Nature Plants</i> , 2020, 6, 466-472.	4.7	78
12482	Dual Role of Auxin in Regulating Plant Defense and Bacterial Virulence Gene Expression During <i>Pseudomonas syringae</i> PtoDC3000 Pathogenesis. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 1059-1071.	1.4	48
12483	PLANT NATRIURETIC PEPTIDE A and Its Putative Receptor PNP-R2 Antagonize Salicylic Acidâ€Mediated Signaling and Cell Death. <i>Plant Cell</i> , 2020, 32, 2237-2250.	3.1	21

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12484	The temporal regulation of TEK contributes to pollen wall exine patterning. <i>PLoS Genetics</i> , 2020, 16, e1008807.	1.5	15
12485	LlvHrip1, an effector secreted by <i>Ustilaginoidea virens</i> , suppresses basal defense and promotes disease development in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2020, 751, 144776.	1.0	4
12486	Transposon insertions within alleles of BnaFLC.A10 and BnaFLC.A2 are associated with seasonal crop type in rapeseed. <i>Journal of Experimental Botany</i> , 2020, 71, 4729-4741.	2.4	32
12488	Increased BnaMFT-transcript level is associated with secondary dormancy in oilseed rape (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT ₂ /Overlock	1.7	1
12489	A novel plasma membrane-based NRAMP transporter contributes to Cd and Zn hyperaccumulation in <i>Sedum alfredii</i> Hance. <i>Environmental and Experimental Botany</i> , 2020, 176, 104121.	2.0	56
12490	Overexpression of cphA gene from <i>Nostoc flagelliforme</i> improves the drought tolerance of <i>Arabidopsis thaliana</i> . <i>South African Journal of Botany</i> , 2020, 132, 127-131.	1.2	1
12491	Class I TCP transcription factors regulate trichome branching and cuticle development in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 5438-5453.	2.4	26
12492	Induction of Î³-aminobutyric acid plays a positive role to <i>Arabidopsis</i> resistance against <i>Pseudomonas syringae</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1797-1812.	4.1	25
12493	ABI5 modulates seed germination via feedback regulation of the expression of the <i>PYR/PYL/RCAR</i> ABA receptor genes. <i>New Phytologist</i> , 2020, 228, 596-608.	3.5	78
12494	The cold response regulator CBF1 promotes <i>Arabidopsis</i> hypocotyl growth at ambient temperatures. <i>EMBO Journal</i> , 2020, 39, e103630.	3.5	49
12495	Overexpression of rice glutaredoxin genes LOC_Os02g40500 and LOC_Os01g27140 regulate plant responses to drought stress. <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110721.	2.9	19
12496	The calcineurin Î²-like interacting protein kinase CIPK25 regulates potassium homeostasis under low oxygen in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 2678-2689.	2.4	19
12497	Differential Phosphorylation of the Transcription Factor WRKY33 by the Protein Kinases CPK5/CPK6 and MPK3/MPK6 Cooperatively Regulates Camalexin Biosynthesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 2621-2638.	3.1	110
12498	CONSTITUTIVELY PHOTOMORPHOGENIC1 promotes ABA-mediated inhibition of post-germination seedling establishment. <i>Plant Journal</i> , 2020, 103, 481-496.	2.8	24
12499	AKR2A interacts with KCS1 to improve VLCFAs contents and chilling tolerance of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 103, 1575-1589.	2.8	21
12500	The effect of ABRE BINDING FACTOR 4-mediated FYVE1 on salt stress tolerance in <i>Arabidopsis</i> . <i>Plant Science</i> , 2020, 296, 110489.	1.7	12
12501	Expression and functional analysis of VviABCG14 from <i>Vitis vinifera</i> suggest the role in cytokinin transport and the interaction with VviABCG7. <i>Plant Physiology and Biochemistry</i> , 2020, 153, 1-10.	2.8	9
12502	Unisexual flower initiation in the monoecious <i>Quercus suber</i> L.: a molecular approach. <i>Tree Physiology</i> , 2020, 40, 1260-1276.	1.4	4

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12503	The Arabidopsis Protein CGL20 Is Required for Plastid 50S Ribosome Biogenesis. <i>Plant Physiology</i> , 2020, 182, 1222-1238.	2.3	14
12504	Loss of the Acetyltransferase NAA50 Induces Endoplasmic Reticulum Stress and Immune Responses and Suppresses Growth. <i>Plant Physiology</i> , 2020, 183, 1838-1854.	2.3	16
12505	Maize <i>Glossy2</i> and <i>Glossy2-like</i> Genes Have Overlapping and Distinct Functions in Cuticular Lipid Deposition. <i>Plant Physiology</i> , 2020, 183, 840-853.	2.3	14
12506	Dual-Reporting Transcriptionally Linked Genetically Encoded Fluorescent Indicators Resolve the Spatiotemporal Coordination of Cytosolic Abscisic Acid and Second Messenger Dynamics in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 2582-2601.	3.1	57
12507	NRT2.1 C-terminal phosphorylation prevents root high affinity nitrate uptake activity in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2020, 228, 1038-1054.	3.5	34
12508	LcMYB4, an unknown function transcription factor gene from sheepgrass, as a positive regulator of chilling and freezing tolerance in transgenic Arabidopsis. <i>BMC Plant Biology</i> , 2020, 20, 238.	1.6	12
12509	Serine hydroxymethyltransferase localised in the endoplasmic reticulum plays a role in scavenging H ₂ O ₂ to enhance rice chilling tolerance. <i>BMC Plant Biology</i> , 2020, 20, 236.	1.6	15
12510	The domesticated transposase ALP2 mediates formation of a novel Polycomb protein complex by direct interaction with MSI1, a core subunit of Polycomb Repressive Complex 2 (PRC2). <i>PLoS Genetics</i> , 2020, 16, e1008681.	1.5	22
12511	Unregulated Sphingolipid Biosynthesis in Gene-Edited Arabidopsis <i>ORM</i> Mutants Results in Nonviable Seeds with Strongly Reduced Oil Content. <i>Plant Cell</i> , 2020, 32, 2474-2490.	3.1	21
12512	CRISPR/Cas9-mediated knockout and overexpression studies reveal a role of maize phytochrome C in regulating flowering time and plant height. <i>Plant Biotechnology Journal</i> , 2020, 18, 2520-2532.	4.1	56
12513	The N-terminal zinc finger of CELLULOSE SYNTHASE6 is critical in defining its functional properties by determining the level of homodimerization in Arabidopsis. <i>Plant Journal</i> , 2020, 103, 1826-1838.	2.8	4
12514	CELLULOSE SYNTHASE INTERACTING 1 is required for wood mechanics and leaf morphology in aspen. <i>Plant Journal</i> , 2020, 103, 1858-1868.	2.8	10
12515	Glutaredoxin <i>AtGRXS8</i> represses transcriptional and developmental responses to nitrate in <i>Arabidopsis thaliana</i> roots. <i>Plant Direct</i> , 2020, 4, e00227.	0.8	18
12517	GCN5 modulates salicylic acid homeostasis by regulating H3K14ac levels at the 5' and 3' ends of its target genes. <i>Nucleic Acids Research</i> , 2020, 48, 5953-5966.	6.5	44
12518	A GDSL-type esterase/lipase gene, GELP77, is necessary for pollen dissociation and fertility in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 1036-1041.	1.0	20
12519	Herbaceous peony (<i>Paeonia lactiflora</i> Pall.) PIDECCA gene negatively regulates dormancy release and plant growth. <i>Plant Science</i> , 2020, 297, 110539.	1.7	9
12520	An attempt to establish an Agrobacterium-mediated transient expression system in medicinal plants. <i>Protoplasma</i> , 2020, 257, 1497-1505.	1.0	19
12521	GSM2, a transaldolase, contributes to reactive oxygen species homeostasis in Arabidopsis. <i>Plant Molecular Biology</i> , 2020, 104, 39-53.	2.0	12

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12522	Functional characterization of class I SHSP17.7 gene responsible for tomato cold-stress tolerance. <i>Plant Science</i> , 2020, 298, 110568.	1.7	23
12523	Cloning of a SEPALLATA4-like gene (liSEP4) in <i>Isatis indigotica</i> Fortune and characterization of its function in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 154, 229-237.	2.8	14
12524	Reciprocal regulation between nicotinamide adenine dinucleotide metabolism and abscisic acid and stress response pathways in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2020, 16, e1008892.	1.5	22
12525	AGAMOUS-LIKE67 Cooperates with the Histone Mark Reader EBS to Modulate Seed Germination under High Temperature. <i>Plant Physiology</i> , 2020, 184, 529-545.	2.3	21
12526	AtHsc70 negatively regulates the basal heat tolerance in <i>Arabidopsis thaliana</i> through affecting the activity of HsfAs and Hsp101. <i>Plant Journal</i> , 2020, 103, 2069-2083.	2.8	28
12527	Effect of small coding genes on the circadian rhythms under elevated CO ₂ conditions in plants. <i>Plant Molecular Biology</i> , 2020, 104, 55-65.	2.0	2
12528	Genome-wide identification and characterization of UDP-glucose dehydrogenase family genes in moso bamboo and functional analysis of PeUGDH4 in hemicellulose synthesis. <i>Scientific Reports</i> , 2020, 10, 10124.	1.6	11
12529	The C-terminal 17 amino acids of the photoreceptor UVR8 is involved in the fine-tuning of UV-B signaling. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1327-1340.	4.1	13
12530	A cotton β 1,3-/4-fucosyltransferase-encoding gene, FucT4, plays an important role in cell elongation and is significantly associated with fiber quality. <i>Molecular Genetics and Genomics</i> , 2020, 295, 1141-1153.	1.0	3
12531	Cysteine protease RD21A regulated by E3 ligase SINAT4 is required for drought-induced resistance to <i>Pseudomonas syringae</i> in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 5562-5576.	2.4	22
12532	<i>Arabidopsis</i> SMN2/HEN2, Encoding DEAD-Box RNA Helicase, Governs Proper Expression of the Resistance Gene SMN1/RPS6 and Is Involved in Dwarf, Autoimmune Phenotypes of mekk1 and mpk4 Mutants. <i>Plant and Cell Physiology</i> , 2020, 61, 1507-1516.	1.5	21
12533	Evidence for sub-functionalization of tandemly duplicated XPB nucleotide excision repair genes in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2020, 754, 144818.	1.0	2
12534	NAA50 Is an Enzymatically Active β -Acetyltransferase That Is Crucial for Development and Regulation of Stress Responses. <i>Plant Physiology</i> , 2020, 183, 1502-1516.	2.3	23
12535	Abnormal expression of bHLH3 disrupts a flavonoid homeostasis network, causing differences in pigment composition among mulberry fruits. <i>Horticulture Research</i> , 2020, 7, 83.	2.9	82
12536	Proteasomal Degradation of Proteins Is Important for the Proper Transcriptional Response to Sulfur Deficiency Conditions in Plants. <i>Plant and Cell Physiology</i> , 2020, 61, 1548-1564.	1.5	9
12537	Characterization of Transcriptional Expression and Regulation of Carotenoid Cleavage Dioxygenase 4b in Grapes. <i>Frontiers in Plant Science</i> , 2020, 11, 483.	1.7	22
12538	The N-terminal and third transmembrane domain of PsCor413im1 are essential for targeting to chloroplast envelope membrane. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 929-934.	1.0	1
12539	The Mechanosensitive Ion Channel MSL10 Potentiates Responses to Cell Swelling in <i>Arabidopsis</i> Seedlings. <i>Current Biology</i> , 2020, 30, 2716-2728.e6.	1.8	66

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12540	Fine-tune control of targeted RNAi efficacy by plant artificial small RNAs. <i>Nucleic Acids Research</i> , 2020, 48, 6234-6250.	6.5	16
12541	Spermine Regulates Water Balance Associated with Ca ²⁺ -Dependent Aquaporin (TrTIP2-1, TrTIP2-2 and) Tj ETQq1 1.0.784314_rgBT /Cv	1.5	15
12542	The N-Terminal Acetyltransferase Naa50 Regulates Arabidopsis Growth and Osmotic Stress Response. <i>Plant and Cell Physiology</i> , 2020, 61, 1565-1575.	1.5	16
12543	The Arabidopsis N ^ε -acetyltransferase NAA60 locates to the plasma membrane and is vital for the high salt stress response. <i>New Phytologist</i> , 2020, 228, 554-569.	3.5	25
12544	Functional Characterization of VvSK Gene Family in Grapevine Revealing Their Role in Berry Ripening. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4336.	1.8	7
12545	Bread wheat TaSPO11 ¹ exhibits evolutionarily conserved function in meiotic recombination across distant plant species. <i>Plant Journal</i> , 2020, 103, 2052-2068.	2.8	14
12546	Leaf chlorosis in <i>Arabidopsis thaliana</i> hybrids is associated with transgenerational decline and imbalanced ribosome number. <i>New Phytologist</i> , 2020, 228, 989-1000.	3.5	4
12547	NERD1 is required for primexine formation and plasma membrane undulation during microsporogenesis in <i>Arabidopsis thaliana</i> . <i>ABIOTECH</i> , 2020, 1, 205-218.	1.8	4
12548	Epigenetic memory marks determine epiallele stability at loci targeted by de novo DNA methylation. <i>Nature Plants</i> , 2020, 6, 661-674.	4.7	52
12549	The miR399- <i>CsLUC24</i> Module Regulates Reproductive Development and Male Fertility in Citrus. <i>Plant Physiology</i> , 2020, 183, 1681-1695.	2.3	38
12550	Functional characterization of Arabidopsis ARGONAUTE 3 in reproductive tissues. <i>Plant Journal</i> , 2020, 103, 1796-1809.	2.8	22
12551	Adaptive reduction of male gamete number in the selfing plant <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2020, 11, 2885.	5.8	27
12552	The HD-ZIP IV transcription factor GL2-LIKE regulates male flowering time and fertility in cucumber. <i>Journal of Experimental Botany</i> , 2020, 71, 5425-5437.	2.4	16
12553	The cohesin loader SCC2 contains a PHD finger that is required for meiosis in land plants. <i>PLoS Genetics</i> , 2020, 16, e1008849.	1.5	18
12554	Response of the Major Allergen Fra a 1.01 in Strawberry to Cold. <i>Horticulture Journal</i> , 2020, 89, 182-190.	0.3	1
12555	Genome-Wide Identification and Characterization of Vacuolar Processing Enzyme Gene Family and Diverse Expression Under Stress in Apple (<i>Malus × Domestic</i>). <i>Frontiers in Plant Science</i> , 2020, 11, 626.	1.7	11
12556	Heterologous Expression of Nitrate Assimilation Related-Protein DsNAR2.1/NRT3.1 Affects Uptake of Nitrate and Ammonium in Nitrogen-Starved Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4027.	1.8	11
12557	ABC1K10a, an atypical kinase, functions in plant salt stress tolerance. <i>BMC Plant Biology</i> , 2020, 20, 270.	1.6	15

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12558	Identification of enzymatic genes with the potential to reduce biomass recalcitrance through lignin manipulation in <i>Arabidopsis</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 97.	6.2	19
12559	Expression of Three Related to ABI3/VP1 Genes in <i>Medicago truncatula</i> Caused Increased Stress Resistance and Branch Increase in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 611.	1.7	19
12560	Functionally Divergent Splicing Variants of the Rice AGAMOUS Ortholog OsMADS3 Are Evolutionary Conserved in Grasses. <i>Frontiers in Plant Science</i> , 2020, 11, 637.	1.7	2
12561	<i>Arabidopsis</i> SMALL DEFENSE-ASSOCIATED PROTEIN 1 Modulates Pathogen Defense and Tolerance to Oxidative Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 703.	1.7	9
12562	The Pepper MAP Kinase CaAIMK1 Positively Regulates ABA and Drought Stress Responses. <i>Frontiers in Plant Science</i> , 2020, 11, 720.	1.7	21
12563	Transcription Factor GmWRKY142 Confers Cadmium Resistance by Up-Regulating the Cadmium Tolerance 1-Like Genes. <i>Frontiers in Plant Science</i> , 2020, 11, 724.	1.7	44
12564	Genome-Wide Dissection of the CRF Gene Family in <i>Brassica napus</i> Indicates that BnaCRF8s Specifically Regulate Root Architecture and Phosphate Homeostasis against Phosphate Fluctuation in Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3660.	1.8	10
12565	Systematic identification and functional analysis of potato (<i>Solanum tuberosum</i> L.) bZIP transcription factors and overexpression of potato bZIP transcription factor StbZIP-65 enhances salt tolerance. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 155-167.	3.6	28
12566	Interaction between TaNOX7 and TaCDPK13 Contributes to Plant Fertility and Drought Tolerance by Regulating ROS Production. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7333-7347.	2.4	24
12567	Overexpression of sugar transporter gene PbSWEET4 of pear causes sugar reduce and early senescence in leaves. <i>Gene</i> , 2020, 743, 144582.	1.0	27
12568	Structural basis for recognition of RALF peptides by LRX proteins during pollen tube growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7494-7503.	3.3	83
12569	The CaChiVI2 Gene of <i>Capsicum annuum</i> L. Confers Resistance Against Heat Stress and Infection of <i>Phytophthora capsici</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 219.	1.7	18
12570	Rare earth elements induce cytoskeleton-dependent and PI4P-associated rearrangement of SYT1/SYT5 endoplasmic reticulum-plasma membrane contact site complexes in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 3986-3998.	2.4	34
12571	FERONIA controls pectin- and nitric oxide-mediated male-female interaction. <i>Nature</i> , 2020, 579, 561-566.	13.7	137
12572	Vascular plant one-zinc finger 1 (VOZ1) and VOZ2 negatively regulate phytochrome B-mediated seed germination in <i>Arabidopsis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1384-1393.	0.6	8
12573	miR159 Represses a Constitutive Pathogen Defense Response in Tobacco. <i>Plant Physiology</i> , 2020, 182, 2182-2198.	2.3	30
12574	Overexpression of Barley Transcription Factor HvERF2.11 in <i>Arabidopsis</i> Enhances Plant Waterlogging Tolerance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1982.	1.8	29
12575	GsMAS1 Encoding a MADS-box Transcription Factor Enhances the Tolerance to Aluminum Stress in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2004.	1.8	15

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12576	Root-specific expression of chickpea cytokinin oxidase/dehydrogenase 6 leads to enhanced root growth, drought tolerance and yield without compromising nodulation. <i>Plant Biotechnology Journal</i> , 2020, 18, 2225-2240.	4.1	46
12577	Liquid-Liquid Phase Transition Drives Intra-chloroplast Cargo Sorting. <i>Cell</i> , 2020, 180, 1144-1159.e20.	13.5	70
12578	The elicitor protein BclEB1 and the derived peptide ieb35 provide long-term plant protection. <i>Plant Pathology</i> , 2020, 69, 807-817.	1.2	5
12579	SaHsfA4c From <i>Sedum alfredii</i> Hance Enhances Cadmium Tolerance by Regulating ROS-Scavenger Activities and Heat Shock Proteins Expression. <i>Frontiers in Plant Science</i> , 2020, 11, 142.	1.7	28
12580	The transcription factor MML4_D12 regulates fiber development through interplay with the WD40-repeat protein WDR in cotton. <i>Journal of Experimental Botany</i> , 2020, 71, 3499-3511.	2.4	24
12581	Phosphomimetic T335D Mutation of Hydroxypyruvate Reductase 1 Modifies Cofactor Specificity and Impacts Arabidopsis Growth in Air. <i>Plant Physiology</i> , 2020, 183, 194-205.	2.3	10
12582	N-Terminal Acetylation Stabilizes SIGMA FACTOR BINDING PROTEIN1 Involved in Salicylic Acid-Primed Cell Death. <i>Plant Physiology</i> , 2020, 183, 358-370.	2.3	22
12583	Transcription Factors FHY3 and FAR1 Regulate Light-Induced <i>CIRCADIAN CLOCK ASSOCIATED1</i> Gene Expression in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 1464-1478.	3.1	50
12584	ZmCCA1a on Chromosome 10 of Maize Delays Flowering of Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2020, 11, 78.	1.7	5
12585	Over-Expression of the Heat-Responsive Wheat Gene TaHSP23.9 in Transgenic Arabidopsis Conferred Tolerance to Heat and Salt Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 243.	1.7	26
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12587	Cloning and functional characterization of a novel BpSEP4 gene from <i>Betula platyphylla</i> Suk.. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	0.6	1
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12654	TDIF regulates auxin accumulation and modulates auxin sensitivity to enhance both adventitious root and lateral root formation in poplar trees. <i>Tree Physiology</i> , 2020, 40, 1534-1547.	1.4	9
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12673	Phospholipase D \pm 1 mediates the high Mg^{2+} stress response partially through regulation of K $^{+}$ homeostasis. <i>Plant, Cell and Environment</i> , 2020, 43, 2460-2475.	2.8	14
12674	Functional analysis of the UVR8 photoreceptor from the monocotyledonous <i>Zea mays</i> . <i>Plant Growth Regulation</i> , 2020, 92, 307-318.	1.8	10
12675	In planta study of photosynthesis and photorespiration using NADPH and NADH/NAD $^{+}$ fluorescent protein sensors. <i>Nature Communications</i> , 2020, 11, 3238.	5.8	85
12676	Mitochondrial CLPP2 Assists Coordination and Homeostasis of Respiratory Complexes. <i>Plant Physiology</i> , 2020, 184, 148-164.	2.3	26
12677	Stacking triple genes increased proanthocyanidins level in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2020, 15, e0234799.	1.1	4
12678	Molecular Cloning and Functional Characterization of CpMYC2 and CpBHLH13 Transcription Factors from Wintersweet (<i>Chimonanthus praecox</i> L.). <i>Plants</i> , 2020, 9, 785.	1.6	24
12679	A study of male fertility control in <i>Medicago truncatula</i> uncovers an evolutionarily conserved recruitment of two tapetal bHLH subfamilies in plant sexual reproduction. <i>New Phytologist</i> , 2020, 228, 1115-1133.	3.5	18
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12682	A Soybean bZIP Transcription Factor GmbZIP19 Confers Multiple Biotic and Abiotic Stress Responses in Plant. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4701.	1.8	21
12683	Extracellular Ca $^{2+}$ induces desensitized cytosolic Ca $^{2+}$ rise sensitive to phospholipase C inhibitor which suppresses root growth with Ca $^{2+}$ dependence. <i>Journal of Plant Physiology</i> , 2020, 252, 153190.	1.6	0

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12685	GmNMHC5, A Neoteric Positive Transcription Factor of Flowering and Maturity in Soybean. <i>Plants</i> , 2020, 9, 792.	1.6	5
12686	A Highly Efficient Agrobacterium-Mediated Method for Transient Gene Expression and Functional Studies in Multiple Plant Species. <i>Plant Communications</i> , 2020, 1, 100028.	3.6	85
12687	CRK2 and C-terminal Phosphorylation of NADPH Oxidase RBOHD Regulate Reactive Oxygen Species Production in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 1063-1080.	3.1	115
12688	PRH1 mediates ARF7-LBD dependent auxin signaling to regulate lateral root development in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2020, 16, e1008044.	1.5	34
12689	Dormancy-Associated MADS-Box (DAM) Genes Influence Chilling Requirement of Sweet Cherries and Co-Regulate Flower Development with SOC1 Gene. <i>International Journal of Molecular Sciences</i> , 2020, 21, 921.	1.8	34
12690	HD-ZIP I Transcription Factor (PtHB13) Negatively Regulates Citrus Flowering through Binding to FLOWERING LOCUS C Promoter. <i>Plants</i> , 2020, 9, 114.	1.6	14
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12698	Salicylic Acid Suppresses Apical Hook Formation via NPR1-Mediated Repression of EIN3 and EIL1 in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 612-629.	3.1	59
12699	Flexible functional interactions between Gαprotein subunits contribute to the specificity of plant responses. <i>Plant Journal</i> , 2020, 102, 207-221.	2.8	17
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12701	Ectopic Expression of Grapevine Gene VaRGA1 in Arabidopsis Improves Resistance to Downy Mildew and <i>Pseudomonas syringae</i> pv. tomato DC3000 But Increases Susceptibility to Botrytis cinerea. <i>International Journal of Molecular Sciences</i> , 2020, 21, 193.	1.8	11

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12703	MAP3K1 is Involved in Abscisic Acid Signaling in Drought Tolerance and Seed Germination in <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2020, 63, 11-21.	0.9	5
12704	miR156b from Soybean CMS Line Modulates Floral Organ Development. <i>Journal of Plant Biology</i> , 2020, 63, 141-153.	0.9	16
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12717	Simple and efficient genetic transformation of sorghum using immature inflorescences. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	4
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12753	EjFRI, FRIGIDA (FRI) Ortholog from <i>Eriobotrya japonica</i> , Delays Flowering in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1087.	1.8	8
12754	PSBR1, encoding a mitochondrial protein, is regulated by brassinosteroid in moso bamboo (<i>Phyllostachys edulis</i>). <i>Plant Molecular Biology</i> , 2020, 103, 63-74.	2.0	5
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12760	Overexpression of <i>Tamarix hispida</i> ThTrx5 Confers Salt Tolerance to <i>Arabidopsis</i> by Activating Stress Response Signals. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1165.	1.8	14
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12788	Cloning, Characterization and Expression Analysis of the Phosphate Starvation Response Gene, ClPHR1, from Chinese Fir. <i>Forests</i> , 2020, 11, 104.	0.9	4
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12790	GmWRKY45 Enhances Tolerance to Phosphate Starvation and Salt Stress, and Changes Fertility in Transgenic Arabidopsis. <i>Frontiers in Plant Science</i> , 2019, 10, 1714.	1.7	25
12791	The Phylogeny and Functional Characterization of Peanut Acyl-ACP Thioesterases. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1381-1392.	2.8	2
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12794	Dynamic regulation of anthocyanin biosynthesis at different light intensities by the BT2-TCP46-MYB1 module in apple. <i>Journal of Experimental Botany</i> , 2020, 71, 3094-3109.	2.4	64
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12796	Functional Characterization of Invertase Inhibitors PtC/VIF1 and 2 Revealed Their Involvements in the Defense Response to Fungal Pathogen in <i>Populus trichocarpa</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1654.	1.7	17
12797	Functional Characterization of Lycopene Cyclases Illustrates the Metabolic Pathway toward Lutein in Red Algal Seaweeds. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1354-1363.	2.4	13
12798	Intraorganellar calcium imaging in <i>Arabidopsis</i> seedling roots using the GCaMP variants GCaMP6m and R-CEPIA1er. <i>Journal of Plant Physiology</i> , 2020, 246-247, 153127.	1.6	13
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12800	Introducing selective agrochemical manipulation of gibberellin metabolism into a cereal crop. <i>Nature Plants</i> , 2020, 6, 67-72.	4.7	17
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12805	The sugar transporter SWEET10 acts downstream of FLOWERING LOCUS T during floral transition of <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2020, 20, 53.	1.6	59
12806	<i>Arabidopsis</i> PARC6 Is Critical for Plastid Morphogenesis in Pavement, Trichome, and Guard Cells in Leaf Epidermis. <i>Frontiers in Plant Science</i> , 2019, 10, 1665.	1.7	11
12807	Host-Induced Gene Silencing of an Adenylate Kinase Gene Involved in Fungal Energy Metabolism Improves Plant Resistance to <i>Verticillium dahliae</i> . <i>Biomolecules</i> , 2020, 10, 127.	1.8	20
12808	Co-occurrence of Damage and Microbial Patterns Controls Localized Immune Responses in Roots. <i>Cell</i> , 2020, 180, 440-453.e18.	13.5	180
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12810	Genome-wide analysis and phosphorylation sites identification of the <i>MeGRF3</i> gene family and functional characterization of <i>MeGRF3</i> in cassava. <i>Physiologia Plantarum</i> , 2020, 169, 244-257.	2.6	5

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12812	Multi-targeted trehalose-6-phosphate phosphatase I harbors a novel peroxisomal targeting signal 1 and is essential for flowering and development. <i>Planta</i> , 2020, 251, 98.	1.6	17
12813	The <i>Nicotiana sylvestris</i> nucleobase cation symporter 1 retains a dicot solute specificity profile. <i>Plant Gene</i> , 2020, 22, 100226.	1.4	2
12814	Cucumber gibberellin 1-oxidase/desaturase initiates novel gibberellin catabolic pathways. <i>Journal of Biological Chemistry</i> , 2020, 295, 8442-8448.	1.6	6
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12816	Identification of the <i>Eutrema salsugineum</i> EsMYB90 gene important for anthocyanin biosynthesis. <i>BMC Plant Biology</i> , 2020, 20, 186.	1.6	24
12817	Loss of Arabidopsis Î²-COP Function Affects Golgi Structure, Plant Growth and Tolerance to Salt Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 430.	1.7	20
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12819	Regulation of monocot and dicot plant development with constitutively active alleles of phytochrome B. <i>Plant Direct</i> , 2020, 4, e00210.	0.8	7
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12822	Characterization of Arabidopsis thaliana Root-Related Mutants Reveals ABA Regulation of Plant Development and Drought Resistance. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1393-1401.	2.8	9
12823	Establishment of a plant tissue culture system and genetic transformation for agronomic improvement of Indonesian black rice (<i>Oryza sativa</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 141, 605-617.	1.2	7
12824	KNAT7 regulates xylan biosynthesis in Arabidopsis seed-coat mucilage. <i>Journal of Experimental Botany</i> , 2020, 71, 4125-4139.	2.4	14
12825	SHORTROOT-Mediated Intercellular Signals Coordinate Phloem Development in Arabidopsis Roots. <i>Plant Cell</i> , 2020, 32, 1519-1535.	3.1	30
12826	Ectopic Expression of AhGLK1b (GOLDEN2-like Transcription Factor) in Arabidopsis Confers Dual Resistance to Fungal and Bacterial Pathogens. <i>Genes</i> , 2020, 11, 343.	1.0	16
12827	Chlorinated Auxins—How Does Arabidopsis Thaliana Deal with Them?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2567.	1.8	7
12828	AGC protein kinase AGC1-4 mediates seed size in Arabidopsis. <i>Plant Cell Reports</i> , 2020, 39, 825-837.	2.8	7

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12831	Molecular characterization of clock-associated PSEUDO-RESPONSE REGULATOR 9 gene from <i>Oncidium</i> "Gower Ramsey". <i>Plant Growth Regulation</i> , 2020, 91, 371-381.	1.8	1
12832	The Family of Peanut Fatty Acid Desaturase Genes and a Functional Analysis of Four ω -3 AhFAD3 Members. <i>Plant Molecular Biology Reporter</i> , 2020, 38, 209-221.	1.0	20
12833	Phosphorylation-Regulated Activation of the Arabidopsis RRS1-R/RPS4 Immune Receptor Complex Reveals Two Distinct Effector Recognition Mechanisms. <i>Cell Host and Microbe</i> , 2020, 27, 769-781.e6.	5.1	50
12834	Variant castor lysophosphatidic acid acyltransferases acylate ricinoleic acid in seed oil. <i>Industrial Crops and Products</i> , 2020, 150, 112245.	2.5	11
12835	Two homologous INDOLE-3-ACETAMIDE (IAM) HYDROLASE genes are required for the auxin effects of IAM in Arabidopsis. <i>Journal of Genetics and Genomics</i> , 2020, 47, 157-165.	1.7	22
12836	Reversible SUMOylation of FHY1 Regulates Phytochrome A Signaling in Arabidopsis. <i>Molecular Plant</i> , 2020, 13, 879-893.	3.9	14
12837	The CmbZIP1 transcription factor of chrysanthemum negatively regulates shoot branching. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 69-76.	2.8	5
12838	Overexpression of HcSCL13, a <i>Halostachys caspica</i> GRAS transcription factor, enhances plant growth and salt stress tolerance in transgenic Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 243-254.	2.8	38
12839	(E)-Nerolidol is a volatile signal that induces defenses against insects and pathogens in tea plants. <i>Horticulture Research</i> , 2020, 7, 52.	2.9	73
12840	A mobile ELF4 delivers circadian temperature information from shoots to roots. <i>Nature Plants</i> , 2020, 6, 416-426.	4.7	73
12841	A suppressor of axillary meristem maturation promotes longevity in flowering plants. <i>Nature Plants</i> , 2020, 6, 368-376.	4.7	32
12842	A plant genetic network for preventing dysbiosis in the phyllosphere. <i>Nature</i> , 2020, 580, 653-657.	13.7	304
12843	Evidence that ERF transcriptional regulators serve as possible key molecules for natural variation in defense against herbivores in tall goldenrod. <i>Scientific Reports</i> , 2020, 10, 5352.	1.6	3
12844	Genome-wide analysis of CsWOX transcription factor gene family in cucumber (<i>Cucumis sativus</i> L.). <i>Scientific Reports</i> , 2020, 10, 6216.	1.6	16
12845	Plant science's next top models. <i>Annals of Botany</i> , 2020, 126, 1-23.	1.4	34
12846	KNOX protein KNAT1 regulates fruitlet abscission in litchi by repressing ethylene biosynthetic genes. <i>Journal of Experimental Botany</i> , 2020, 71, 4069-4082.	2.4	35

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12848	Purple acid phosphatase 10c encodes a major acid phosphatase that regulates plant growth under phosphate-deficient conditions in rice. <i>Journal of Experimental Botany</i> , 2020, 71, 4321-4332.	2.4	48
12849	Optimizing the PBS1 Decoy System to Confer Resistance to Potyvirus Infection in <i>Arabidopsis</i> and Soybean. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 932-944.	1.4	38
12850	E2FB Interacts with RETINOBLASTOMA RELATED and Regulates Cell Proliferation during Leaf Development. <i>Plant Physiology</i> , 2020, 182, 518-533.	2.3	28
12851	A Theophylline-Responsive Riboswitch Regulates Expression of Nuclear-Encoded Genes. <i>Plant Physiology</i> , 2020, 182, 123-135.	2.3	18
12852	DRT111/SFPS Splicing Factor Controls Abscisic Acid Sensitivity during Seed Development and Germination. <i>Plant Physiology</i> , 2020, 183, 793-807.	2.3	11
12853	Biochemical and Genetic Analysis Identify CSLD3 as a beta-1,4-Glucan Synthase That Functions during Plant Cell Wall Synthesis. <i>Plant Cell</i> , 2020, 32, 1749-1767.	3.1	49
12854	Spatiotemporal Restriction of <i>FUSCA3</i> Expression by Class I BPCs Promotes Ovule Development and Coordinates Embryo and Endosperm Growth. <i>Plant Cell</i> , 2020, 32, 1886-1904.	3.1	35
12855	Functional Features of TREHALOSE-6-PHOSPHATE SYNTHASE1, an Essential Enzyme in Arabidopsis[OPEN]. <i>Plant Cell</i> , 2020, 32, 1949-1972.	3.1	69
12856	Wounding and Insect Feeding Trigger Two Independent MAPK Pathways with Distinct Regulation and Kinetics. <i>Plant Cell</i> , 2020, 32, 1988-2003.	3.1	61
12857	PIF1 and RVE1 form a transcriptional feedback loop to control light-mediated seed germination in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1372-1384.	4.1	27
12858	HSL2/VAL1 and HSL1/VAL2 function redundantly to repress <i>DOG1</i> expression in Arabidopsis seeds and seedlings. <i>New Phytologist</i> , 2020, 227, 840-856.	3.5	32
12859	<i>Arabidopsis thaliana</i> SURFEIT1-like genes link mitochondrial function to early plant development and hormonal growth responses. <i>Plant Journal</i> , 2020, 103, 690-704.	2.8	13
12860	Suppressor of Gamma Response 1 Modulates the DNA Damage Response and Oxidative Stress Response in Leaves of Cadmium-Exposed Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2020, 11, 366.	1.7	24
12861	DEAR4, a Member of DREB/CBF Family, Positively Regulates Leaf Senescence and Response to Multiple Stressors in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2020, 11, 367.	1.7	24
12862	Novel TTG1 Mutants Modify Root-Hair Pattern Formation in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 383.	1.7	19
12863	Cloning and Functional Characterization of a Flavonoid Transport-Related MATE Gene in Asiatic Hybrid Lilies (<i>Lilium</i> spp.). <i>Genes</i> , 2020, 11, 418.	1.0	7
12864	Comprehensive Analysis of Autophagy-Related Genes in Sweet Orange (<i>Citrus sinensis</i>) Highlights Their Roles in Response to Abiotic Stresses. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2699.	1.8	20

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12865	Identification and Characterization of microRNAs in the Developing Seed of Linseed Flax (<i>Linum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.8	15
12866	Heterologous Expression of a Glycine soja C2H2 Zinc Finger Gene Improves Aluminum Tolerance in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2754.	1.8	16
12867	In <i>Arabidopsis thaliana</i> Heterosis Level Varies among Individuals in an F1 Hybrid Population. <i>Plants</i> , 2020, 9, 414.	1.6	2
12868	Heterologous Expression of a Soybean Gene RR34 Conferred Improved Drought Resistance of Transgenic <i>Arabidopsis</i> . <i>Plants</i> , 2020, 9, 494.	1.6	5
12869	Expression of the subgroup IIIb bHLH transcription factor CpbHLH1 from <i>Chimonanthus praecox</i> (L.) in transgenic model plants inhibits anthocyanin accumulation. <i>Plant Cell Reports</i> , 2020, 39, 891-907.	2.8	34
12870	an3-Mediated Compensation Is Dependent on a Cell-Autonomous Mechanism in Leaf Epidermal Tissue. <i>Plant and Cell Physiology</i> , 2020, 61, 1181-1190.	1.5	7
12871	STRESS INDUCED FACTOR 2 Regulates <i>Arabidopsis</i> Stomatal Immunity through Phosphorylation of the Anion Channel SLAC1. <i>Plant Cell</i> , 2020, 32, 2216-2236.	3.1	28
12872	The histone methylation readers MRC1/MRC2 and the histone chaperones NRP1/NRP2 associate in fine-tuning <i>Arabidopsis</i> flowering time. <i>Plant Journal</i> , 2020, 103, 1010-1024.	2.8	13
12873	Genome-Wide Association Study and Genomic Prediction Elucidate the Distinct Genetic Architecture of Aluminum and Proton Tolerance in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 405.	1.7	18
12874	Protein Phosphatases Type 2C Group A Interact with and Regulate the Stability of ACC Synthase 7 in <i>Arabidopsis</i> . <i>Cells</i> , 2020, 9, 978.	1.8	31
12875	Cloning and Functional Analysis of BcMYB101 Gene Involved in Leaf Development in Pak Choi (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.8	9
12876	Characterization of <i>Rosa chinensis</i> CBF Genes and the Function of RcCBF6 in Cold Tolerance. <i>Journal of Plant Biology</i> , 2020, 63, 267-278.	0.9	2
12877	Improving drought-, salinity-, and heat-tolerance in transgenic plants by co-overexpressing <i>Arabidopsis</i> vacuolar pyrophosphatase gene AVP1 and <i>Larrea</i> Rubisco activase gene RCA. <i>Plant Science</i> , 2020, 296, 110499.	1.7	25
12878	The acid invertase gene family is involved in internode elongation in <i>Phyllostachys heterocycla</i> cv. pubescens. <i>Tree Physiology</i> , 2020, 40, 1217-1231.	1.4	13
12879	Rapid Single-Step Affinity Purification of HA-Tagged Plant Mitochondria. <i>Plant Physiology</i> , 2020, 182, 692-706.	2.3	30
12880	WRKY15 Suppresses Tracheary Element Differentiation Upstream of VND7 During Xylem Formation. <i>Plant Cell</i> , 2020, 32, 2307-2324.	3.1	36
12881	MiDaf16-like and MiSkn1-like gene families are reliable targets to develop biotechnological tools for the control and management of <i>Meloidogyne incognita</i> . <i>Scientific Reports</i> , 2020, 10, 6991.	1.6	18
12882	The Proline-Rich Family Protein EXTENSIN33 Is Required for Etiolated <i>Arabidopsis thaliana</i> Hypocotyl Growth. <i>Plant and Cell Physiology</i> , 2020, 61, 1191-1203.	1.5	7

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12883	Endosidin20 Targets the Cellulose Synthase Catalytic Domain to Inhibit Cellulose Biosynthesis. <i>Plant Cell</i> , 2020, 32, 2141-2157.	3.1	25
12884	Gametophyte-specific DEAD-box RNA helicase 29 is required for functional maturation of male and female gametophytes in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 4083-4092.	2.4	9
12885	Interactions between the N- and C-termini of the mechanosensitive ion channel <i>AtMSL10</i> are consistent with a three-step mechanism for activation. <i>Journal of Experimental Botany</i> , 2020, 71, 4020-4032.	2.4	24
12886	The transcription and export complex THO/TREX contributes to transcription termination in plants. <i>PLoS Genetics</i> , 2020, 16, e1008732.	1.5	11
12887	<i>Arabidopsis</i> RAD23B regulates pollen development by mediating degradation of KRP1. <i>Journal of Experimental Botany</i> , 2020, 71, 4010-4019.	2.4	10
12888	mTERF8, a Member of the Mitochondrial Transcription Termination Factor Family, Is Involved in the Transcription Termination of Chloroplast Gene <i>psbJ</i> . <i>Plant Physiology</i> , 2020, 182, 408-423.	2.3	19
12889	Ectopic Expression of a Pak-choi YABBY Gene, BcYAB3, Causes Leaf Curvature and Flowering Stage Delay in <i>Arabidopsis thaliana</i> . <i>Genes</i> , 2020, 11, 370.	1.0	14
12890	Seed-specific down-regulation of <i>Arabidopsis</i> CELLULOSE SYNTHASE 1 or 9 reduces seed cellulose content and differentially affects carbon partitioning. <i>Plant Cell Reports</i> , 2020, 39, 953-969.	2.8	4
12891	<i>Arabidopsis</i> FHY3 and FAR1 integrate light and strigolactone signaling to regulate branching. <i>Nature Communications</i> , 2020, 11, 1955.	5.8	91
12892	Nuclear-encoded synthesis of the D1 subunit of photosystem II increases photosynthetic efficiency and crop yield. <i>Nature Plants</i> , 2020, 6, 570-580.	4.7	122
12893	Functional analysis of the soybean gene GmTIR under biotic and abiotic stresses. <i>Crop and Pasture Science</i> , 2020, 71, 47.	0.7	0
12894	MpDGK2, a Novel Diacylglycerol Kinase from <i>Malus prunifolia</i> , Confers Drought Stress Tolerance in Transgenic <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2020, 38, 452-460.	1.0	9
12895	The Asymmetric Expression of SAUR Genes Mediated by ARF7/19 Promotes the Gravitropism and Phototropism of Plant Hypocotyls. <i>Cell Reports</i> , 2020, 31, 107529.	2.9	35
12896	Ectopic expression of <i>Chrysanthemum</i> CDM19 in <i>Arabidopsis</i> reveals a novel function in carpel development. <i>Electronic Journal of Biotechnology</i> , 2020, 45, 10-18.	1.2	3
12897	Genome-wide identification of expansin genes in <i>Brachypodium distachyon</i> and functional characterization of BdEXPA27. <i>Plant Science</i> , 2020, 296, 110490.	1.7	16
12898	A Positive Feedback Loop of BBX11-BBX21-HY5 Promotes Photomorphogenic Development in <i>Arabidopsis</i> . <i>Plant Communications</i> , 2020, 1, 100045.	3.6	39
12899	A key "foxy" aroma gene is regulated by homology-induced promoter indels in the iconic juice grape "Concord". <i>Horticulture Research</i> , 2020, 7, 67.	2.9	12
12900	Emerging crosstalk between two signaling pathways coordinates K ⁺ and Na ⁺ homeostasis in the halophyte <i>Hordeum brevisubulatum</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 4345-4358.	2.4	19

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12901	Overexpression of the 3-hydroxy-3-methylglutaryl-CoA synthase gene LcHMGS effectively increases the yield of monoterpenes and sesquiterpenes. <i>Tree Physiology</i> , 2020, 40, 1095-1107.	1.4	11
12902	Identification of Chloroplast Envelope Proteins with Critical Importance for Cold Acclimation. <i>Plant Physiology</i> , 2020, 182, 1239-1255.	2.3	33
12903	The BIR2/BIR3-Associated Phospholipase DÎ³1 Negatively Regulates Plant Immunity. <i>Plant Physiology</i> , 2020, 183, 371-384.	2.3	14
12904	ERdj3B-Mediated Quality Control Maintains Anther Development at High Temperatures. <i>Plant Physiology</i> , 2020, 182, 1979-1990.	2.3	19
12905	Class-I TCP Transcription Factors Activate the <i>SAUR63</i> Gene Subfamily in Gibberellin-Dependent Stamen Filament Elongation. <i>Plant Physiology</i> , 2020, 182, 2096-2110.	2.3	42
12906	Phototropin2 Contributes to the Chloroplast Avoidance Response at the Chloroplast-Plasma Membrane Interface. <i>Plant Physiology</i> , 2020, 183, 304-316.	2.3	17
12907	The Peptide Hormone Receptor CEPR1 Functions in the Reproductive Tissue to Control Seed Size and Yield. <i>Plant Physiology</i> , 2020, 183, 620-636.	2.3	17
12908	Rice <i>GERMIN-LIKE PROTEIN 2-1</i> Functions in Seed Dormancy under the Control of Abscisic Acid and Gibberellic Acid Signaling Pathways. <i>Plant Physiology</i> , 2020, 183, 1157-1170.	2.3	29
12909	<i>Bacillus cereus</i> AR156 triggers induced systemic resistance against <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000 by suppressing miR472 and activating CNLs-mediated basal immunity in <i>Arabidopsis</i>. <i>Molecular Plant Pathology</i> , 2020, 21, 854-870.	2.0	37
12910	The plant mobile domain proteins MAIN and MAIL1 interact with the phosphatase PP7L to regulate gene expression and silence transposable elements in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2020, 16, e1008324.	1.5	13
12911	<scp>SCHENGEN</scp> receptor module drives localized <scp>ROS</scp> production and lignification in plant roots. <i>EMBO Journal</i> , 2020, 39, e103894.	3.5	82
12912	Proxies of CRISPR/Cas9 Activity To Aid in the Identification of Mutagenized Arabidopsis Plants. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2033-2042.	0.8	8
12913	Transcriptomic and metabolomic analysis provides insights into anthocyanin and procyanidin accumulation in pear. <i>BMC Plant Biology</i> , 2020, 20, 129.	1.6	46
12914	The MAPK substrate MASS proteins regulate stomatal development in Arabidopsis. <i>PLoS Genetics</i> , 2020, 16, e1008706.	1.5	12
12915	Evolutionary and biochemical analyses reveal conservation of the Brassicaceae telomerase ribonucleoprotein complex. <i>PLoS ONE</i> , 2020, 15, e0222687.	1.1	10
12916	A Collection of Pre-mRNA Splicing Mutants in <i>Arabidopsis thaliana</i>. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1983-1996.	0.8	21
12917	A Versatile High Throughput Screening Platform for Plant Metabolic Engineering Highlights the Major Role of ABI3 in Lipid Metabolism Regulation. <i>Frontiers in Plant Science</i> , 2020, 11, 288.	1.7	12
12918	A Novel Sweetpotato WRKY Transcription Factor, IbWRKY2, Positively Regulates Drought and Salt Tolerance in Transgenic Arabidopsis. <i>Biomolecules</i> , 2020, 10, 506.	1.8	60

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12919	Genome-Wide Identification and Analysis of P-Type Plasma Membrane H ⁺ -ATPase Sub-Gene Family in Sunflower and the Role of HHA4 and HHA11 in the Development of Salt Stress Resistance. <i>Genes</i> , 2020, 11, 361.	1.0	9
12920	Expression of a NGATHA1 Gene from <i>Medicago truncatula</i> Delays Flowering Time and Enhances Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2384.	1.8	4
12921	Patatin-Related Phospholipase AtpPLAIII± Affects Lignification of Xylem in <i>Arabidopsis</i> and Hybrid Poplars. <i>Plants</i> , 2020, 9, 451.	1.6	12
12922	The Maize AP2/EREBP Transcription Factor ZmEREB160 Enhances Drought Tolerance in <i>Arabidopsis</i> . <i>Tropical Plant Biology</i> , 2020, 13, 251-261.	1.0	12
12923	Overexpression of grapevine WNAC08 enhances drought tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 151, 214-222.	2.8	20
12924	Phytonematode peptide effectors exploit a host post-translational trafficking mechanism to the ER using a novel translocation signal. <i>New Phytologist</i> , 2021, 229, 563-574.	3.5	24
12925	Overexpression of CfPIP1-1, CfPIP1-2, and CfPIP1-4 genes of <i>Catalpa fargesii</i> in transgenic <i>Arabidopsis thaliana</i> under drought stress. <i>Journal of Forestry Research</i> , 2021, 32, 285-296.	1.7	2
12926	Improving plant drought tolerance and growth under water limitation through combinatorial engineering of signalling networks. <i>Plant Biotechnology Journal</i> , 2021, 19, 74-86.	4.1	31
12927	<i>Populus euphratica</i> annexin1 facilitates cadmium enrichment in transgenic <i>Arabidopsis</i> . <i>Journal of Hazardous Materials</i> , 2021, 405, 124063.	6.5	17
12928	CLAVATA Signaling Ensures Reproductive Development in Plants across Thermal Environments. <i>Current Biology</i> , 2021, 31, 220-227.e5.	1.8	19
12929	Genome-wide identification of wheat (<i>Triticum aestivum</i> L.) expansin genes and functional characterization of TaEXPB1A. <i>Environmental and Experimental Botany</i> , 2021, 182, 104307.	2.0	10
12930	<i>Arabidopsis</i> MHP1, a homologue of yeast Mpo1, is involved in ABA signaling. <i>Plant Science</i> , 2021, 304, 110732.	1.7	8
12931	SCF ^{SNIPER7} controls protein turnover of unfoldase CDC48A to promote plant immunity. <i>New Phytologist</i> , 2021, 229, 2795-2811.	3.5	13
12932	Wild soybean SNARE proteins BET1s mediate the subcellular localization of the cytoplasmic receptor-like kinases CRCK1s to modulate salt stress responses. <i>Plant Journal</i> , 2021, 105, 771-785.	2.8	10
12933	Identification and characterization of a natural SNP variant in ALTERNATIVE OXIDASE gene associated with cold stress tolerance in watermelon. <i>Plant Science</i> , 2021, 304, 110735.	1.7	7
12934	GmNAC06, a NAC domain transcription factor enhances salt stress tolerance in soybean. <i>Plant Molecular Biology</i> , 2021, 105, 333-345.	2.0	106
12935	Beyond flowering time: diverse roles of an APETALA2-like transcription factor in shoot architecture and perennial traits. <i>New Phytologist</i> , 2021, 229, 444-459.	3.5	11
12936	ABNORMAL SHOOT 6 interacts with KATANIN 1 and SHADE AVOIDANCE 4 to promote cortical microtubule severing and ordering in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 646-661.	4.1	25

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12937	Targeted plant hologenome editing for plant trait enhancement. <i>New Phytologist</i> , 2021, 229, 1067-1077.	3.5	25
12938	A 1.7â€Mb chromosomal inversion downstream of a <i>PpOFF1</i> gene is responsible for flat fruit shape in peach. <i>Plant Biotechnology Journal</i> , 2021, 19, 192-205.	4.1	44
12939	High-resolution temporal dynamic transcriptome landscape reveals a <i>GhCAL</i> -mediated flowering regulatory pathway in cotton (<i>Gossypium hirsutum</i> L.). <i>Plant Biotechnology Journal</i> , 2021, 19, 153-166.	4.1	27
12940	<i>Arabidopsis</i> seedling establishment under waterlogging requires ABCG5-mediated formation of a dense cuticle layer. <i>New Phytologist</i> , 2021, 229, 156-172.	3.5	33
12941	The <i>Arabidopsis</i> sucrose non-fermenting-1-related protein kinase AtSnRK2.4 interacts with a transcription factor, AtMYB21, that is involved in salt tolerance. <i>Plant Science</i> , 2021, 303, 110685.	1.7	14
12942	<i>HbWRKY82</i> , a novel <i>WRKY</i> transcription factor from <i>Hevea brasiliensis</i> associated with abiotic stress tolerance and leaf senescence in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2021, 171, 151-160.	2.6	21
12943	CAX3 (cation/proton exchanger) mediates a Cd tolerance by decreasing ROS through Ca elevation in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2021, 105, 115-132.	2.0	25
12944	Overexpression of MdPHR1 Enhanced Tolerance to Phosphorus Deficiency by Increasing MdPAP10 Transcription in Apple (<i>Malus domestica</i>). <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1753-1763.	2.8	3
12945	Overexpression of a phosphate transporter gene ZmPt9 from maize influences growth of transgenic <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2021, 558, 196-201.	1.0	3
12946	Dissecting Contrasts in Cell Death, Hormone, and Defense Signaling in Response to <i>Botrytis cinerea</i> and Reactive Oxygen Species. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 75-87.	1.4	7
12947	Mapping sites of gibberellin biosynthesis in the <i>Arabidopsis</i> root tip. <i>New Phytologist</i> , 2021, 229, 1521-1534.	3.5	34
12948	A <i>HY5</i> - <i>COL3</i> - <i>COL13</i> regulatory chain for controlling hypocotyl elongation in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2021, 44, 130-142.	2.8	14
12949	Overexpression of Rice Genes OsNRT1.1A and OsNRT1.1B Restores Chlorate Uptake and NRT2.1/NAR2.1 Expression in <i>Arabidopsis thaliana</i> chl1-5 Mutant. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1701-1713.	2.8	2
12950	Endogenous indole-3-acetamide levels contribute to the crosstalk between auxin and abscisic acid, and trigger plant stress responses in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 459-475.	2.4	28
12951	An OsNAM gene plays important role in root rhizobacteria interaction in transgenic <i>Arabidopsis</i> through abiotic stress and phytohormone crosstalk. <i>Plant Cell Reports</i> , 2021, 40, 143-155.	2.8	23
12952	Tomato BZR/BES transcription factor SIBZR1 positively regulates BR signaling and salt stress tolerance in tomato and <i>Arabidopsis</i> . <i>Plant Science</i> , 2021, 302, 110719.	1.7	40
12953	Three AP2/ERF family members modulate flavonoid synthesis by regulating type IV chalcone isomerase in citrus. <i>Plant Biotechnology Journal</i> , 2021, 19, 671-688.	4.1	99
12954	The TaCslA12 gene expressed in the wheat grain endosperm synthesizes wheat-like mannan when expressed in yeast and <i>Arabidopsis</i> . <i>Plant Science</i> , 2021, 302, 110693.	1.7	8

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12955	Sand-Wounding of Shoot and Petiole Explants Enhances Transformation Efficiency in Sugar Beet (<i>Beta</i>) Tj ETQq0 0,0rgBT /Oyerglock 10	0.9	3
12956	ANNEXIN 8 negatively regulates RPW8.1-mediated cell death and disease resistance in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 378-392.	4.1	17
12957	<i>Arabidopsis</i> AZG2 transports cytokinins <i>in vivo</i> and regulates lateral root emergence. <i>New Phytologist</i> , 2021, 229, 979-993.	3.5	36
12958	A maize calcineurin B-like interacting protein kinase ZmCIPK42 confers salt stress tolerance. <i>Physiologia Plantarum</i> , 2021, 171, 161-172.	2.6	16
12959	Apple <i>BT2</i> protein negatively regulates jasmonic acid-triggered leaf senescence by modulating the stability of <i>MYC2</i> and <i>JAZ2</i> . <i>Plant, Cell and Environment</i> , 2021, 44, 216-233.	2.8	30
12960	HbCOI1 perceives jasmonate to trigger signal transduction in <i>Hevea brasiliensis</i> . <i>Tree Physiology</i> , 2021, 41, 460-471.	1.4	7
12961	PYL8 ABA receptors of <i>Phoenix dactylifera</i> play a crucial role in response to abiotic stress and are stabilized by ABA. <i>Journal of Experimental Botany</i> , 2021, 72, 757-774.	2.4	10
12962	The <i>Arabidopsis</i> zinc finger proteins SRG2 and SRG3 are positive regulators of plant immunity and are differentially regulated by nitric oxide. <i>New Phytologist</i> , 2021, 230, 259-274.	3.5	12
12963	Functional characterization and expression profiling of glyoxalase <i>III</i> genes in date palm grown under abiotic stresses. <i>Physiologia Plantarum</i> , 2021, 172, 780-794.	2.6	9
12964	Expression of a Brassica napus metal transport protein (BnMTP3) in <i>Arabidopsis thaliana</i> confers tolerance to Zn and Mn. <i>Plant Science</i> , 2021, 304, 110754.	1.7	20
12965	The <i>Arabidopsis</i> small G-protein AtRAN1 is a positive regulator in chitin-induced stomatal closure and disease resistance. <i>Molecular Plant Pathology</i> , 2021, 22, 92-107.	2.0	8
12966	The FvCYP714C2 gene plays an important role in gibberellin synthesis in the woodland strawberry. <i>Genes and Genomics</i> , 2021, 43, 11-16.	0.5	5
12967	Developmental roles of Auxin Binding Protein 1 in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2021, 303, 110750.	1.7	26
12968	Glutaredoxin like protein (RtGRL1) regulates H ₂ O ₂ and Na ⁺ accumulation by maintaining the glutathione pool during abiotic stress. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 135-147.	2.8	13
12969	Silencing of <i>FOREVER YOUNG FLOWER</i> -Like Genes from <i>Phalaenopsis</i> Orchids Promotes Flower Senescence and Abscission. <i>Plant and Cell Physiology</i> , 2021, 62, 111-124.	1.5	8
12970	Ecotopic overexpression of <i>PoCHS</i> from <i>Paeonia ostii</i> altered the fatty acids composition and content in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2021, 172, 64-76.	2.6	2
12971	A soybean calcineurin B-like protein-interacting protein kinase, GmPKS4, regulates plant responses to salt and alkali stresses. <i>Journal of Plant Physiology</i> , 2021, 256, 153331.	1.6	27
12972	Combining quantitative trait locus and co-expression analysis allowed identification of new candidates for oil accumulation in rapeseed. <i>Journal of Experimental Botany</i> , 2021, 72, 1649-1660.	2.4	12

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12973	TCP5 controls leaf margin development by regulating KNOX and BEL-like transcription factors in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 1809-1821.	2.4	26
12974	The transcriptional repressors VAL1 and VAL2 recruit PRC2 for genome-wide Polycomb silencing in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2021, 49, 98-113.	6.5	50
12975	Expression of the <i>Medicago truncatula</i> MtDof32 transcription factor regulates plant growth and enhances abiotic stress tolerances in transgenic <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2021, 183, 104339.	2.0	10
12976	The NPR1-WRKY46-WRKY6 signaling cascade mediates probenazole/salicylic acid-elicited leaf senescence in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 924-936.	4.1	30
12977	The PalWRKY77 transcription factor negatively regulates salt tolerance and abscisic acid signaling in <i>Populus</i> . <i>Plant Journal</i> , 2021, 105, 1258-1273.	2.8	49
12978	A Luciferase Reporter Assay to Identify Chemical Activators of ABA Signaling. <i>Methods in Molecular Biology</i> , 2021, 2213, 113-121.	0.4	2
12979	A cotton WAKL protein interacted with a DnaJ protein and was involved in defense against <i>Verticillium dahliae</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 167, 633-643.	3.6	38
12980	Histone H3 lysine4 trimethylation-regulated GRF11 expression is essential for the iron-deficiency response in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 230, 244-258.	3.5	12
12981	Pear metal transport protein PbMTP8.1 confers manganese tolerance when expressed in yeast and <i>Arabidopsis thaliana</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111687.	2.9	9
12982	Ectopic expression of human apolipoprotein D in <i>Arabidopsis</i> plants lacking chloroplastic lipocalin partially rescues sensitivity to drought and oxidative stress. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 265-274.	2.8	6
12983	CrUGT87A1, a UDP-sugar glycosyltransferases (UGTs) gene from <i>Carex rigescens</i> , increases salt tolerance by accumulating flavonoids for antioxidation in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 159, 28-36.	2.8	33
12984	Fluorescent protein-based imaging and tissue-specific RNA-seq analysis of <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 1260-1270.	2.4	8
12985	An S-ribonuclease binding protein EBS1 and brassinolide signaling are specifically required for <i>Arabidopsis</i> tolerance to bicarbonate. <i>Journal of Experimental Botany</i> , 2021, 72, 1449-1459.	2.4	17
12986	Functional requirement of the <i>Arabidopsis</i> importin nuclear transport receptor family in autoimmunity mediated by the NLR protein SNC1. <i>Plant Journal</i> , 2021, 105, 994-1009.	2.8	20
12987	The <i>Arabidopsis</i> AGC kinases NDR2/4/5 interact with MOB1A/1B and play important roles in pollen development and germination. <i>Plant Journal</i> , 2021, 105, 1035-1052.	2.8	9
12988	<i>Arabidopsis</i> immune-associated nucleotide-binding genes repress heat tolerance at the reproductive stage by inhibiting the unfolded protein response and promoting cell death. <i>Molecular Plant</i> , 2021, 14, 267-284.	3.9	15
12989	A Novel Role of Salt- and Drought-Induced RING 1 Protein in Modulating Plant Defense Against Hemibiotrophic and Necrotrophic Pathogens. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 297-308.	1.4	9
12990	<i>TaPUB15</i> , a U-box E3 ubiquitin ligase gene from wheat, enhances salt tolerance in rice. <i>Food and Energy Security</i> , 2021, 10, e250.	2.0	14

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12992	High-efficiency genome editing in plants mediated by a Cas9 gene containing multiple introns. <i>Plant Communications</i> , 2021, 2, 100135.	3.6	73
12993	The SNL-HDA19 histone deacetylase complex antagonizes HY5 activity to repress photomorphogenesis in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2021, 229, 3221-3236.	3.5	24
12994	Evolution of AITR family genes in cotton and their functions in abiotic stress tolerance. <i>Plant Biology</i> , 2021, 23 Suppl 1, 58-68.	1.8	8
12995	LhGST is an anthocyanin-related glutathione S-transferase gene in Asiatic hybrid lilies (<i>Lilium</i> spp.). <i>Plant Cell Reports</i> , 2021, 40, 85-95.	2.8	27
12996	A network of transcriptional repressors modulates auxin responses. <i>Nature</i> , 2021, 589, 116-119.	13.7	56
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12998	GmAKT1 is involved in K ⁺ uptake and Na ⁺ /K ⁺ homeostasis in <i>Arabidopsis</i> and soybean plants. <i>Plant Science</i> , 2021, 304, 110736.	1.7	21
12999	Expression of Tomato UVR8 in <i>Arabidopsis</i> reveals conserved photoreceptor function. <i>Plant Science</i> , 2021, 303, 110766.	1.7	4
13000	A novel zinc transporter essential for <i>Arabidopsis</i> zinc and iron-dependent growth. <i>Journal of Plant Physiology</i> , 2021, 256, 153296.	1.6	7
13001	The transcription factor WRKY75 positively regulates jasmonate-mediated plant defense to necrotrophic fungal pathogens. <i>Journal of Experimental Botany</i> , 2021, 72, 1473-1489.	2.4	58
13002	In Planta Monitoring of Cold-Responsive Promoter Activity Reveals a Distinctive Photoperiodic Response in Cold Acclimation. <i>Plant and Cell Physiology</i> , 2021, 62, 43-52.	1.5	5
13003	A PHABULOSA-Controlled Genetic Pathway Regulates Ground Tissue Patterning in the <i>Arabidopsis</i> Root. <i>Current Biology</i> , 2021, 31, 420-426.e6.	1.8	19
13004	An SHR-SCR module specifies legume cortical cell fate to enable nodulation. <i>Nature</i> , 2021, 589, 586-590.	13.7	97
13005	Degree of Functional Divergence in Duplicates Is Associated with Distinct Roles in Plant Evolution. <i>Molecular Biology and Evolution</i> , 2021, 38, 1447-1459.	3.5	17
13006	A novel protein complex that regulates active DNA demethylation in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 772-786.	4.1	16
13007	Induction of jasmonic acid biosynthetic genes inhibits <i>Arabidopsis</i> growth in response to low boron. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 937-948.	4.1	19
13008	The intracellular ROS accumulation in elicitor-induced immunity requires the multiple organelle-targeted <i>Arabidopsis</i> NPK1-related protein kinases. <i>Plant, Cell and Environment</i> , 2021, 44, 931-947.	2.8	11

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13010	SPX4 interacts with both PHR1 and PAP1 to regulate critical steps in phosphorus-status-dependent anthocyanin biosynthesis. <i>New Phytologist</i> , 2021, 230, 205-217.	3.5	65
13011	Loss of <i>Arabidopsis</i> matrix metalloproteinase 5 affects root development and root bacterial communities during drought stress. <i>Physiologia Plantarum</i> , 2021, 172, 1045-1058.	2.6	8
13012	Histone methyltransferase ATX1 dynamically regulates fiber secondary cell wall biosynthesis in <i>Arabidopsis</i> inflorescence stem. <i>Nucleic Acids Research</i> , 2021, 49, 190-205.	6.5	15
13013	Distance-based measurement determines the coexistence of B protein hetero- and homodimers in lily tepal and stamen tetrameric complexes. <i>Plant Journal</i> , 2021, 105, 1357-1373.	2.8	6
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13022	Analysis of β -glucan biosynthetic genes in oat reveals glucan synthesis regulation by light. <i>Annals of Botany</i> , 2021, 127, 371-380.	1.4	8
13023	An <i>Arabidopsis</i> downy mildew non-RxLR effector suppresses induced plant cell death to promote biotroph infection. <i>Journal of Experimental Botany</i> , 2021, 72, 718-732.	2.4	3
13024	Multi-analysis of sheath senescence provides new insights into bamboo shoot development at the fast growth stage. <i>Tree Physiology</i> , 2021, 41, 491-507.	1.4	13
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13026	Seed-specific activity of the <i>Arabidopsis</i> β -glucosidase 19 promoter in transgenic <i>Arabidopsis</i> and tobacco. <i>Plant Cell Reports</i> , 2021, 40, 213-221.	2.8	8

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13031	The lotus NnFTIP1 and NnFT1 regulate flowering time in Arabidopsis. <i>Plant Science</i> , 2021, 302, 110677.	1.7	7
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13040	<i>R2R3-MYB</i> genes control petal pigmentation patterning in <i>Clarkia gracilis</i> ssp. <i>sonomensis</i> (Onagraceae). <i>New Phytologist</i> , 2021, 229, 1147-1162.	3.5	29
13041	Overexpression of ThMYB8 mediates salt stress tolerance by directly activating stress-responsive gene expression. <i>Plant Science</i> , 2021, 302, 110668.	1.7	24
13042	Role of <i>Glycine max</i> ABSCISIC ACID INSENSITIVE 3 (GmABI3) in lipid biosynthesis and stress tolerance in soybean. <i>Functional Plant Biology</i> , 2021, 48, 171.	1.1	16
13043	Class I TCP proteins TCP14 and TCP15 are required for elongation and gene expression responses to auxin. <i>Plant Molecular Biology</i> , 2021, 105, 147-159.	2.0	31
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13054	The tea plant <i>CsWRKY26</i> promotes drought tolerance in transgenic <i>Arabidopsis</i> plants. <i>Beverage Plant Research</i> , 2021, 1, 1-11.	0.6	10
13055	Whole-genome characterization of <i>Rosa chinensis</i> AP2/ERF transcription factors and analysis of negative regulator RcdREB2B in <i>Arabidopsis</i> . <i>BMC Genomics</i> , 2021, 22, 90.	1.2	15
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13059	Expressing Phosphate Transporter PvPht2;1 Enhances P Transport to the Chloroplasts and Increases Arsenic Tolerance in <i>Arabidopsis thaliana</i> . <i>Environmental Science & Technology</i> , 2021, 55, 2276-2284.	4.6	13
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13061	MicroRNA775 regulates intrinsic leaf size and reduces cell wall pectin levels by targeting a galactosyltransferase gene in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2021, 33, 581-602.	3.1	22
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13063	Agrobacterium-mediated transformation of plants. , 2021, , 171-193.		0
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13086	Expression of the SHO Gene Under Control of a Stress-Specific Promoter RRTF1 Improves Salt Tolerance in Arabidopsis. <i>Plant Molecular Biology Reporter</i> , 2021, 39, 617.	1.0	0
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13095	A natural antisense transcript acts as a negative regulator for the maize drought stress response gene <i>ZmNAC48</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 2790-2806.	2.4	28
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13106	The acyltransferase PMAT1 malonylates brassinolide glucoside. <i>Journal of Biological Chemistry</i> , 2021, 296, 100424.	1.6	4
13107	Isolation and molecular characterization of MYB60 in <i>Solanum lycopersicum</i> . <i>Molecular Biology Reports</i> , 2021, 48, 1579-1587.	1.0	5
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13118	The gravistimulation-induced very slow Ca ²⁺ increase in Arabidopsis seedlings requires MCA1, a Ca ²⁺ -permeable mechanosensitive channel. Scientific Reports, 2021, 11, 227.	1.6	12
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13128	Tuning drought resistance by using a root-specific expression transcription factor PdNF-YB21 in <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 379-391.	1.2	1
13129	JASMONATE RESISTANT 1 negatively regulates root growth under boron deficiency in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 3108-3121.	2.4	14
13130	The Pentatricopeptide Repeat Protein MEF100 Is Required for the Editing of Four Mitochondrial Editing Sites in <i>Arabidopsis</i> . <i>Cells</i> , 2021, 10, 468.	1.8	4
13131	The <i>Arabidopsis thaliana</i> Class II Formin FH13 Modulates Pollen Tube Growth. <i>Frontiers in Plant Science</i> , 2021, 12, 599961.	1.7	10
13132	Production of C6–C14 Medium-Chain Fatty Acids in Seeds and Leaves via Overexpression of Single Hotdog-Fold Acyl-Lipid Thioesterases. <i>Lipids</i> , 2021, 56, 327-344.	0.7	4
13133	Induced mutagenesis in wheat: from ionizing radiation to site-specific gene editing. <i>Fiziologia Rastenij i Genetika</i> , 2021, 53, 29-54.	0.1	1
13134	Resolving diurnal dynamics of the chloroplastic glutathione redox state in <i>Arabidopsis</i> reveals its photosynthetically derived oxidation. <i>Plant Cell</i> , 2021, 33, 1828-1844.	3.1	23
13135	Analysis of formin functions during cytokinesis using specific inhibitor SMIFH2. <i>Plant Physiology</i> , 2021, 186, 945-963.	2.3	10
13136	An ICLN homolog contributes to osmotic and low-nitrate tolerance by enhancing nitrate accumulation in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2021, 44, 1580-1595.	2.8	5
13137	Analysis of <i>sticky generative cell</i> mutants reveals that suppression of callose deposition in the generative cell is necessary for generative cell internalization and differentiation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021, 106, 228-244.	2.8	5
13138	Insights into the Transcriptional Regulation of Branching Hormonal Signaling Pathways Genes under Drought Stress in <i>Arabidopsis</i> . <i>Genes</i> , 2021, 12, 298.	1.0	6
13139	The Cytokinin Status of the Epidermis Regulates Aspects of Vegetative and Reproductive Development in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 613488.	1.7	22
13140	Prospects for Reengineering <i>Agrobacterium tumefaciens</i> for T-DNA Delivery to Chloroplasts. <i>Plant Physiology</i> , 2021, 186, 215-220.	2.3	3
13141	Regulation of growth in peach roots by exogenous hydrogen sulfide based on RNA-Seq. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 179-192.	2.8	26
13142	A novel WEE1 pathway for replication stress responses. <i>Nature Plants</i> , 2021, 7, 209-218.	4.7	24
13143	Octaketide Synthase from <i>Polygonum cuspidatum</i> Implements Emodin Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2021, 62, 424-435.	1.5	2
13144	Perception of the pathogen-induced peptide RGF7 by the receptor-like kinases RGI4 and RGI5 triggers innate immunity in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 230, 1110-1125.	3.5	27
13145	Large-fragment insertion activates gene <i>GaFZ</i> (<i>Ga08G0121</i>) and is associated with the fuzz and trichome reduction in cotton (<i>Gossypium arboreum</i>). <i>Plant Biotechnology Journal</i> , 2021, 19, 1110-1124.	4.1	17

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13146	Two Expansin Genes, AtEXPA4 and AtEXPB5, Are Redundantly Required for Pollen Tube Growth and AtEXPA4 Is Involved in Primary Root Elongation in <i>Arabidopsis thaliana</i> . <i>Genes</i> , 2021, 12, 249.	1.0	29
13147	ERECTA signaling regulates plant immune responses via chromatin-mediated promotion of WRKY33 binding to target genes. <i>New Phytologist</i> , 2021, 230, 737-756.	3.5	20
13151	Protein complex formation in methionine chain-elongation and leucine biosynthesis. <i>Scientific Reports</i> , 2021, 11, 3524.	1.6	0
13152	Single Amino Acid Exchange in ACTIN2 Confers Increased Tolerance to Oxidative Stress in <i>Arabidopsis thaliana</i> der1 Mutant. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1879.	1.8	8
13153	Two Cyc2CL transcripts (Cyc2CL-1 and Cyc2CL-2) may play key roles in the petal and stamen development of ray florets in <i>chrysanthemum</i> . <i>BMC Plant Biology</i> , 2021, 21, 105.	1.6	6
13154	IAA3-mediated repression of PIF proteins coordinates light and auxin signaling in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2021, 17, e1009384.	1.5	16
13155	Plant egg cell fate determination depends on its exact position in female gametophyte. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
13156	Transcription Factor NAC075 Delays Leaf Senescence by Deterring Reactive Oxygen Species Accumulation in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 634040.	1.7	20
13157	Mitochondrial Small Heat Shock Proteins Are Essential for Normal Growth of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 600426.	1.7	11
13158	GmIDD Is Induced by Short Days in Soybean and May Accelerate Flowering When Overexpressed in <i>Arabidopsis thaliana</i> via Inhibiting AGAMOUS-LIKE 18. <i>Frontiers in Plant Science</i> , 2021, 12, 629069.	1.7	2
13159	<i>Arabidopsis thaliana</i> Mitochondrial Transcription Termination Factor mTERF2 Promotes Splicing of Group IIB Introns. <i>Cells</i> , 2021, 10, 315.	1.8	15
13161	JMJ17 WRKY40 and HY5 ABI5 modules regulate the expression of ABA-responsive genes in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 230, 567-584.	3.5	54
13162	GNOM-dependent endocytosis maintains polar localisation of the borate exporter BOR1 in <i>Arabidopsis thaliana</i> . <i>Biology of the Cell</i> , 2021, 113, 264-269.	0.7	6
13164	<i>Arabidopsis thaliana</i> QWRF1 and QWRF2 Redundantly Modulate Cortical Microtubule Arrangement in Floral Organ Growth and Fertility. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 634218.	1.8	4
13165	A Novel Protein from <i>Ectocarpus</i> sp. Improves Salinity and High Temperature Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1971.	1.8	4
13166	Characterization of ALBA Family Expression and Localization in <i>Arabidopsis thaliana</i> Generative Organs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1652.	1.8	6
13167	Gamma carbonic anhydrases are subunits of the mitochondrial complex I of diatoms. <i>Molecular Microbiology</i> , 2021, 116, 109-125.	1.2	11
13169	Ca ²⁺ -Dependent Protein Kinase 6 Enhances KAT2 Shaker Channel Activity in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1596.	1.8	1

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13170	A novel UDP-glycosyltransferase 91C1 confers specific herbicide resistance through detoxification reaction in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 159, 226-233.	2.8	20
13171	Heat shock protein 101 (HSP101) promotes flowering under nonstress conditions. <i>Plant Physiology</i> , 2021, 186, 407-419.	2.3	11
13173	Two <i>ATAF</i> transcription factors <i>ANAC102</i> and <i>ATAF1</i> contribute to the suppression of cytochrome <i>P450</i> -mediated brassinosteroid catabolism in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2021, 172, 1493-1505.	2.6	10
13174	Genome-wide association studies provide insights into the genetic determination of fruit traits of pear. <i>Nature Communications</i> , 2021, 12, 1144.	5.8	44
13175	Rational design and testing of abiotic stress-inducible synthetic promoters from poplar <i>cis</i> -regulatory elements. <i>Plant Biotechnology Journal</i> , 2021, 19, 1354-1369.	4.1	27
13176	Dual roles of the serine/arginine-rich splicing factor SR45a in promoting and interacting with nuclear cap-binding complex to modulate the salt stress response in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2021, 230, 641-655.	3.5	41
13177	ATM controls meiotic DNA double-strand break formation and recombination and affects synaptonemal complex organization in plants. <i>Plant Cell</i> , 2021, 33, 1633-1656.	3.1	33
13178	Polycomb Repressive Complex 2 and KRYPTONITE regulate pathogen-induced programmed cell death in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2021, 185, 2003-2021.	2.3	15
13179	Redundant and specific roles of individual MIR172 genes in plant development. <i>PLoS Biology</i> , 2021, 19, e3001044.	2.6	55
13180	A constitutively monomeric UVR8 photoreceptor confers enhanced UV-B photomorphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
13181	Function of the HYDROXYCINNAMOYL-CoA:SHIKIMATE HYDROXYCINNAMOYL TRANSFERASE is evolutionarily conserved in embryophytes. <i>Plant Cell</i> , 2021, 33, 1472-1491.	3.1	45
13182	Molecular characterization, expression and functional analysis of acyl-CoA-binding protein gene family in maize (<i>Zea mays</i>). <i>BMC Plant Biology</i> , 2021, 21, 94.	1.6	12
13183	AtFUT4 and AtFUT6 Are Arabinofuranose-Specific Fucosyltransferases. <i>Frontiers in Plant Science</i> , 2021, 12, 589518.	1.7	8
13184	Function of histone H2B monoubiquitination in transcriptional regulation of auxin biosynthesis in <i>Arabidopsis</i> . <i>Communications Biology</i> , 2021, 4, 206.	2.0	8
13185	Immunopurification of Mitochondria from <i>Arabidopsis</i> . <i>Current Protocols</i> , 2021, 1, e34.	1.3	0
13188	Ectopic maltase alleviates dwarf phenotype and improves plant frost tolerance of maltose transporter mutants. <i>Plant Physiology</i> , 2021, 186, 315-329.	2.3	5
13189	Gene dosage compensation of rRNA transcript levels in <i>Arabidopsis thaliana</i> lines with reduced ribosomal gene copy number. <i>Plant Cell</i> , 2021, 33, 1135-1150.	3.1	28
13190	Stem integrity in <i>Arabidopsis thaliana</i> requires a load-bearing epidermis. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	9

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13191	Variation of <i>PHT</i> families adapts salt cress to phosphate limitation under salinity. <i>Plant, Cell and Environment</i> , 2021, 44, 1549-1564.	2.8	13
13192	Overexpression of <i>WssgtL3.1</i> gene from <i>Withania somnifera</i> confers salt stress tolerance in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2021, 40, 2191-2204.	2.8	12
13193	Plant drought tolerance provided through genome editing of the trehalase gene. <i>Plant Signaling and Behavior</i> , 2021, 16, 1877005.	1.2	19
13194	Development of the Middle Layer in the Anther of <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 634114.	1.7	14
13195	The <i>Arabidopsis</i> SNARE VAMP714 is essential for polarisation of PIN proteins and auxin responses. <i>New Phytologist</i> , 2021, 230, 550-566.	3.5	10
13197	The geometry of the compound leaf plays a significant role in the leaf movement of <i>Medicago truncatula</i> modulated by <i>mtdwarf4a</i> . <i>New Phytologist</i> , 2021, 230, 475-484.	3.5	7
13199	COPII genes <i>SEC31A</i> and <i>B</i> are essential for gametogenesis and interchangeable in pollen development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021, 105, 1600-1614.	2.8	13
13200	Interaction of BTB-TAZ protein <i>MdBT2</i> and DELLA protein <i>MdRGL3a</i> regulates nitrate-mediated plant growth. <i>Plant Physiology</i> , 2021, 186, 750-766.	2.3	6
13202	Plant-Specific <i>AtS40.4</i> Acts as a Negative Regulator in Abscisic Acid Signaling During Seed Germination and Seedling Growth in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 622201.	1.7	7
13203	Syntaxin of plants31 (<i>SYP31</i>) and <i>SYP32</i> is essential for Golgi morphology maintenance and pollen development. <i>Plant Physiology</i> , 2021, 186, 330-343.	2.3	15
13206	Heritable gene editing using FT mobile guide RNAs and DNA viruses. <i>Plant Methods</i> , 2021, 17, 20.	1.9	36
13207	SVP-like gene <i>PavSVP</i> potentially suppressing flowering with <i>PavSEP</i> , <i>PavAP1</i> , and <i>PavJONITLESS</i> in sweet cherries (<i>Prunus avium</i> L.). <i>Plant Physiology and Biochemistry</i> , 2021, 159, 277-284.	2.8	20
13208	Dual function of <i>VWRKY18</i> transcription factor in the γ -aminobutyric acid-activated priming defense in grapes. <i>Physiologia Plantarum</i> , 2021, 172, 1477-1492.	2.6	12
13209	Brassinosteroids repress the seed maturation program during the seed-to-seedling transition. <i>Plant Physiology</i> , 2021, 186, 534-548.	2.3	14
13210	<i>LWRKY39</i> is involved in thermotolerance by activating <i>LIMBF1c</i> and interacting with <i>LlCaM3</i> in lily (<i>Lilium longiflorum</i>). <i>Horticulture Research</i> , 2021, 8, 36.	2.9	42
13211	Conserved Residues in the C-Terminal Domain Affect the Structure and Function of <i>CYP38</i> in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 630644.	1.7	3
13212	Golgi-localized membrane protein <i>AtTMN1/EMP12</i> functions in the deposition of rhamnogalacturonan II and I for cell growth in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 3611-3629.	2.4	6
13213	Organic nitrogen nutrition: <i>LHT1.2</i> protein from hybrid aspen (<i>Populus tremula</i> L. x <i>tremuloides</i>) Tj ETQq1 1 0.784314 rgBT / Over 2021, 41, 1479-1496.	1.4	9

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13215	Systematic analyses of the MIR172 family members of Arabidopsis define their distinct roles in regulation of APETALA2 during floral transition. <i>PLoS Biology</i> , 2021, 19, e3001043.	2.6	44
13216	Two B-box domain proteins, BBX28 and BBX29, regulate flowering time at low ambient temperature in Arabidopsis. <i>Plant Molecular Biology</i> , 2021, 106, 21-32.	2.0	17
13217	The Arabidopsis condensin CAPâ€š subunits arrange interphase chromatin. <i>New Phytologist</i> , 2021, 230, 972-987.	3.5	9
13218	Dissecting the transcriptional regulation of proanthocyanidin and anthocyanin biosynthesis in soybean (<i>Glycine max</i>). <i>Plant Biotechnology Journal</i> , 2021, 19, 1429-1442.	4.1	30
13219	An <scp>amiRNA</scp> screen uncovers redundant <scp>CBF</scp> and <scp>ERF34</scp>/35 transcription factors that differentially regulate arsenite and cadmium responses. <i>Plant, Cell and Environment</i> , 2021, 44, 1692-1706.	2.8	19
13220	Identification of cassava alternative splicing-related genes and functional characterization of MeSCL30 involvement in drought stress. <i>Plant Physiology and Biochemistry</i> , 2021, 160, 130-142.	2.8	14
13221	Lewis A Glycans Are Present on Proteins Involved in Cell Wall Biosynthesis and Appear Evolutionarily Conserved Among Natural Arabidopsis thaliana Accessions. <i>Frontiers in Plant Science</i> , 2021, 12, 630891.	1.7	14
13223	Tartary Buckwheat (<i>Fagopyrum tataricum</i>) NAC Transcription Factors FtNAC16 Negatively Regulates of Pod Cracking and Salinity Tolerant in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3197.	1.8	11
13225	Genome-wide characterization and analysis of bHLH transcription factors related to anthocyanin biosynthesis in spine grapes (<i>Vitis davidii</i>). <i>Scientific Reports</i> , 2021, 11, 6863.	1.6	29
13226	Polyploidy-associated paramutation in Arabidopsis is determined by small RNAs, temperature, and allele structure. <i>PLoS Genetics</i> , 2021, 17, e1009444.	1.5	10
13228	A simple method for <i>in planta</i> tomato transformation by inoculating floral buds with a sticky <i>Agrobacterium tumefaciens</i> suspension. <i>Plant Biotechnology</i> , 2021, 38, 153-156.	0.5	5
13231	Enhancerâ€šmediated reporter gene expression in <i>Arabidopsis thaliana</i>: a forward genetic screen. <i>Plant Journal</i> , 2021, 106, 661-671.	2.8	4
13233	Spatially Restricted Immune Responses Are Required for Maintaining Root Meristematic Activity upon Detection of Bacteria. <i>Current Biology</i> , 2021, 31, 1012-1028.e7.	1.8	46
13234	Overexpression of DUF538 from Wild Arachis Enhances Plant Resistance to Meloidogyne spp.. <i>Agronomy</i> , 2021, 11, 559.	1.3	6
13236	Distinct plastid fructose bisphosphate aldolases function in photosynthetic and non-photosynthetic metabolism in Arabidopsis. <i>Journal of Experimental Botany</i> , 2021, 72, 3739-3755.	2.4	19
13237	Evolution and Functional Divergence of SUN Genes in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 646622.	1.7	4
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13240	Meiocyte Isolation by INTACT and Meiotic Transcriptome Analysis in Arabidopsis. <i>Frontiers in Plant Science</i> , 2021, 12, 638051.	1.7	2
13242	GDSL-domain proteins have key roles in suberin polymerization and degradation. <i>Nature Plants</i> , 2021, 7, 353-364.	4.7	82
13243	A novel sweetpotato RING-H2 type E3 ubiquitin ligase gene IbATL38 enhances salt tolerance in transgenic Arabidopsis. <i>Plant Science</i> , 2021, 304, 110802.	1.7	25
13244	Arabidopsis FAR-RED ELONGATED HYPOCOTYL3 negatively regulates carbon starvation responses. <i>Plant, Cell and Environment</i> , 2021, 44, 1816-1829.	2.8	11
13245	Arabidopsis downy mildew effector HaRxLL470 suppresses plant immunity by attenuating the DNA-binding activity of bZIP transcription factor HY5. <i>New Phytologist</i> , 2021, 230, 1562-1577.	3.5	17
13246	A potassium-sensing niche in Arabidopsis roots orchestrates signaling and adaptation responses to maintain nutrient homeostasis. <i>Developmental Cell</i> , 2021, 56, 781-794.e6.	3.1	29
13247	Functional characterization of proton antiport regulation in the thylakoid membrane. <i>Plant Physiology</i> , 2021, 187, 2209-2229.	2.3	11
13248	ABA-INDUCED expression 1 is involved in ABA-inhibited primary root elongation via modulating ROS homeostasis in Arabidopsis. <i>Plant Science</i> , 2021, 304, 110821.	1.7	20
13251	Prunus Hexokinase 3 genes alter primary C-metabolism and promote drought and salt stress tolerance in Arabidopsis transgenic plants. <i>Scientific Reports</i> , 2021, 11, 7098.	1.6	18
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13254	The fluoride transporter FLUORIDE EXPORTER (FEX) is the major mechanism of tolerance to fluoride toxicity in plants. <i>Plant Physiology</i> , 2021, 186, 1143-1158.	2.3	11
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13256	Ectopic expression of a wheat superoxide dismutase gene TaSOD5 enhances salt and oxidative stress tolerance in Arabidopsis. <i>Biologia Plantarum</i> , 0, 65, 19-26.	1.9	8
13257	Genome-wide analysis of changes in miRNA and target gene expression reveals key roles in heterosis for Chinese cabbage biomass. <i>Horticulture Research</i> , 2021, 8, 39.	2.9	28
13258	Overexpression of the Panax ginseng MYB4 gene enhances stress tolerance in transgenic Arabidopsis thaliana. <i>Biologia Plantarum</i> , 0, 65, 27-38.	1.9	3
13259	Uncovering a novel function of the CCR4-NOT complex in phytochrome A-mediated light signalling in plants. <i>ELife</i> , 2021, 10, .	2.8	13
13260	Genome-wide occupancy of Arabidopsis SWI/SNF chromatin remodeler SPLAYED provides insights into its interplay with its close homolog BRAHMA and Polycomb proteins. <i>Plant Journal</i> , 2021, 106, 200-213.	2.8	19

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13261	Overexpression of the wheat NAC transcription factor TaSNAC4-3A gene confers drought tolerance in transgenic Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2021, 160, 37-50.	2.8	26
13262	Knockout of the entire family of AITR genes in Arabidopsis leads to enhanced drought and salinity tolerance without fitness costs. <i>BMC Plant Biology</i> , 2021, 21, 137.	1.6	44
13263	Expanding the scope of plant genome engineering with Cas12a orthologs and highly multiplexable editing systems. <i>Nature Communications</i> , 2021, 12, 1944.	5.8	79
13264	GTP binding by Arabidopsis extra-large G protein 2 is not essential for its functions. <i>Plant Physiology</i> , 2021, 186, 1240-1253.	2.3	15
13265	A highly mutable GST is essential for bract colouration in <i>Euphorbia pulcherrima</i> Willd. Ex Klotsch. <i>BMC Genomics</i> , 2021, 22, 208.	1.2	13
13266	Molecular Analysis of the E2F/DP Gene Family of <i>Daucus carota</i> and Involvement of the DcE2F1 Factor in Cell Proliferation. <i>Frontiers in Plant Science</i> , 2021, 12, 652570.	1.7	3
13268	Overexpression of AtBBD1, Arabidopsis Bifunctional Nuclease, Confers Drought Tolerance by Enhancing the Expression of Regulatory Genes in ABA-Mediated Drought Stress Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2936.	1.8	14
13270	A PPR Protein ACM1 Is Involved in Chloroplast Gene Expression and Early Plastid Development in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2512.	1.8	9
13271	The Arabidopsis MATERNAL EFFECT EMBRYO ARREST45 protein modulates maternal auxin biosynthesis and controls seed size by inducing <i>AINTEGUMENTA</i> . <i>Plant Cell</i> , 2021, 33, 1907-1926.	3.1	31
13272	Arabidopsis cysteine-rich receptor-like protein kinase <i>CRK33</i> affects stomatal density and drought tolerance. <i>Plant Signaling and Behavior</i> , 2021, 16, 1905335.	1.2	11
13273	CIPK11: a calcineurin B-like protein-interacting protein kinase from <i>Nitraria tangutorum</i> , confers tolerance to salt and drought in Arabidopsis. <i>BMC Plant Biology</i> , 2021, 21, 123.	1.6	14
13274	<i>GsCLC2</i> from wild soybean confers chloride/salt tolerance to transgenic Arabidopsis and soybean composite plants by regulating anion homeostasis. <i>Physiologia Plantarum</i> , 2021, 172, 1867-1879.	2.6	9
13275	Slow anion channel GhSLAC1 is essential for stomatal closure in response to drought stress in cotton. <i>Journal of Plant Physiology</i> , 2021, 258-259, 153360.	1.6	6
13276	Cloning and Characterization of TaSAP7-A, a Member of the Stress-Associated Protein Family in Common Wheat. <i>Frontiers in Plant Science</i> , 2021, 12, 609351.	1.7	4
13277	Genomic editing of intronic enhancers unveils their role in fine-tuning tissue-specific gene expression in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2021, 33, 1997-2014.	3.1	43
13278	A mitochondria-localized pentatricopeptide repeat protein is required to restore male sterility in <i>Brassica napus</i> . <i>Theoretical and Applied Genetics</i> , 2021, 134, 1377-1386.	1.8	11
13280	Characterization of LEA genes in <i>Dendrobium officinale</i> and one Gene in induction of callus. <i>Journal of Plant Physiology</i> , 2021, 258-259, 153356.	1.6	8
13281	Construction of novel promoters based on the characteristics of drought stress specific <i>cis</i> -regulatory element. <i>Journal of Applied Biological Chemistry</i> , 2021, 64, 39-48.	0.2	1

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13283	Mitochondrial heat-shock cognate protein 70 contributes to auxin-mediated embryo development. <i>Plant Physiology</i> , 2021, 186, 1101-1121.	2.3	4
13284	Phytochrome-interacting factors interact with transcription factor CONSTANS to suppress flowering in rose. <i>Plant Physiology</i> , 2021, 186, 1186-1201.	2.3	11
13285	RING finger protein RGLG1 and RGLG2 negatively modulate MAPKKK18 mediated drought stress tolerance in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 484-493.	4.1	22
13286	An <i>Arabidopsis</i> Oxalyl-CoA Decarboxylase, AtOXC, Is Important for Oxalate Catabolism in Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3266.	1.8	8
13287	Ectopic expression of GmHP08 enhances resistance of transgenic <i>Arabidopsis</i> toward drought stress. <i>Plant Cell Reports</i> , 2021, 40, 819-834.	2.8	7
13288	The R2R3-MYB transcription factor MtMYB134 orchestrates flavonol biosynthesis in <i>Medicago truncatula</i> . <i>Plant Molecular Biology</i> , 2021, 106, 157-172.	2.0	37
13289	Tuning self-renewal in the <i>Arabidopsis</i> stomatal lineage by hormone and nutrient regulation of asymmetric cell division. <i>ELife</i> , 2021, 10, .	2.8	24
13290	The Candidate Photoperiod Gene MtFE Promotes Growth and Flowering in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 634091.	1.7	8
13291	The synaptonemal complex imposes crossover interference and heterochiasmy in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	116
13292	GhLIP1, a lipoic acid synthase gene, negatively regulates leaf senescence in cotton. <i>Plant Growth Regulation</i> , 2021, 94, 73-85.	1.8	3
13293	Enhanced tolerance to drought stress resulting from <i>Caragana korshinskii</i> CkWRKY33 in transgenic <i>Arabidopsis thaliana</i> . <i>BMC Genomic Data</i> , 2021, 22, 11.	0.7	8
13296	Nanobody-Dependent Delocalization of Endocytic Machinery in <i>Arabidopsis</i> Root Cells Dampens Their Internalization Capacity. <i>Frontiers in Plant Science</i> , 2021, 12, 538580.	1.7	6
13297	Ribosome biogenesis factor OLI2 and its interactor BRX1-2 are associated with morphogenesis and lifespan extension in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology</i> , 2021, 38, 117-125.	0.5	1
13298	A valine residue deletion in ZmSig2A, a sigma factor, accounts for a revertible leaf-color mutation in maize. <i>Crop Journal</i> , 2021, 9, 1330-1343.	2.3	6
13299	Differential Regulation of the Ribosomal Association of mRNA Transcripts in an <i>Arabidopsis</i> Mutant Defective in Jasmonate-Dependent Wound Response. <i>Frontiers in Plant Science</i> , 2021, 12, 637959.	1.7	7
13300	The genome of the gymnosperm <i>Picea glauca</i> encodes a single Nucleobase Cation Symporter 1 (PgNCS1) that displays a broad yet unique solute specificity profile. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 146, 237-247.	1.2	0
13301	ZMK1 Is Involved in K ⁺ Uptake and Regulated by Protein Kinase ZmCIPK23 in <i>Zea mays</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 517742.	1.7	7

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13304	Cytoplasmic HYL1 modulates miRNA-mediated translational repression. <i>Plant Cell</i> , 2021, 33, 1980-1996.	3.1	30
13305	Overexpression of the V-ATPase c subunit gene from Antarctic notothenioid fishes enhances freezing tolerance in transgenic <i>Arabidopsis</i> plants. <i>Plant Physiology and Biochemistry</i> , 2021, 160, 365-376.	2.8	3
13306	Conservation and diversification of <i>HAIRY MERISTEM</i> gene family in land plants. <i>Plant Journal</i> , 2021, 106, 366-378.	2.8	26
13307	Control of seed size by jasmonate. <i>Science China Life Sciences</i> , 2021, 64, 1215-1226.	2.3	33
13308	<i>WRKY9</i> transcription factor regulates cytochrome <i>P450</i> genes <i>CYP94B3</i> and <i>CYP86B1</i> , leading to increased root suberin and salt tolerance in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2021, 172, 1673-1687.	2.6	27
13309	Heat Shock Protein HSP24 Is Involved in the BABA-Induced Resistance to Fungal Pathogen in Postharvest Grapes Underlying an NPR1-Dependent Manner. <i>Frontiers in Plant Science</i> , 2021, 12, 646147.	1.7	12
13310	Characterization of Two Ethephon-Induced IDA-Like Genes from Mango, and Elucidation of Their Involvement in Regulating Organ Abscission. <i>Genes</i> , 2021, 12, 439.	1.0	10
13311	<i>CcBLH6</i> , a bell-like homeodomain-containing transcription factor, regulates the fruit lignification pattern. <i>Planta</i> , 2021, 253, 90.	1.6	7
13313	A Raf-like kinase is required for smoke-induced seed dormancy in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	3
13314	A gene that underwent adaptive evolution, <i>LAC2</i> (<i>LACCASE</i>), in <i>Populus euphratica</i> improves drought tolerance by improving water transport capacity. <i>Horticulture Research</i> , 2021, 8, 88.	2.9	27
13315	A Tobacco Syringe Agroinfiltration-Based Method for a Phytohormone Transporter Activity Assay Using Endogenous Substrates. <i>Frontiers in Plant Science</i> , 2021, 12, 660966.	1.7	3
13316	The <i>PsbS</i> protein and low pH are necessary and sufficient to induce quenching in the light-harvesting complex of plants LHCII. <i>Scientific Reports</i> , 2021, 11, 7415.	1.6	33
13317	Molecular Cloning and Functional Analysis of 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase from <i>Santalum album</i> . <i>Genes</i> , 2021, 12, 626.	1.0	12
13318	Peat-based gnotobiotic plant growth systems for <i>Arabidopsis</i> microbiome research. <i>Nature Protocols</i> , 2021, 16, 2450-2470.	5.5	26
13320	Sequence and functional analysis of <i>MIR319</i> promoter homologs from <i>Brassica juncea</i> reveals regulatory diversification and altered expression under stress. <i>Molecular Genetics and Genomics</i> , 2021, 296, 731-749.	1.0	6
13321	Phosphorylation of Serine 114 of the transcription factor <i>ABSCISIC ACID INSENSITIVE 4</i> is essential for activity. <i>Plant Science</i> , 2021, 305, 110847.	1.7	8
13322	Light-stabilized <i>FHA2</i> suppresses miRNA biogenesis through interactions with <i>DCL1</i> and <i>HYL1</i> . <i>Molecular Plant</i> , 2021, 14, 647-663.	3.9	26
13323	The rice <i>LEC1</i> -like transcription factor <i>OsNF-YB9</i> interacts with <i>SPK</i> , an endosperm-specific sucrose synthase protein kinase, and functions in seed development. <i>Plant Journal</i> , 2021, 106, 1233-1246.	2.8	30

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13325	Turgor regulation defect 1 proteins play a conserved role in pollen tube reproductive innovation of the angiosperms. <i>Plant Journal</i> , 2021, 106, 1356-1365.	2.8	2
13326	BnaA02.NIP6;1a encodes a boron transporter required for plant development under boron deficiency in <i>Brassica napus</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 161, 36-45.	2.8	8
13327	<i>In vivo</i> FRET-FLIM reveals ER-specific increases in the ABA level upon environmental stresses. <i>Plant Physiology</i> , 2021, 186, 1545-1561.	2.3	10
13328	The Meloidogyne incognita Nuclear Effector MiEFF1 Interacts With Arabidopsis Cytosolic Glyceraldehyde-3-Phosphate Dehydrogenases to Promote Parasitism. <i>Frontiers in Plant Science</i> , 2021, 12, 641480.	1.7	19
13330	Non-TZF Protein AtC3H59/ZFWD3 Is Involved in Seed Germination, Seedling Development, and Seed Development, Interacting with PPPDE Family Protein Desi1 in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4738.	1.8	5
13331	The EAR Motif in the Arabidopsis MADS Transcription Factor AGAMOUS-Like 15 Is Not Necessary to Promote Somatic Embryogenesis. <i>Plants</i> , 2021, 10, 758.	1.6	7
13332	The genomic basis of geographic differentiation and fiber improvement in cultivated cotton. <i>Nature Genetics</i> , 2021, 53, 916-924.	9.4	75
13333	Spatial and temporal localization of SPIRRIG and WAVE/SCAR reveal roles for these proteins in actin-mediated root hair development. <i>Plant Cell</i> , 2021, 33, 2131-2148.	3.1	11
13334	A Case of Gene Fragmentation in Plant Mitochondria Fixed by the Selection of a Compensatory Restorer of Fertility-Like PPR Gene. <i>Molecular Biology and Evolution</i> , 2021, 38, 3445-3458.	3.5	9
13335	AtSTP8, an endoplasmic reticulum-localised monosaccharide transporter from Arabidopsis, is recruited to the extrahaustorial membrane during powdery mildew infection. <i>New Phytologist</i> , 2021, 230, 2404-2419.	3.5	14
13336	A single-cell view of the transcriptome during lateral root initiation in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2021, 33, 2197-2220.	3.1	75
13337	Circadian Clock in Arabidopsis thaliana Determines Flower Opening Time Early in the Morning and Dominantly Closes Early in the Afternoon. <i>Plant and Cell Physiology</i> , 2021, 62, 883-893.	1.5	10
13338	In Arabidopsis thaliana mitochondria 5 ^{â€²} end polymorphisms of nad4L-atp4 and nad3-rps12 transcripts are linked to RNA PROCESSING FACTORS 1 and 8. <i>Plant Molecular Biology</i> , 2021, 106, 335-348.	2.0	6
13340	Dissection of Functional Modules of AT-HOOK MOTIF NUCLEAR LOCALIZED PROTEIN 4 in the Development of the Root Xylem. <i>Frontiers in Plant Science</i> , 2021, 12, 632078.	1.7	6
13341	Chloroplast Transformation in <i>Arabidopsis</i> . <i>Current Protocols</i> , 2021, 1, e103.	1.3	8
13342	<i>DOTFL1</i> affects the floral transition in orchid <i>Dendrobium</i> . <i>Chao Praya Smile. Plant Physiology</i> , 2021, 186, 2021-2036.	2.3	15
13345	The DnaJ proteins DJA6 and DJA5 are essential for chloroplast iron-sulfur cluster biogenesis. <i>EMBO Journal</i> , 2021, 40, e106742.	3.5	17

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13347	A family of pathogen-induced cysteine-rich transmembrane proteins is involved in plant disease resistance. <i>Planta</i> , 2021, 253, 102.	1.6	8
13348	Phloem unloading via the apoplastic pathway is essential for shoot distribution of root-synthesized cytokinins. <i>Plant Physiology</i> , 2021, 186, 2111-2123.	2.3	16
13349	SnRK2.6 interacts with phytochrome B and plays a negative role in red light-induced stomatal opening. <i>Plant Signaling and Behavior</i> , 2021, 16, 1913307.	1.2	6
13351	A Stress-Responsive CaM-Binding Transcription Factor, bZIP4, Confers Abiotic Stress Resistance in Arabidopsis. <i>Journal of Plant Biology</i> , 2021, 64, 359-370.	0.9	3
13352	A stable QTL qSalt-A04-1 contributes to salt tolerance in the cotton seed germination stage. <i>Theoretical and Applied Genetics</i> , 2021, 134, 2399-2410.	1.8	8
13353	Receptor-like cytoplasmic kinase MAZZA mediates developmental processes with CLAVATA1 family receptors in Arabidopsis. <i>Journal of Experimental Botany</i> , 2021, 72, 4853-4870.	2.4	18
13354	Arabidopsis leaf hydraulic conductance is regulated by xylem sap pH, controlled, in turn, by a P ^H -ATPase of vascular bundle sheath cells. <i>Plant Journal</i> , 2021, 106, 301-313.	2.8	24
13355	Arabidopsis N6-methyladenosine reader CPSF30-L recognizes FUE signals to control polyadenylation site choice in liquid-like nuclear bodies. <i>Molecular Plant</i> , 2021, 14, 571-587.	3.9	86
13356	Exogenous dopamine improves apple fruit quality via increasing flavonoids and soluble sugar contents. <i>Scientia Horticulturae</i> , 2021, 280, 109903.	1.7	16
13357	Functional analysis of a conserved domain in SWITCH1 reveals a role in commitment to female meicyte differentiation in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2021, 551, 121-126.	1.0	0
13358	Mutation of an arabidopsis golgi membrane protein ELMO1 reduces cell adhesion. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	5
13360	Thioredoxin h2 and o1 Show Different Subcellular Localizations and Redox-Active Functions, and Are Extrachloroplastic Factors Influencing Photosynthetic Performance in Fluctuating Light. <i>Antioxidants</i> , 2021, 10, 705.	2.2	12
13361	Genome-wide identification and functional characterization of LEA genes during seed development process in linseed flax (<i>Linum usitatissimum</i> L.). <i>BMC Plant Biology</i> , 2021, 21, 193.	1.6	9
13362	Detoxification and Excretion of Trichothecenes in Transgenic Arabidopsis thaliana Expressing Fusarium graminearum Trichothecene 3-O-acetyltransferase. <i>Toxins</i> , 2021, 13, 320.	1.5	6
13363	Diversity and selection of the continuous-flowering gene, RoKSN, in rose. <i>Horticulture Research</i> , 2021, 8, 76.	2.9	12
13364	Pollen PCP-B peptides unlock a stigma peptideâ€‘receptor kinase gating mechanism for pollination. <i>Science</i> , 2021, 372, 171-175.	6.0	113
13365	DELLA degradation by gibberellin promotes flowering via GAF1-TPR-dependent repression of floral repressors in Arabidopsis. <i>Plant Cell</i> , 2021, 33, 2258-2272.	3.1	50

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13366	Differential expression of gibberellin-related genes in wild type and dwarf mutant of <i>Poa pratensis</i> implied their roles in regulating plant height. <i>Crop Science</i> , 2021, 61, 3023-3034.	0.8	2
13367	Mitogen-Activated Protein Kinase CaDIMK1 Functions as a Positive Regulator of Drought Stress Response and Abscisic Acid Signaling in <i>Capsicum annuum</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 646707.	1.7	12
13369	Diversification in Functions and Expressions of Soybean FLOWERING LOCUS T Genes Fine-Tunes Seasonal Flowering. <i>Frontiers in Plant Science</i> , 2021, 12, 613675.	1.7	9
13370	Characterization of MYB35 regulated methyl jasmonate and wound responsive Geraniol 10-hydroxylase-1 gene from <i>Bacopa monnieri</i> . <i>Planta</i> , 2021, 253, 89.	1.6	8
13372	Identification of transcription factors controlling cell wall invertase gene expression for reproductive development via bioinformatic and transgenic analyses. <i>Plant Journal</i> , 2021, 106, 1058-1074.	2.8	14
13373	Attaining the promise of plant gene editing at scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
13374	Acyl-CoA desaturase ADS4.2 is involved in the formation of characteristic wax alkenes in young <i>Arabidopsis</i> leaves. <i>Plant Physiology</i> , 2021, 186, 1812-1831.	2.3	4
13375	mRNA surveillance complex PELOTA-HBS1 regulates phosphoinositide-dependent protein kinase1 and plant growth. <i>Plant Physiology</i> , 2021, 186, 2003-2020.	2.3	7
13376	<i>ErFLS</i> overexpression promotes flavonoid accumulation and abiotic stress tolerance in plant. <i>Physiologia Plantarum</i> , 2021, 172, 1966-1982.	2.6	21
13377	nMAT3 is an essential maturase splicing factor required for holo-complex biogenesis and embryo development in <i>Arabidopsis thaliana</i> plants. <i>Plant Journal</i> , 2021, 106, 1128-1147.	2.8	15
13378	<i>Arabidopsis</i> bZIP11 Is a Susceptibility Factor During <i>Pseudomonas syringae</i> Infection. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 439-447.	1.4	7
13379	Pepper E3 ligase CaAIRE1 promotes ABA sensitivity and drought tolerance by degradation of protein phosphatase CaAIP1. <i>Journal of Experimental Botany</i> , 2021, 72, 4520-4534.	2.4	10
13380	Functional Characterization of a Sugar Beet BvbHLH93 Transcription Factor in Salt Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3669.	1.8	27
13381	CaGnT-III, an N-acetylglucosaminyltransferase gene from pepper, positively regulates plants tolerance to abiotic stresses by enhancing antioxidant ability. <i>Environmental and Experimental Botany</i> , 2021, 184, 104394.	2.0	1
13383	GhGSTF12, a glutathione S-transferase gene, is essential for anthocyanin accumulation in cotton (<i>Gossypium hirsutum</i> L.). <i>Plant Science</i> , 2021, 305, 110827.	1.7	28
13384	Single-cell resolution of lineage trajectories in the <i>Arabidopsis</i> stomatal lineage and developing leaf. <i>Developmental Cell</i> , 2021, 56, 1043-1055.e4.	3.1	125
13385	Optimization of the transient <i>Agrobacterium</i> -mediated transformation of <i>Panax ginseng</i> shoots and its use to change the profile of ginsenoside production. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 146, 357-373.	1.2	4
13387	Diverged Early From CtpB and CtpC, CtpA Has Evolved to Process D1 Precursor in Oxygenic Photosynthetic Organisms. <i>Frontiers in Plant Science</i> , 2021, 12, 676036.	1.7	3

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13390	Involvement of the R2R3-MYB transcription factor MYB21 and its homologs in regulating flavonol accumulation in <i>Arabidopsis</i> stamen. <i>Journal of Experimental Botany</i> , 2021, 72, 4319-4332.	2.4	55
13391	In vitro and in vivo activity analysis of poplar CLE dodecapeptides that are most divergent from <i>Arabidopsis</i> counterparts. <i>Plant Science</i> , 2021, 305, 110832.	1.7	2
13392	<i>ARABIDOPSIS THALIANA</i> HOMEODOMAIN BOX GENE 1 controls plant architecture by locally restricting environmental responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
13393	<i>Arabidopsis</i> phosphatidylinositol 4-phosphate 5-kinase genes <i>PIP5K7</i> , <i>PIP5K8</i> , and <i>PIP5K9</i> are redundantly involved in root growth adaptation to osmotic stress. <i>Plant Journal</i> , 2021, 106, 913-927.	2.8	12
13394	Cell-type action specificity of auxin on <i>Arabidopsis</i> root growth. <i>Plant Journal</i> , 2021, 106, 928-941.	2.8	11
13395	<i>Arabidopsis thaliana</i> EARLY RESPONSIVE TO DEHYDRATION 7 Localizes to Lipid Droplets via Its Senescence Domain. <i>Frontiers in Plant Science</i> , 2021, 12, 658961.	1.7	16
13396	Identification and functional characterization of two bamboo FD gene homologs having contrasting effects on shoot growth and flowering. <i>Scientific Reports</i> , 2021, 11, 7849.	1.6	9
13397	Membrane-Bound Transcriptional Activator NTL1 from Rapeseed Positively Modulates Leaf Senescence through Targeting Genes Involved in Reactive Oxygen Species Production and Programmed Cell Death. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4968-4980.	2.4	6
13398	Cross Inhibition of MPK10 and WRKY10 Participating in the Growth of Endosperm in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 640346.	1.7	9
13399	Persistent directional growth capability in <i>Arabidopsis thaliana</i> pollen tubes after nuclear elimination from the apex. <i>Nature Communications</i> , 2021, 12, 2331.	5.8	8
13401	Specific expression of <i>AtIRT1</i> in phloem companion cells suggests its role in iron translocation in aboveground plant organs. <i>Plant Signaling and Behavior</i> , 2021, 16, 1925020.	1.2	4
13402	Jasmonate induces biosynthesis of anthocyanin and proanthocyanidin in apple by mediating the JAZ1-TRB1-MYB9 complex. <i>Plant Journal</i> , 2021, 106, 1414-1430.	2.8	49
13403	Reciprocal regulation between the negative regulator PP2CG1 phosphatase and the positive regulator OST1 kinase confers cold response in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1568-1587.	4.1	19
13404	A homolog of GuidedEntry of Tail-anchored proteins3 functions in membrane-specific protein targeting in chloroplasts of <i>Arabidopsis</i> . <i>Plant Cell</i> , 2021, 33, 2812-2833.	3.1	13
13405	Genome-wide identification and functional analysis of U-box E3 ubiquitin ligases gene family related to drought stress response in Chinese white pear (<i>Pyrus bretschneideri</i>). <i>BMC Plant Biology</i> , 2021, 21, 235.	1.6	26
13406	CaHSP18.1a, a Small Heat Shock Protein from Pepper (<i>Capsicum annuum</i> L.), Positively Responds to Heat, Drought, and Salt Tolerance. <i>Horticulturae</i> , 2021, 7, 117.	1.2	6
13407	Contrasting roles of GmNAC065 and GmNAC085 in natural senescence, plant development, multiple stresses and cell death responses. <i>Scientific Reports</i> , 2021, 11, 11178.	1.6	7
13408	A live imaging system to analyze spatiotemporal dynamics of RNA polymerase II modification in <i>Arabidopsis thaliana</i> . <i>Communications Biology</i> , 2021, 4, 580.	2.0	5

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13409	A Maize (<i>Zea mays</i> L.) BIK1-Like Receptor-Like Cytoplasmic Kinase Contributes to Disease Resistance. <i>Plant Molecular Biology Reporter</i> , 2022, 40, 28-42.	1.0	5
13410	<i>In vivo</i> functional analysis of the structural domains of FLUORESCENT (FLU). <i>Plant Journal</i> , 2021, 107, 360-376.	2.8	12
13411	Phosphoglycerate dehydrogenase genes differentially affect Arabidopsis metabolism and development. <i>Plant Science</i> , 2021, 306, 110863.	1.7	10
13413	The histone variant H2A.W and linker histone H1 co-regulate heterochromatin accessibility and DNA methylation. <i>Nature Communications</i> , 2021, 12, 2683.	5.8	56
13414	Engineering of the cytosolic form of phosphoglucose isomerase into chloroplasts improves plant photosynthesis and biomass. <i>New Phytologist</i> , 2021, 231, 315-325.	3.5	12
13415	A WRKY Transcription Factor, EJWRKY17, from <i>Eriobotrya japonica</i> Enhances Drought Tolerance in Transgenic Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5593.	1.8	27
13416	Comparative transcriptomic analysis highlights contrasting levels of resistance of <i>Vitis vinifera</i> and <i>Vitis amurensis</i> to <i>Botrytis cinerea</i> . <i>Horticulture Research</i> , 2021, 8, 103.	2.9	19
13417	A ras-related small GTP-binding protein, RabE1c, regulates stomatal movements and drought stress responses by mediating the interaction with ABA receptors. <i>Plant Science</i> , 2021, 306, 110858.	1.7	14
13418	IQ67 DOMAIN proteins facilitate preprophase band formation and division-plane orientation. <i>Nature Plants</i> , 2021, 7, 739-747.	4.7	40
13419	Simultaneous imaging of ER and cytosolic Ca ²⁺ dynamics reveals long-distance ER Ca ²⁺ waves in plants. <i>Plant Physiology</i> , 2021, 187, 603-617.	2.3	25
13420	TGD5 is required for normal morphogenesis of nonâ€mesophyll plastids, but not mesophyll chloroplasts, in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021, 107, 237-255.	2.8	5
13421	The BAG2 and BAG6 Genes Are Involved in Multiple Abiotic Stress Tolerances in Arabidopsis Thaliana. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5856.	1.8	17
13422	ERAD-related E2 and E3 enzymes modulate the drought response by regulating the stability of PIP2 aquaporins. <i>Plant Cell</i> , 2021, 33, 2883-2898.	3.1	44
13423	Genome-wide analysis of the AINTEGUMENTA-like (AIL) transcription factor gene family in pumpkin (<i>Cucurbita moschata</i> Duch.) and CmoANT1.2 response in graft union healing. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 706-715.	2.8	5
13424	A Prototypical Conjugated Polymer Regulating Signaling in Plants. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100048.	2.7	6
13426	Fumarylacetoacetate hydrolase is required for fertility in rice. <i>Planta</i> , 2021, 253, 122.	1.6	2
13427	PIP2, An Auxin Induced Plant Peptide Hormone Regulates Root and Hypocotyl Elongation in Arabidopsis. <i>Frontiers in Plant Science</i> , 2021, 12, 646736.	1.7	4
13428	Chickpea glutaredoxin (CaGrx) gene mitigates drought and salinity stress by modulating the physiological performance and antioxidant defense mechanisms. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 923-944.	1.4	13

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13429	Loss of <i>THIN EXINE2</i> disrupts multiple processes in the mechanism of pollen exine formation. <i>Plant Physiology</i> , 2021, 187, 133-157.	2.3	13
13430	<i>CENTRORADIALIS</i> maintains shoot meristem indeterminacy by antagonizing <i>THORN IDENTITY1</i> in <i>Citrus</i> . <i>Current Biology</i> , 2021, 31, 2237-2242.e4.	1.8	16
13431	Brassinosteroids suppress ethylene-induced fruitlet abscission through <i>LcBZR1/2</i> -mediated transcriptional repression of <i>LcACS1</i> and <i>LcACO2</i> in litchi. <i>Horticulture Research</i> , 2021, 8, 105.	2.9	17
13432	An <i>Arabidopsis</i> AT-hook motif nuclear protein mediates somatic embryogenesis and coinciding genome duplication. <i>Nature Communications</i> , 2021, 12, 2508.	5.8	31
13433	<i>XBAT31</i> regulates thermoresponsive hypocotyl growth through mediating degradation of the thermosensor <i>ELF3</i> in <i>Arabidopsis</i> . <i>Science Advances</i> , 2021, 7, .	4.7	42
13435	The Cyclophilin <i>ROC3</i> Regulates ABA-Induced Stomatal Closure and the Drought Stress Response of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 668792.	1.7	11
13436	Local brassinosteroid biosynthesis enables optimal root growth. <i>Nature Plants</i> , 2021, 7, 619-632.	4.7	58
13438	The ancestral duplicated <i>DL/CRC</i> orthologs, <i>PeDL1</i> and <i>PeDL2</i> , function in orchid reproductive organ innovation. <i>Journal of Experimental Botany</i> , 2021, 72, 5442-5461.	2.4	18
13440	Metabolic engineering provides insight into the regulation of thiamin biosynthesis in plants. <i>Plant Physiology</i> , 2021, 186, 1832-1847.	2.3	10
13441	Overexpression of an expansin-like gene, <i>GhEXLB2</i> enhanced drought tolerance in cotton. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 468-475.	2.8	11
13442	Complexity untwined: The structure and function of cucumber (<i>Cucumis sativus</i> L.) shoot phloem. <i>Plant Journal</i> , 2021, 106, 1163-1176.	2.8	7
13443	Auxin guides germ-cell specification in <i>Arabidopsis</i> anthers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
13444	Development of a robust transient expression screening system in protoplasts of <i>Cannabis</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 0, , 1.	0.9	6
13445	<i>HbLFG1</i> , a rubber tree (<i>Hevea brasiliensis</i>) lifeguard protein, can facilitate powdery mildew infection by regulating plant immunity. <i>Phytopathology</i> , 2021, , PHYTO08200362R.	1.1	3
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13448	<i>DkMYB14</i> is a bifunctional transcription factor that regulates the accumulation of proanthocyanidin in persimmon fruit. <i>Plant Journal</i> , 2021, 106, 1708-1727.	2.8	21
13449	Vascular tissue-specific expression of <i>BnaC4.BOR1;1c</i> , an efflux boron transporter gene, is regulated in response to boron availability for efficient boron acquisition in <i>Brassica napus</i> . <i>Plant and Soil</i> , 2021, 465, 171-184.	1.8	7

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13451	LARP6C orchestrates posttranscriptional reprogramming of gene expression during hydration to promote pollen tube guidance. <i>Plant Cell</i> , 2021, 33, 2637-2661.	3.1	15
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13459	PbCSE1 promotes lignification during stone cell development in pear (<i>Pyrus bretschneideri</i>) fruit. <i>Scientific Reports</i> , 2021, 11, 9450.	1.6	10
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13528	Ectopic expression of <i>GmNHX3</i> and <i>GmNHX1</i> , encoding two <i>Glycine max</i> Na ⁺ /H ⁺ vacuolar antiporters, improves water deficit tolerance in <i>Arabidopsis thaliana</i> . <i>Biologia Plantarum</i> , 0, 65, 157-166.	1.9	1
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13532	Ectopic Expression of <i>WsSGLT3.1</i> Gene in <i>Arabidopsis thaliana</i> Confers Enhanced Resistance to <i>Pseudomonas syringae</i> . <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1871-1886.	2.8	1
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13694	Ectopic expression of finger millet calmodulin confers drought and salinity tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2021, 40, 2205-2223.	2.8	13
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13812	A gene-editing/complementation strategy for tissue-specific lignin reduction while preserving biomass yield. <i>Biotechnology for Biofuels</i> , 2021, 14, 175.	6.2	12

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13829	The transcription factor ORA59 exhibits dual DNA binding specificity that differentially regulates ethylene- and jasmonic acid-induced genes in plant immunity. <i>Plant Physiology</i> , 2021, 187, 2763-2784.	2.3	11
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13832	Global SUMOylome Adjustments in Basal Defenses of <i>Arabidopsis thaliana</i> Involve Complex Interplay Between SMALL-UBIQUITIN LIKE MODIFIERS and the Negative Immune Regulator SUPPRESSOR OF rps4-RLD1. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 680760.	1.8	0

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13842	Spatiotemporal regulation of <i>JAZ4</i> expression and splicing contribute to ethylene- and auxin-mediated responses in <i>Arabidopsis</i> roots. <i>Plant Journal</i> , 2021, 108, 1266-1282.	2.8	4
13843	A dual role for glutathione transferase U7 in plant growth and protection from methyl viologen-induced oxidative stress. <i>Plant Physiology</i> , 2021, 187, 2451-2468.	2.3	18
13844	Characterization and functional analysis of LoUDT1, a bHLH transcription factor related to anther development in the lily oriental hybrid <i>Siberia</i> (<i>Lilium</i> spp.). <i>Plant Physiology and Biochemistry</i> , 2021, 166, 1087-1095.	2.8	8
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13849	Abscisic acid insensitive 4 interacts with ICE1 and JAZ proteins to regulate ABA signaling-mediated cold tolerance in apple. <i>Journal of Experimental Botany</i> , 2022, 73, 980-997.	2.4	30
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13867	A plant CitPITP1 protein-coding exon sequence serves as a promoter in bacteria. <i>Journal of Biotechnology</i> , 2021, 339, 1-13.	1.9	0
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13884	Identification and Analysis of GhEXO Gene Family Indicated That GhEXO7_At Promotes Plant Growth and Development Through Brassinosteroid Signaling in Cotton (<i>Gossypium hirsutum</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 719889.	1.7	4
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13886	DELLA-GAF1 complex is involved in tissue-specific expression and gibberellin feedback regulation of GA20ox1 in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2021, 107, 147-158.	2.0	7
13887	<i>Arabidopsis</i> aldehyde oxidase 3, known to oxidize abscisic aldehyde to abscisic acid, protects leaves from aldehyde toxicity. <i>Plant Journal</i> , 2021, 108, 1439-1455.	2.8	16
13888	Members of the ELMOD protein family specify formation of distinct aperture domains on the <i>Arabidopsis</i> pollen surface. <i>ELife</i> , 2021, 10, .	2.8	9

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14591	Identification of a <i>R2R3-MYB</i> gene regulating anthocyanin biosynthesis and relationships between its variation and flower color difference in lotus (<i>Nelumbo</i> Adans.). <i>PeerJ</i> , 2016, 4, e2369.	0.9	34
14592	<i>YUCCA</i> auxin biosynthetic genes are required for <i>Arabidopsis</i> shade avoidance. <i>PeerJ</i> , 2016, 4, e2574.	0.9	68
14593	Mulberry EIL3 confers salt and drought tolerances and modulates ethylene biosynthetic gene expression. <i>PeerJ</i> , 2019, 7, e6391.	0.9	24
14594	Purification of plant-derived anti-virus mAb through optimized pH conditions for coupling between protein A and epoxy-activated beads. <i>PeerJ</i> , 2019, 7, e6828.	0.9	5
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15201	Advances in Breeding Strategies of Bell Pepper (<i>Capsicum annuum</i> L. var. <i>grossum</i> Sendt.) , 2021, , 3-58.		5
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15203	Effects of two apple tonoplast sugar transporters, MdTST1 and MdTST2, on the accumulation of sugar. <i>Scientia Horticulturae</i> , 2022, 293, 110719.	1.7	5
15204	A CBL-interacting protein kinase, AcCIPK18, from <i>Ananas comosus</i> regulates tolerance to salt, drought, heat stress and <i>Sclerotinia sclerotiorum</i> infection in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2022, 194, 104728.	2.0	10
15205	A bZIP transcription factor VabZIP12 from blueberry induced by dark septate endocyte improving the salt tolerance of transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2022, 315, 111135.	1.7	9
15206	The <i>Arabidopsis</i> transcription factors AtPHL1 and AtHB23 act together promoting carbohydrate transport from pedicel-silique nodes to seeds. <i>Plant Science</i> , 2022, 315, 111133.	1.7	3
15207	A novel sweetpotato GATA transcription factor, IbGATA24, interacting with IbCOP9-5a positively regulates drought and salt tolerance. <i>Environmental and Experimental Botany</i> , 2022, 194, 104735.	2.0	10
15208	Spatial regulation of RBOHD via AtECA4-mediated recycling and clathrin-mediated endocytosis contributes to ROS accumulation during salt stress response but not flg22-induced immune response. <i>Plant Journal</i> , 2022, 109, 816-830.	2.8	16
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15214	Cryptochrome 2 from <i>Lilium formolongi</i> Regulates Photoperiodic Flowering in Transgenic <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 12929.	1.8	2
15215	Characterization of Metal Tolerance Proteins and Functional Analysis of GmMTP8.1 Involved in Manganese Tolerance in Soybean. <i>Frontiers in Plant Science</i> , 2021, 12, 683813.	1.7	12
15216	The <i>Arabidopsis</i> ATR-SOG1 signaling module regulates pleiotropic developmental adjustments in response to 3'-blocked DNA repair intermediates. <i>Plant Cell</i> , 2022, 34, 852-866.	3.1	7
15217	<i>CmFSI8</i> / <i>CmOFP13</i> encoding an OVATE family protein controls fruit shape in melon. <i>Journal of Experimental Botany</i> , 2022, 73, 1370-1384.	2.4	17

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15219	Subcellular Localization of Seed-Expressed LEA_4 Proteins Reveals Liquid-Liquid Phase Separation for LEA9 and for LEA48 Homo- and LEA42-LEA48 Heterodimers. <i>Biomolecules</i> , 2021, 11, 1770.	1.8	13
15220	A genome-scale TF-DNA interaction network of transcriptional regulation of Arabidopsis primary and specialized metabolism. <i>Molecular Systems Biology</i> , 2021, 17, e10625.	3.2	15
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15222	Genome-wide analysis of BURP genes and identification of a BURP-V gene RcbURP4 in <i>Rosa chinensis</i> . <i>Plant Cell Reports</i> , 2022, 41, 395-413.	2.8	4
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15224	JAZ8 Interacts With VirE3 Attenuating Agrobacterium Mediated Root Tumorigenesis. <i>Frontiers in Plant Science</i> , 2021, 12, 685533.	1.7	6
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15228	Stress granule-associated TaMBF1c confers thermotolerance through regulating specific mRNA translation in wheat (<i>Triticum aestivum</i>). <i>New Phytologist</i> , 2022, 233, 1719-1731.	3.5	31
15229	Molecular Manipulation of the miR396 and miR399 Expression Modules Alters the Response of <i>Arabidopsis thaliana</i> to Phosphate Stress. <i>Plants</i> , 2021, 10, 2570.	1.6	9
15230	Overexpression of cassava RSZ21b enhances drought tolerance in Arabidopsis. <i>Journal of Plant Physiology</i> , 2022, 268, 153574.	1.6	5
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15232	Functional Characterization of Aluminum (Al)-Responsive Membrane-Bound NAC Transcription Factors in Soybean Roots. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12854.	1.8	8
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15236	The Anaphase Promoting Complex/Cyclosome Subunit 11 and Its Role in Organ Size and Plant Development. <i>Frontiers in Plant Science</i> , 2021, 12, 563760.	1.7	4
15237	Non-cell autonomous and spatiotemporal signalling from a tissue organizer orchestrates root vascular development. <i>Nature Plants</i> , 2021, 7, 1485-1494.	4.7	42

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15240	Chrysanthemum lavandulifolium homolog CIMAD1 modulates the floral transition during temperature shift. <i>Environmental and Experimental Botany</i> , 2022, 194, 104720.	2.0	2
15241	Cell wall modifications by <i>X</i> -XYLOSIDASE1 are required for control of seed and fruit size in Arabidopsis. <i>Journal of Experimental Botany</i> , 2022, 73, 1499-1515.	2.4	13
15242	The DNA-dependent protease AtWSS1A suppresses persistent double strand break formation during replication. <i>New Phytologist</i> , 2022, 233, 1172-1187.	3.5	2
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15248	The Arabidopsis HDZIP class II transcription factor <i>ABA INSENSITIVE TO GROWTH 1</i> functions in leaf development. <i>Journal of Experimental Botany</i> , 2022, 73, 1978-1991.	2.4	10
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15257	Organophosphorus pesticide tolerance of transgenic <i>Arabidopsis thaliana</i> by bacterial <i>ophB</i> gene encode organophosphorus hydrolase. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021, 56, 1051-1056.	0.7	7
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15262	The xyloglucan galactosylation modulates the cell wall stability of pollen tube. <i>Planta</i> , 2021, 254, 133.	1.6	7
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15269	Establishment of a Novel and Efficient <i>Agrobacterium</i> -Mediated in <i>Planta</i> Transformation System for Passion Fruit (<i>Passiflora edulis</i>). <i>Plants</i> , 2021, 10, 2459.	1.6	7
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15272	Responses of Polyamine-Metabolic Genes to Polyamines and Plant Stress Hormones in <i>Arabidopsis</i> Seedlings. <i>Cells</i> , 2021, 10, 3283.	1.8	9
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15298	Genome-wide analysis of lectin receptor-like kinases (LecRLKs) in sweet cherry (<i>Prunus avium</i>) and reveals PaLectinL16 enhances sweet cherry resistance with salt stress. <i>Environmental and Experimental Botany</i> , 2022, 194, 104751.	2.0	7
15299	Overexpression of watermelon ClWRKY20 in transgenic <i>Arabidopsis</i> improves salt and low-temperature tolerance. <i>Scientia Horticulturae</i> , 2022, 295, 110848.	1.7	13
15300	An Amur grape VaHsfC1 is involved in multiple abiotic stresses. <i>Scientia Horticulturae</i> , 2022, 295, 110785.	1.7	8
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15326	Regulation of lignin biosynthesis by an atypical bHLH protein CmHLB in <i>Chrysanthemum</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 2403-2419.	2.4	15
15327	ECAP is a key negative regulator mediating different pathways to modulate salt stress-induced anthocyanin biosynthesis in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 233, 2216-2231.	3.5	12
15328	Mutation of CESA1 phosphorylation site influences pectin synthesis and methylesterification with a role in seed development. <i>Journal of Plant Physiology</i> , 2022, 270, 153631.	1.6	2
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15333	Characterization and Functional Explorations of O-glycosylation Enzymes SECRET AGENT and SPINDLY in <i>Pyrus bretschneideri</i> . <i>Journal of Plant Biology</i> , 0, , 1.	0.9	0
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15335	NuA4 and H2A.Z control environmental responses and autotrophic growth in Arabidopsis. <i>Nature Communications</i> , 2022, 13, 277.	5.8	32
15336	A sorghum genome-wide association study (GWAS) identifies a WRKY transcription factor as a candidate gene underlying sugarcane aphid (<i>Melanaphis sacchari</i>) resistance. <i>Planta</i> , 2022, 255, 37.	1.6	10
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15339	Role of cassava CC-type glutaredoxin MeGRXC3 in regulating sensitivity to mannitol-induced osmotic stress dependent on its nuclear activity. <i>BMC Plant Biology</i> , 2022, 22, 41.	1.6	5
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15345	Phytoplasma effector Zaofeng6 induces shoot proliferation by decreasing the expression of ZjTCP7 in <i>Ziziphus jujuba</i> . <i>Horticulture Research</i> , 2022, 9, .	2.9	15
15346	Broad-spectrum fungal resistance in sorghum is conferred through the complex regulation of an immune receptor gene embedded in a natural antisense transcript. <i>Plant Cell</i> , 2022, 34, 1641-1665.	3.1	17
15347	Inhibition of BRUTUS Enhances Plant Tolerance to Zn Toxicity by Upregulating Pathways Related to Iron Nutrition. <i>Life</i> , 2022, 12, 216.	1.1	5
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15350	The <i>Xanthomonas</i> type-III effector XopS stabilizes <i>Ca</i> WRKY40a to regulate defense responses and stomatal immunity in pepper (<i>Capsicum annuum</i>). <i>Plant Cell</i> , 2022, 34, 1684-1708.	3.1	24
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15353	Nuclear and peroxisomal targeting of catalase. <i>Plant, Cell and Environment</i> , 2022, 45, 1096-1108.	2.8	18
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15356	Increased abscisic acid sensitivity and drought tolerance of <i>Arabidopsis</i> by overexpression of poplar abscisic acid receptors. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 148, 231-245.	1.2	4
15357	An RNA exosome subunit mediates cell-to-cell trafficking of a homeobox mRNA via plasmodesmata. <i>Science</i> , 2022, 375, 177-182.	6.0	31
15358	RALF peptide signaling controls the polytubey block in <i>Arabidopsis</i> . <i>Science</i> , 2022, 375, 290-296.	6.0	65
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15362	Elongation factor TFII5 is essential for heat stress adaptation in plants. <i>Nucleic Acids Research</i> , 2022, 50, 1927-1950.	6.5	20
15363	Analysis of exocyst function in endodermis reveals its widespread contribution and specificity of action. <i>Plant Physiology</i> , 2022, 189, 557-566.	2.3	11
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15365	Fine-tuning of SUMOylation modulates drought tolerance of apple. <i>Plant Biotechnology Journal</i> , 2022, 20, 903-919.	4.1	16
15366	Different Functions of IbRAP2.4, a Drought-Responsive AP2/ERF Transcription Factor, in Regulating Root Development Between <i>Arabidopsis</i> and Sweetpotato. <i>Frontiers in Plant Science</i> , 2022, 13, 820450.	1.7	7
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15371	Integrated physiological and transcriptomic analyses of two warm- and cool-season turfgrass species in response to heat stress. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 275-286.	2.8	3
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15376	BRASSINOSTEROID-SIGNALING KINASE1 modulates MAP KINASE15 phosphorylation to confer powdery mildew resistance in Arabidopsis. <i>Plant Cell</i> , 2022, 34, 1768-1783.	3.1	22
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15381	Advances in Delivery Mechanisms of CRISPR Gene-Editing Reagents in Plants. <i>Frontiers in Genome Editing</i> , 2022, 4, 830178.	2.7	29
15382	Dynamic chromatin state profiling reveals regulatory roles of auxin and cytokinin in shoot regeneration. <i>Developmental Cell</i> , 2022, 57, 526-542.e7.	3.1	39
15383	Overexpression of Liriodendron tulipifera JAG Gene (LtuJAG) Changes Leaf Shapes in Transgenic Arabidopsis thaliana. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1322.	1.8	3
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15386	microRNA172 targets <i>APETALA2</i> to regulate flavonoid biosynthesis in apple (<i>Malus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262	2.9	22
15387	SKIP Regulates ABA Signaling through Alternative Splicing in Arabidopsis. <i>Plant and Cell Physiology</i> , 2022, 63, 494-507.	1.5	7
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15389	CDC48B facilitates the intercellular trafficking of SHORT–ROOT during radial patterning in roots. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 843-858.	4.1	5
15390	Non-TZF Transcriptional Activator AtC3H12 Negatively Affects Seed Germination and Seedling Development in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1572.	1.8	2
15391	Genome-wide analysis and transcriptional reprogrammings of MYB superfamily revealed positive insights into abiotic stress responses and anthocyanin accumulation in Carthamus tinctorius L.. <i>Molecular Genetics and Genomics</i> , 2022, 297, 125-145.	1.0	18

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15396	Phytochrome interacting factor MdPIF7 modulates anthocyanin biosynthesis and hypocotyl growth in apple. <i>Plant Physiology</i> , 2022, 188, 2342-2363.	2.3	15
15397	Molecular traits and functional analysis of Rapid Alkalinization Factors (RALFs) in four <i>Gossypium</i> species. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 84-99.	3.6	4
15398	Expression of ZjPSY, a Phytoene Synthase Gene from <i>Zoysia japonica</i> Affects Plant Height and Photosynthetic Pigment Contents. <i>Plants</i> , 2022, 11, 395.	1.6	3
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15403	Autophagy inducers lead to transient accumulation of autophagosomes in <i>Arabidopsis</i> roots. <i>Plant Cell Reports</i> , 2022, 41, 463-471.	2.8	2
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15405	Interspecific complementation-restoration of phenotype in <i>Arabidopsis cuc2cuc3</i> mutant by sugarcane CUC2 gene. <i>BMC Plant Biology</i> , 2022, 22, 47.	1.6	4
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15412	PsGSTF3, an Anthocyanin-Related Glutathione S-Transferase Gene, Is Essential for Petal Coloration in Tree Peony. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1423.	1.8	8
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15415	<i>Arabidopsis</i> PUB2 and PUB4 connect signaling components of pattern-triggered immunity. <i>New Phytologist</i> , 2022, 233, 2249-2265.	3.5	17
15416	Cloning and Functional Characterization of a Pericarp Abundant Expression Promoter (AhGLP17-1P) From Peanut (<i>Arachis hypogaea</i> L.). <i>Frontiers in Genetics</i> , 2021, 12, 821281.	1.1	8
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15466	Plants utilise ancient conserved peptide upstream open reading frames in stressâ€œresponsive translational regulation. <i>Plant, Cell and Environment</i> , 2022, 45, 1229-1241.	2.8	10
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15512	RNA-Binding Protein MAC5A Is Required for Gibberellin-Regulated Stamen Development. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2009.	1.8	1
15513	Two wrongs make a right: heat stress reversion of a male-sterile <i>Brassica napus</i> line. <i>Journal of Experimental Botany</i> , 2022, , .	2.4	0
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15515	CRISPR/Cas9-Mediated Targeted Mutagenesis of GmUGT Enhanced Soybean Resistance Against Leaf-Chewing Insects Through Flavonoids Biosynthesis. <i>Frontiers in Plant Science</i> , 2022, 13, 802716.	1.7	32
15516	Proteomic characterization of isolated <i>Arabidopsis</i> clathrin-coated vesicles reveals evolutionarily conserved and plant-specific components. <i>Plant Cell</i> , 2022, 34, 2150-2173.	3.1	31
15517	ScGAIL, a sugarcane N-terminal truncated DELLA-like protein, participates in gibberellin signaling in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 3462-3476.	2.4	8
15518	HSL1 and BAM1/2 impact epidermal cell development by sensing distinct signaling peptides. <i>Nature Communications</i> , 2022, 13, 876.	5.8	24
15519	Heat stress transcription factor DchSfA1d isolated from <i>Dianthus caryophyllus</i> enhances thermotolerance and salt tolerance of transgenic <i>Arabidopsis</i> . <i>Biologia Plantarum</i> , 0, 66, 29-38.	1.9	5
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15521	Whole-transcriptome analysis and construction of an anther development-related ceRNA network in Chinese cabbage (<i>Brassica campestris</i> L. ssp. <i>pekinensis</i>). <i>Scientific Reports</i> , 2022, 12, 2667.	1.6	4
15522	Tandem C2 domains mediate dynamic organelle targeting of a DOCK family guanine nucleotide exchange factor. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	2
15524	Phylogeny and evolution of plant Phytochrome Interacting Factors (PIFs) gene family and functional analyses of PIFs in <i>Brachypodium distachyon</i> . <i>Plant Cell Reports</i> , 2022, 41, 1209-1227.	2.8	6
15525	Overexpression of Peroxisome-Localized GmABCA7 Promotes Seed Germination in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2389.	1.8	5
15526	BcGR1.1, a Cytoplasmic Localized Glutathione Reductase, Enhanced Tolerance to Copper Stress in <i>Arabidopsis thaliana</i> . <i>Antioxidants</i> , 2022, 11, 389.	2.2	6
15527	Genome-wide identification of HD-ZIP transcription factors in maize and their regulatory roles in promoting drought tolerance. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 425-437.	1.4	12
15528	The Class II KNOX family members <i>KNAT3</i> and <i>KNAT7</i> redundantly participate in <i>Arabidopsis</i> seed coat mucilage biosynthesis. <i>Journal of Experimental Botany</i> , 2022, 73, 3477-3495.	2.4	10
15529	Genome-Wide Identification, Classification, and Expression Analysis of the HD-Zip Transcription Factor Family in Apple (<i>Malus domestica</i> Borkh.). <i>International Journal of Molecular Sciences</i> , 2022, 23, 2632.	1.8	3

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15531	CabHLH79 Acts Upstream of CaNAC035 to Regulate Cold Stress in Pepper. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2537.	1.8	8
15532	Blocking lamiR319a Impacts Plant Architecture and Reduces Drought Tolerance in Sweet Potato. <i>Genes</i> , 2022, 13, 404.	1.0	4
15533	An in-frame deletion mutation in the degron tail of auxin coreceptor <i>IAA2</i> confers resistance to the herbicide 2,4-D in <i>Sisymbrium orientale</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	19
15534	Precision Genome Editing Toolbox: Applications and Approaches for Improving Rice's Genetic Resistance to Pathogens. <i>Agronomy</i> , 2022, 12, 565.	1.3	7
15535	COP1 positively regulates ABA signaling during Arabidopsis seedling growth in darkness by mediating ABA-induced ABI5 accumulation. <i>Plant Cell</i> , 2022, 34, 2286-2308.	3.1	17
15536	Gibberellins regulate ovule number through a DELLA-CUC2 complex in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2022, 110, 43-57.	2.8	14
15537	Out of the blue: Phototropins of the leaf vascular bundle sheath mediate the regulation of leaf hydraulic conductance by blue light. <i>Plant Cell</i> , 2022, 34, 2328-2342.	3.1	9
15538	A Genome Wide Association Study Revealed Key Single Nucleotide Polymorphisms/Genes Associated With Seed Germination in <i>Gossypium hirsutum</i> L. <i>Frontiers in Plant Science</i> , 2022, 13, 844946.	1.7	3
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15542	PIN3 positively regulates the late initiation of ovule primordia in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2022, 18, e1010077.	1.5	10
15543	BcSOC1 Promotes Bolting and Stem Elongation in Flowering Chinese Cabbage. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3459.	1.8	15
15544	Promising Novel Method of Acetylation Modification for Regulating Fatty Acid Metabolism in <i>Brassica napus</i> L. <i>Biology</i> , 2022, 11, 483.	1.3	0
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15546	Establishment of a <i>dmp</i> based maternal haploid induction system for polyploid <i>Brassica napus</i> and <i>Nicotiana tabacum</i> . <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1281-1294.	4.1	28
15547	Activation of the VQ Motif-Containing Protein Gene VQ28 Compromised Nonhost Resistance of <i>Arabidopsis thaliana</i> to <i>Phytophthora</i> Pathogens. <i>Plants</i> , 2022, 11, 858.	1.6	3
15550	Oryza-Specific Orphan Protein Triggers Enhanced Resistance to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in Rice. <i>Frontiers in Plant Science</i> , 2022, 13, 859375.	1.7	7
15552	Testing the polar auxin transport model with a selective plasma membrane H ⁺ -ATPase inhibitor. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1229-1245.	4.1	7

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15554	<scp><i>CiKN1</i></scp> and <scp><i>CiKN6</i></scp> are involved in leaf development in citrus by regulating <scp>CimiR164</scp>. <i>Plant Journal</i> , 2022, 110, 828-848.	2.8	10
15555	SNARE SYP132 mediates divergent traffic of plasma membrane H ⁺ -ATPase AHA1 and antimicrobial PR1 during bacterial pathogenesis. <i>Plant Physiology</i> , 2022, 189, 1639-1661.	2.3	15
15556	A fungal effector suppresses the nuclear export of AGO1-miRNA complex to promote infection in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114583119.	3.3	34
15557	<scp>CBF4</scp>/<scp>DREB1D</scp> represses <scp><i>XERICO</i></scp> to attenuate <scp>ABA</scp>, osmotic and drought stress responses in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2022, 110, 961-977.	2.8	12
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15559	A procedure for Dex-induced gene transactivation in <i>Arabidopsis</i> ovules. <i>Plant Methods</i> , 2022, 18, 41.	1.9	2
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15562	Diversification of <scp>SEC15a</scp> and <scp>SEC15b</scp> isoforms of an exocyst subunit in seed plants is manifested in their specific roles in <i>Arabidopsis</i> sporophyte and male gametophyte. <i>Plant Journal</i> , 2022, 110, 1382-1396.	2.8	3
15563	The annotation and analysis of complex 3D plant organs using 3DCoordX. <i>Plant Physiology</i> , 2022, 189, 1278-1295.	2.3	4
15564	miR390 family of <i>Cymbidium goeringii</i> is involved in the development of reproductive organs in transgenic <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2022, 22, 149.	1.6	4
15565	Genome-Wide Analysis of the Soybean TIFY Family and Identification of GmTIFY10e and GmTIFY10g Response to Salt Stress. <i>Frontiers in Plant Science</i> , 2022, 13, 845314.	1.7	12
15566	Silencing of MsD14 Resulted in Enhanced Forage Biomass through Increasing Shoot Branching in Alfalfa (<i>Medicago sativa</i> L.). <i>Plants</i> , 2022, 11, 939.	1.6	1
15568	Comprehensive Analyses of Four PtoNF-YC Genes from <i>Populus tomentosa</i> and Impacts on Flowering Timing. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3116.	1.8	3
15569	An <i>Acer palmatum</i> R2R3-MYB Gene, ApMYB77, Confers Freezing and Drought Tolerance in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1017-1030.	2.8	3
15570	Isolation and Functional Characterization of Two CONSTANS-like 16 (MiCOL16) Genes from Mango. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3075.	1.8	10
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15577	Enhancement of Drought Tolerance in Transgenic <i>Arabidopsis thaliana</i> Plants Overexpressing Chickpea Ca14-3-3 Gene. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1544-1557.	2.8	3
15578	Differential Involvement of <i>Arabidopsis</i> Hsp70 TM -COP Isoforms in Plant Development. <i>Cells</i> , 2022, 11, 938.	1.8	3
15579	Functional non-equivalence of pollen ADF isovariants in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2022, 110, 1068-1081.	2.8	8
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15581	MNB1 gene is involved in regulating the iron-deficiency stress response in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2022, 22, 151.	1.6	7
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15583	CsSWEET2, a Hexose Transporter from Cucumber (<i>Cucumis sativus</i> L.), Affects Sugar Metabolism and Improves Cold Tolerance in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 3886.	1.8	15
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15585	Overexpression of SgDREB2C from <i>Stylosanthes guianensis</i> Leads to Increased Drought Tolerance in Transgenic <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 3520.	1.8	5
15587	Overexpression of pea acetyl-CoA carboxyltransferase in <i>Arabidopsis</i> and <i>camelina</i> increases fatty acid synthesis leading to improved seed oil content. <i>Plant Journal</i> , 2022, 110, 1035-1046.	2.8	15
15588	Cytochrome P450 CYP709C56 metabolizing mesosulfuron-methyl confers herbicide resistance in <i>Alopecurus aequalis</i> . <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 205.	2.4	22
15589	ChENODL6 Isoforms from the Phycocyanin Gene Family Regulated Verticillium Wilt Resistance in Cotton. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2913.	1.8	12
15590	AGL15 Promotion of Somatic Embryogenesis: Role and Molecular Mechanism. <i>Frontiers in Plant Science</i> , 2022, 13, 861556.	1.7	9
15591	A synthetic switch based on orange carotenoid protein to control blue-green light responses in chloroplasts. <i>Plant Physiology</i> , 2022, 189, 1153-1168.	2.3	10
15592	Overexpression of C-Repeat Binding Factor1 (CBF1) Gene Enhances Heat Stress Tolerance in <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2022, 65, 253-260.	0.9	6
15593	Expression of a Cytochrome P450 Gene from Bermuda Grass <i>Cynodon dactylon</i> in Soybean Confers Tolerance to Multiple Herbicides. <i>Plants</i> , 2022, 11, 949.	1.6	6

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15598	Overexpression of the <i>Salix matsudana</i> SmAP2-17 gene improves <i>Arabidopsis</i> salinity tolerance by enhancing the expression of SOS3 and ABI5. <i>BMC Plant Biology</i> , 2022, 22, 102.	1.6	8
15599	Tartary Buckwheat R2R3-MYB Gene FtMYB3 Negatively Regulates Anthocyanin and Proanthocyanin Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2775.	1.8	14
15600	The ER Is a Common Mediator for the Behavior and Interactions of Other Organelles. <i>Frontiers in Plant Science</i> , 2022, 13, 846970.	1.7	8
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15605	A Plastid-Bound Ankyrin Repeat Protein Controls Gametophyte and Early Embryo Development in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 767339.	1.7	2
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15608	Fast evolution of anti-silencing systems shapes the invasiveness of <i>Mu</i> -like DNA transposons in eudicots. <i>EMBO Journal</i> , 2022, 41, e110070.	3.5	7
15609	TRIPTYCHON-LIKE regulates aspects of both fruit flavor and color in citrus. <i>Journal of Experimental Botany</i> , 2022, 73, 3610-3624.	2.4	11
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15611	<i>SEPALLATA</i> -like genes of <i>Isatis indigotica</i> can affect the architecture of the inflorescences and the development of the floral organs. <i>PeerJ</i> , 2022, 10, e13034.	0.9	5
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15613	Overexpression of <i>BnaAGL11</i> , a MADS-Box Transcription Factor, Regulates Leaf Morphogenesis and Senescence in <i>Brassica napus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3420-3434.	2.4	9
15614	Genome-wide analysis of trehalose-6-phosphate phosphatases (TPP) gene family in wheat indicates their roles in plant development and stress response. <i>BMC Plant Biology</i> , 2022, 22, 120.	1.6	17
15615	The <i>Pseudomonas syringae</i> effector AvrPtoB targets abscisic acid signaling pathway to promote its virulence in <i>Arabidopsis</i> . <i>Phytopathology Research</i> , 2022, 4, .	0.9	6

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15617	Tomato <i>CRABS CLAW</i> paralognes interact with chromatin remodelling factors to mediate carpel development and floral determinacy. <i>New Phytologist</i> , 2022, 234, 1059-1074.	3.5	11
15618	The heat is on: a simple method to increase genome editing efficiency in plants. <i>BMC Plant Biology</i> , 2022, 22, 142.	1.6	18
15619	MicroRNA858a, its encoded peptide, and phyto-sulfokine regulate Arabidopsis growth and development. <i>Plant Physiology</i> , 2022, 189, 1397-1415.	2.3	10
15620	ABI5 binding protein2 inhibits ABA responses during germination without ABA-INSENSITIVE5 degradation. <i>Plant Physiology</i> , 2022, 189, 666-678.	2.3	5
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15622	Different acyl-CoA:diacylglycerol acyltransferases vary widely in function, and a targeted amino acid substitution enhances oil accumulation. <i>Journal of Experimental Botany</i> , 2022, 73, 3030-3043.	2.4	6
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15624	EXECUTER2 modulates the EXECUTER1 signalosome through its singlet oxygen-dependent oxidation. <i>Molecular Plant</i> , 2022, 15, 438-453.	3.9	25
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15626	A cytosine base editor toolkit with varying activity windows and target scopes for versatile gene manipulation in plants. <i>Nucleic Acids Research</i> , 2022, 50, 3565-3580.	6.5	21
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15629	Characterization of GABA-Transaminase Gene from Mulberry (<i>Morus multicaulis</i>) and Its Role in Salt Stress Tolerance. <i>Genes</i> , 2022, 13, 501.	1.0	13
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15632	Identification, Expression, and Functional Study of Seven NAC Transcription Factor Genes Involved in Stress Response in Tartary Buckwheat (<i>Fagopyrum tataricum</i> (L.) Gaertn.). <i>Agronomy</i> , 2022, 12, 849.	1.3	3
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15635	Inositol Improves Cold Tolerance Through Inhibiting CBL1 and Increasing Ca ²⁺ Influx in Rapeseed (<i>Brassica napus</i> L.). <i>Frontiers in Plant Science</i> , 2022, 13, 775692.	1.7	5
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15638	Can double <sc>PPO</sc> mutations exist in the same allele and are such mutants functional?. <i>Pest Management Science</i> , 2022, 78, 2258-2264.	1.7	7
15639	SAV4 is required for ethylene-induced root hair growth through stabilizing PIN2 auxin transporter in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 234, 1735-1752.	3.5	4
15640	Functional characterisation of five SVP genes in grape bud dormancy and flowering. <i>Plant Growth Regulation</i> , 2022, 97, 511-522.	1.8	8
15641	A robust mechanism for resetting juvenility during each generation in Arabidopsis. <i>Nature Plants</i> , 2022, 8, 257-268.	4.7	17
15644	Effect of ACGT motif in spatiotemporal regulation of AtAVT6D, which improves tolerance to osmotic stress and nitrogen-starvation. <i>Plant Molecular Biology</i> , 2022, 109, 67-82.	2.0	2
15645	The DREB A-5 Transcription Factor ScDREB5 From <i>Syntrichia caninervis</i> Enhanced Salt Tolerance by Regulating Jasmonic Acid Biosynthesis in Transgenic Arabidopsis. <i>Frontiers in Plant Science</i> , 2022, 13, 857396.	1.7	8
15646	CRISPR-Cas9-mediated chromosome engineering in Arabidopsis thaliana. <i>Nature Protocols</i> , 2022, 17, 1332-1358.	5.5	14
15647	2-Hydroxymelatonin Promotes Seed Germination by Increasing Reactive Oxygen Species Production and Gibberellin Synthesis in Arabidopsis thaliana. <i>Antioxidants</i> , 2022, 11, 737.	2.2	13
15648	The <i>Cellulose Synthase-Like</i> <i>F3</i> (<i>CslF3</i>) Gene Mediates Cell Wall Polysaccharide Synthesis and Affects Root Growth and Differentiation in Barley. <i>Plant Journal</i> , 2022, , .	2.8	3
15649	Interplay between glutathione and mitogen-activated protein kinase 3 via transcription factor WRKY40 under combined osmotic and cold stress in Arabidopsis. <i>Journal of Plant Physiology</i> , 2022, 271, 153664.	1.6	10
15651	ZmPP2C26 Alternative Splicing Variants Negatively Regulate Drought Tolerance in Maize. <i>Frontiers in Plant Science</i> , 2022, 13, 851531.	1.7	19
15652	The seed-specific transcription factor DPBF2 modulates the fatty acid composition in seeds. <i>Plant Direct</i> , 2022, 6, e395.	0.8	3
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15656	Opposing effects of <i>MYZUS PERSICAE</i> -INDUCED LIPASE 1 and jasmonic acid influence the outcome of <i>Arabidopsis thaliana</i> - <i>Fusarium graminearum</i> interaction. <i>Molecular Plant Pathology</i> , 2022, , .	2.0	3
15657	Binding of 14-3-3 ^β to ADF4 is involved in the regulation of hypocotyl growth and response to osmotic stress in Arabidopsis. <i>Plant Science</i> , 2022, 320, 111261.	1.7	6
15658	Carbon starvation, senescence and specific mitochondrial stresses, but not nitrogen starvation and general stresses, are major triggers for mitophagy in Arabidopsis. <i>Autophagy</i> , 2022, 18, 2894-2912.	4.3	12

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15659	PIN3 from <i>Liriodendron</i> May Function in Inflorescence Development and Root Elongation. <i>Forests</i> , 2022, 13, 568.	0.9	1
15660	Isolation and Functional Characterization of a LEAFY Gene in Mango (<i>Mangifera indica</i> L.). <i>International Journal of Molecular Sciences</i> , 2022, 23, 3974.	1.8	10
15661	Integrated transcriptome and proteome analyses provide insight into abiotic stress crosstalks in bermudagrass. <i>Environmental and Experimental Botany</i> , 2022, 199, 104864.	2.0	3
15662	O-glycosylation of the extracellular domain of pollen class I formins modulates their plasma membrane mobility. <i>Journal of Experimental Botany</i> , 2022, 73, 3929-3945.	2.4	6
15664	Autophagy triggered by iron-mediated ER stress is an important stress response to the early phase of Pi starvation in plants. <i>Plant Journal</i> , 2022, 110, 1370-1381.	2.8	5
15665	Plant-specific small peptide AtZSP1 interacts with ROCK1 to regulate organ size in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 234, 1696-1713.	3.5	4
15666	Glutathione regulates transcriptional activation of iron transporters via S-nitrosylation of bHLH factors to modulate subcellular iron homeostasis. <i>Plant, Cell and Environment</i> , 2022, 45, 2176-2190.	2.8	8
15667	Enhanced growth rate under elevated CO ₂ conditions was observed for transgenic lines of genes identified by intraspecific variation analyses in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2022, 110, 333-345.	2.0	4
15668	The <i>Oncidium</i> Ethylene Synthesis Gene <i>Oncidium</i> 1-Aminocyclopropane-1 Carboxylic Acid Synthase 12 and Ethylene Receptor Gene <i>Oncidium</i> ETR1 Affect GA-DELLA and Jasmonic Acid Signaling in Regulating Flowering Time, Anther Dehiscence, and Flower Senescence in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 785441.	1.7	5
15669	Autophagy promotes programmed cell death and corpse clearance in specific cell types of the <i>Arabidopsis</i> root cap. <i>Current Biology</i> , 2022, 32, 2110-2119.e3.	1.8	18
15670	Carbon Nanotube-Mediated Plasmid DNA Delivery in Rice Leaves and Seeds. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4081.	1.8	18
15672	Systems biology-based analysis indicates that PHO1;H10 positively modulates high light-induced anthocyanin biosynthesis in <i>Arabidopsis</i> leaves. <i>Genomics</i> , 2022, , 110363.	1.3	0
15673	Monomerization of abscisic acid receptors through CARKs-mediated phosphorylation. <i>New Phytologist</i> , 2022, 235, 533-549.	3.5	5
15674	The non-specific lipid transfer protein GmLtp1.3 is involved in drought and salt tolerance in soybean. <i>Environmental and Experimental Botany</i> , 2022, 196, 104823.	2.0	3
15675	PgLEA, a gene for late embryogenesis abundant protein from <i>Panax ginseng</i> , enhances drought and salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Biologia Plantarum</i> , 0, 66, 83-95.	1.9	0
15677	Genome-wide identification and characterization of bZIP gene family and cloning of candidate genes for anthocyanin biosynthesis in pomegranate (<i>Punica granatum</i>). <i>BMC Plant Biology</i> , 2022, 22, 170.	1.6	17
15678	Early wound-responsive cues regulate the expression of WRKY family genes in chickpea differently under wounded and unwounded conditions. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 719-735.	1.4	3
15679	NAD ⁺ supply adjusts the synthesis of photosystem I in <i>Arabidopsis</i> chloroplasts. <i>Plant Physiology</i> , 2022, 189, 2128-2143.	2.3	19

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15681	Downregulation of a gibberellin 3 β -hydroxylase enhances photosynthesis and increases seed yield in soybean. <i>New Phytologist</i> , 2022, 235, 502-517.	3.5	26
15682	HEXOKINASE1 forms a nuclear complex with the PRC2 subunits CURLY LEAF and SWINGER to regulate glucose signaling. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1168-1180.	4.1	10
15683	Overexpression of sesame polyketide synthase A leads to abnormal pollen development in Arabidopsis. <i>BMC Plant Biology</i> , 2022, 22, 165.	1.6	0
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15685	Evolutionarily Conserved and Non-Conserved Roles of Heterotrimeric G \pm Proteins of Plants. <i>Plant and Cell Physiology</i> , 2022, 63, 817-828.	1.5	2
15686	Arabidopsis mediator subunit17 connects transcription with DNA repair after UV-B exposure. <i>Plant Journal</i> , 2022, 110, 1047-1067.	2.8	9
15687	CLE42 delays leaf senescence by antagonizing ethylene pathway in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 235, 550-562.	3.5	23
15688	Proteomic analysis reveals the molecular mechanism underlying the cold acclimation and freezing tolerance of wheat (<i>Triticum aestivum</i> L.). <i>Plant Science</i> , 2022, 318, 111242.	1.7	11
15689	Isolation and functional validation of the VvZFP11 promoter associated with a signaling molecule and powdery mildew responses in grapevine. <i>Scientia Horticulturae</i> , 2022, 298, 110980.	1.7	4
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15691	Ectopic expression of γ -glutamylcysteine synthetase of <i>Vicia sativa</i> increased cadmium tolerance in Arabidopsis. <i>Gene</i> , 2022, 823, 146358.	1.0	5
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15693	ATL8, a RING E3 ligase, modulates root growth and phosphate homeostasis in Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2022, 179, 90-99.	2.8	9
15694	Overexpression of PvSTK1 gene from Switchgrass (<i>Panicum virgatum</i> L.) affects flowering time and development of floral organ in transgenic Arabidopsis thaliana. <i>Plant Physiology and Biochemistry</i> , 2022, 178, 93-104.	2.8	3
15695	Functional analysis of a PISTILLATA-like gene CcMADS20 involved in floral organs specification in citrus. <i>Plant Science</i> , 2022, 319, 111263.	1.7	3
15696	Inducing bract-like leaves in Arabidopsis through ectopically expressing an ASR gene from the dove tree. <i>Industrial Crops and Products</i> , 2022, 180, 114796.	2.5	1
15697	Orphan gene PpARDT positively involved in drought tolerance potentially by enhancing ABA response in <i>Physcomitrium</i> (<i>Physcomitrella</i>) patens. <i>Plant Science</i> , 2022, 319, 111222.	1.7	7

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15700	Overexpression of DsEXLA2 gene from <i>Dendrocalamus sinicus</i> accelerates the plant growth rate of <i>Arabidopsis</i> . <i>Phytochemistry</i> , 2022, 199, 113178.	1.4	4
15701	PdEPFL6 reduces stomatal density to improve drought tolerance in poplar. <i>Industrial Crops and Products</i> , 2022, 182, 114873.	2.5	13
15702	UNFERTILIZED EMBRYO SAC 12 phosphorylation plays a crucial role in conferring salt tolerance. <i>Plant Physiology</i> , 2022, 188, 1385-1401.	2.3	9
15703	The N-terminally truncated helper NLR <i>NRG1C</i> antagonizes immunity mediated by its full-length neighbors <i>NRG1A</i> and <i>NRG1B</i> . <i>Plant Cell</i> , 2022, 34, 1621-1640.	3.1	22
15704	A vacuolar hexose transport is required for xylem development in the inflorescence stem. <i>Plant Physiology</i> , 2022, 188, 1229-1247.	2.3	12
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15710	Receptor-like cytoplasmic kinases PBL34/35/36 are required for CLE peptide-mediated signaling to maintain shoot apical meristem and root apical meristem homeostasis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 1289-1307.	3.1	15
15712	Transcriptomic and physiological analysis reveals interplay between salicylic acid and drought stress in citrus tree floral initiation. <i>Planta</i> , 2022, 255, 24.	1.6	20
15714	A unique flavoenzyme operates in ubiquinone biosynthesis in photosynthesis-related eukaryotes. <i>Science Advances</i> , 2021, 7, eabl3594.	4.7	10
15715	Knockout of <i>Arabidopsis thaliana</i> VEP1, Encoding a PRISE (Progesterone 5 β -Reductase/Iridoid) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18 (MVK). <i>Metabolites</i> , 2022, 12, 11.	1.3	9
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15717	Developing a platform for production of the oxylipin KODA in plants. <i>Journal of Experimental Botany</i> , 2022, 73, 3044-3052.	2.4	3
15718	Overexpression of CpWRKY75 from <i>Chimonanthus praecox</i> Promotes Flowering Time in Transgenic <i>Arabidopsis</i> . <i>Genes</i> , 2022, 13, 68.	1.0	2

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15721	Oxylipin signaling in salt-stressed soybean is modulated by ligand-dependent interaction of Class II acyl-CoA-binding proteins with lipoxygenase. <i>Plant Cell</i> , 2022, 34, 1117-1143.	3.1	10
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15729	Studying the Function of Phytoplasma Effector Proteins Using a Chemical-Inducible Expression System in Transgenic Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13582.	1.8	3
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15735	Characterization of a <i>Haematococcus pluvialis</i> Diacylglycerol Acyltransferase 1 and Its Potential in Unsaturated Fatty Acid-Rich Triacylglycerol Production. <i>Frontiers in Plant Science</i> , 2021, 12, 771300.	1.7	5
15736	Functional Conservation and Divergence of Five AP1/FUL-like Genes in Marigold (<i>Tagetes erecta</i> L.). <i>Genes</i> , 2021, 12, 2011.	1.0	3
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15743	The key regulator LcERF056 enhances salt tolerance by modulating reactive oxygen species-related genes in <i>Lotus corniculatus</i> . <i>BMC Plant Biology</i> , 2021, 21, 605.	1.6	11
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15746	Antagonistic modules regulate photosynthesis-associated nuclear genes via GOLDEN2-LIKE transcription factors. <i>Plant Physiology</i> , 2022, 188, 2308-2324.	2.3	15
15747	Pol IV and RDR2: A two-RNA-polymerase machine that produces double-stranded RNA. <i>Science</i> , 2021, 374, 1579-1586.	6.0	30
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15749	Characterization of the Chitinase Gene Family in Mulberry (<i>Morus notabilis</i>) and MnChi18 Involved in Resistance to <i>Botrytis cinerea</i> . <i>Genes</i> , 2022, 13, 98.	1.0	15
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15754	Species-specific partial gene duplication in <i>Arabidopsis thaliana</i> evolved novel phenotypic effects on morphological traits under strong positive selection. <i>Plant Cell</i> , 2022, 34, 802-817.	3.1	15
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15761	Functional analysis of the <italic>GhCYP94C1</italic> gene in seed germination and flowering time of upland cotton. <i>Scientia Sinica Vitae</i> , 2022, 52, 476-490.	0.1	1
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15763	A plant-specific module for homologous recombination repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202970119.	3.3	15
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15773	The bacterial effector AvrRxo1 inhibits vitamin B6 biosynthesis to promote infection in rice. <i>Plant Communications</i> , 2022, 3, 100324.	3.6	12
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15775	A Non-redundant Function of MNS5: A Class I \pm -1, 2 Mannosidase, in the Regulation of Endoplasmic Reticulum-Associated Degradation of Misfolded Glycoproteins. <i>Frontiers in Plant Science</i> , 2022, 13, 873688.	1.7	2
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15783	Microtubules promote the non-cell autonomous action of microRNAs by inhibiting their cytoplasmic loading onto ARGONAUTE1 in Arabidopsis. <i>Developmental Cell</i> , 2022, 57, 995-1008.e5.	3.1	22
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15785	The Arabidopsis F-box protein FBW2 targets AGO1 for degradation to prevent spurious loading of illegitimate small RNA. <i>Cell Reports</i> , 2022, 39, 110671.	2.9	16
15786	Control of Root Stem Cell Differentiation and Lateral Root Emergence by CLE16/17 Peptides in Arabidopsis. <i>Frontiers in Plant Science</i> , 2022, 13, 869888.	1.7	1
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15788	A split green fluorescent protein system to enhance spatial and temporal sensitivity of translating ribosome affinity purification. <i>Plant Journal</i> , 2022, 111, 304-315.	2.8	2
15789	MicroRNA172 controls inflorescence meristem size through regulation of APETALA2 in Arabidopsis. <i>New Phytologist</i> , 2022, 235, 356-371.	3.5	10
15790	Natural variation and improved genome annotation of the emerging biofuel crop field pennycress (<i>Thlaspi arvense</i>). <i>G3: Genes, Genomes, Genetics</i> , 2022, , .	0.8	5
15791	A nitric oxide burst at the shoot apex triggers a heat-responsive pathway in Arabidopsis. <i>Nature Plants</i> , 2022, 8, 434-450.	4.7	20
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15793	PcWRKY11, an II-d WRKY Transcription Factor from Polygonum cuspidatum, Enhances Salt Tolerance in Transgenic Arabidopsis thaliana. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4357.	1.8	12
15794	EXPLICITâ€Kinase: A gene expression predictor for dissecting the functions of the Arabidopsis kinome. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1374-1393.	4.1	4

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16753	Overexpression of Tomato <i>SIZ2</i> in <i>Arabidopsis</i> Improves Plant Salinity Tolerance. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	2.8	0
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16853	Alternative splicing of <i>REGULATOR OF LEAF INCLINATION 1</i> modulates phosphate starvation signaling and growth in plants. <i>Plant Cell</i> , 2022, 34, 3319-3338.	3.1	24
16854	Receptor-like protein kinase BAK1 promotes K ⁺ uptake by regulating H ⁺ -ATPase AHA2 under low potassium stress. <i>Plant Physiology</i> , 2022, 189, 2227-2243.	2.3	8
16855	Metabolic control of arginine and ornithine levels paces the progression of leaf senescence. <i>Plant Physiology</i> , 2022, 189, 1943-1960.	2.3	15
16856	The R2R3 MYB Transcription Factor MYB71 Regulates Abscisic Acid Response in <i>Arabidopsis</i> . <i>Plants</i> , 2022, 11, 1369.	1.6	8
16857	Replication protein RPA2A regulates floral transition by cooperating with PRC2 in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 235, 2439-2453.	3.5	4
16858	Proline metabolism regulation in <i>Spartina alterniflora</i> and <i>SaP5CS2</i> gene positively regulates salt stress tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Journal of Plant Interactions</i> , 2022, 17, 632-642.	1.0	3

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16860	Countering elevated CO_2 induced Fe and Zn reduction in <i>Arabidopsis</i> seeds. <i>New Phytologist</i> , 2022, 235, 1796-1806.	3.5	6
16862	Grape ASR Regulates Glucose Transport, Metabolism and Signaling. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6194.	1.8	4
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16864	The host exocyst complex is targeted by a conserved bacterial type-III effector that promotes virulence. <i>Plant Cell</i> , 2022, 34, 3400-3424.	3.1	17
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16867	Expression Analysis of TCP Transcription Factor Family in Autopolyploids of <i>Chrysanthemum nankingense</i> . <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	3
16868	<i>MYC</i> transcription factors coordinate tryptophan-dependent defence responses and compromise seed yield in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 236, 132-145.	3.5	16
16869	<i>miR156</i> -independent repression of the ageing pathway by longevity-promoting <i>AHL</i> proteins in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 235, 2424-2438.	3.5	7
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16871	Soybean F-Box-Like Protein GmFBL144 Interacts With Small Heat Shock Protein and Negatively Regulates Plant Drought Stress Tolerance. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
16872	Friend or foe: Hybrid proline-rich proteins determine how plants respond to beneficial and pathogenic microbes. <i>Plant Physiology</i> , 2022, 190, 860-881.	2.3	10
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16874	<i>GhBZR3</i> suppresses cotton fiber elongation by inhibiting very-long-chain fatty acid biosynthesis. <i>Plant Journal</i> , 2022, 111, 785-799.	2.8	11
16875	Tandem Mass Tag-Based Quantitative Proteomics Reveals Implication of a Late Embryogenesis Abundant Protein (BnLEA57) in Seed Oil Accumulation in <i>Brassica napus</i> L.. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	4
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16877	HSP90 Contributes to chs3-2D-Mediated Autoimmunity. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	0

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16885	Phytochrome-Dependent Regulation of ZFP6 and ZFPH Impacts Photomorphogenesis in Arabidopsis thaliana. Frontiers in Plant Science, 2022, 13, .	1.7	1
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16906	The retrograde signaling regulator ANAC017 recruits the MKK9&MPK3/6, ethylene, and auxin signaling pathways to balance mitochondrial dysfunction with growth. Plant Cell, 2022, 34, 3460-3481.	3.1	15
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16941	Glucose Supply Induces PsMYB2-Mediated Anthocyanin Accumulation in <i>Paeonia suffruticosa</i> "Tai Yang" Cut Flower. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
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16950	VaMYB44 transcription factor from Chinese wild <i>Vitis amurensis</i> negatively regulates cold tolerance in transgenic <i>Arabidopsis thaliana</i> and <i>V. vinifera</i> . <i>Plant Cell Reports</i> , 2022, 41, 1673-1691.	2.8	3
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16953	<i>WUSCHEL</i> -related homeobox genes cooperate with cytokinin to promote bulbil formation in <i>Lilium lancifolium</i> . <i>Plant Physiology</i> , 2022, 190, 387-402.	2.3	15
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16961	A positive feedback regulatory loop, SA-AtNAP-SAG202/SARD1-ICS1-SA, in SA biosynthesis involved in leaf senescence but not defense response. <i>Molecular Horticulture</i> , 2022, 2, .	2.3	6
16962	Relaxation of the Plant Cell Wall Barrier via Zwitterionic Liquid Pretreatment for Micelle-Mediated DNA Delivery to Specific Plant Organelles. <i>Angewandte Chemie</i> , 0, , .	1.6	0
16963	Genome-Wide Analysis of the Peptidase M24 Superfamily in <i>Triticum aestivum</i> Demonstrates That TaM24-9 Is Involved in Abiotic Stress Response. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6904.	1.8	0
16964	Heterologous Expression and Characterization of Plant Wax Ester Producing Enzymes. <i>Metabolites</i> , 2022, 12, 577.	1.3	1
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16977	Overexpression of GhABF3 increases cotton (<i>Gossypium hirsutum</i> L.) tolerance to salt and drought. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	9
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16980	A rapid and efficient protocol for genotype-independent, Agrobacterium-mediated transformation of indica and japonica rice using mature seed-derived embryogenic calli. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 151, 59-73.	1.2	4
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16984	Point mutations that boost aromatic amino acid production and CO ₂ assimilation in plants. <i>Science Advances</i> , 2022, 8, .	4.7	7
16985	Abscisic acid influences ammonium transport via regulation of kinase CIPK23 and ammonium transporters. <i>Plant Physiology</i> , 0, , .	2.3	7
16986	The calcium signaling module Ca ²⁺ /IQM destabilizes IAA-ARF interaction to regulate callus and lateral root formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13
16987	Expression of Modified Snowdrop Lectin (<i>Galanthus nivalis</i> Agglutinin) Protein Confers Aphids and <i>Plutella xylostella</i> Resistance in <i>Arabidopsis</i> and Cotton. <i>Genes</i> , 2022, 13, 1169.	1.0	0

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16990	A SHORTROOT-Mediated Transcriptional Regulatory Network for Vascular Development in the Arabidopsis Shoot. <i>Journal of Plant Biology</i> , 2022, 65, 341-355.	0.9	3
16991	ERF4 interacts with and antagonizes TCP15 in regulating endoreduplication and cell growth in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1673-1689.	4.1	11
16992	Pentatricopeptide repeat protein MITOCHONDRIAL STABILITY FACTOR 3 ensures mitochondrial RNA stability and embryogenesis. <i>Plant Physiology</i> , 2022, 190, 669-681.	2.3	12
16993	The Arabidopsis <i>WRR4A</i> and <i>WRR4B</i> paralogous <i>NLR</i> proteins both confer recognition of multiple <i>Albugo candida</i> effectors. <i>New Phytologist</i> , 2023, 237, 532-547.	3.5	7
16994	CPK28-NLP7 module integrates cold-induced Ca ²⁺ signal and transcriptional reprogramming in <i>Arabidopsis</i> . <i>Science Advances</i> , 2022, 8, .	4.7	35
16995	RsGSTF12 Contributes to Anthocyanin Sequestration in Radish (<i>Raphanus sativus</i> L.). <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	7
16996	Transcriptomic and Widely Targeted Metabolomic Approach Identified Diverse Group of Bioactive Compounds, Antiradical Activities, and Their Associated Genes in Six Sugarcane Varieties. <i>Antioxidants</i> , 2022, 11, 1319.	2.2	6
16997	The plant ESCRT component FREE1 regulates peroxisome-mediated turnover of lipid droplets in germinating <i>Arabidopsis</i> seedlings. <i>Plant Cell</i> , 2022, 34, 4255-4273.	3.1	9
16998	<i>FLOWERING REPRESSOR AAA</i> ⁺ <i>ATPase</i> 1 is a novel regulator of perennial flowering in <i>Arabis alpina</i> . <i>New Phytologist</i> , 2022, 236, 729-744.	3.5	5
16999	Overexpression of McHB7 Transcription Factor from <i>Mesembryanthemum crystallinum</i> Improves Plant Salt Tolerance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7879.	1.8	5
17000	Heterologous Expression of MFWRKY7 of Resurrection Plant <i>Myrothamnus flabellifolia</i> Enhances Salt and Drought Tolerance in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7890.	1.8	5
17001	DROUGHT-INDUCED UNKNOWN PROTEIN 1 positively modulates drought tolerance in cultivated alfalfa (<i>Medicago sativa</i> L.). <i>Crop Journal</i> , 2022, , .	2.3	2
17002	ELO2 Participates in the Regulation of Osmotic Stress Response by Modulating Nitric Oxide Accumulation in Arabidopsis. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
17003	The significance of WRKY45 transcription factor in metabolic adjustments during dark-induced leaf senescence. <i>Plant, Cell and Environment</i> , 2022, 45, 2682-2695.	2.8	9
17004	SICKLE represses photomorphogenic development of <i>Arabidopsis</i> seedlings via HY5 and PIF4-mediated signaling. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1706-1723.	4.1	4
17005	ROP Interactive Partners are Involved in the Control of Cell Division Patterns in Arabidopsis Leaves. <i>Plant and Cell Physiology</i> , 2022, 63, 1130-1139.	1.5	4

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17007	Heterologous expression of a <i>Fraxinus velutina</i> SnRK2 gene in <i>Arabidopsis</i> increases salt tolerance by modifying root development and ion homeostasis. <i>Plant Cell Reports</i> , 2022, 41, 1895-1906.	2.8	3
17009	Two magnesium transporters in the chloroplast inner envelope essential for thylakoid biogenesis in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2022, 236, 464-478.	3.5	8
17010	AP1G2 Affects Mitotic Cycles of Female and Male Gametophytes in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
17011	Expression of GEX1 Orthologs of <i>Brassica rapa</i> and <i>Oryza sativa</i> Rescued the Nuclear Fusion Defect of the <i>Arabidopsis</i> GEX1 Mutant. <i>Plants</i> , 2022, 11, 1808.	1.6	2
17013	PHR1 positively regulates phosphate starvation-induced anthocyanin accumulation through direct upregulation of genes F3 ^{TMH} and LDOX in <i>Arabidopsis</i> . <i>Planta</i> , 2022, 256, .	1.6	9
17014	Interplay between R2R3 MYB-type activators and repressors regulates proanthocyanidin biosynthesis in banana (<i>Musa acuminata</i>). <i>New Phytologist</i> , 2022, 236, 1108-1127.	3.5	14
17016	MdNup62 interactions with MdHSFs involved in flowering and heat-stress tolerance in apple. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	5
17017	Abscisic acid-dependent PMT1 expression regulates salt tolerance by alleviating abscisic acid-mediated reactive oxygen species production in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1803-1820.	4.1	4
17018	Two transporters mobilize magnesium from vacuolar stores to enable plant acclimation to magnesium deficiency. <i>Plant Physiology</i> , 2022, 190, 1307-1320.	2.3	10
17019	Sulfenylation of ENOLASE2 facilitates H ₂ O ₂ -conferred freezing tolerance in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2022, 57, 1883-1898.e5.	3.1	18
17021	Analysis and Characterization of MADS-box Genes from <i>Davidia involucrata</i> Baill. and Regulation of Flowering Time in <i>Arabidopsis</i> . <i>Russian Journal of Plant Physiology</i> , 2022, 69, .	0.5	0
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17025	The wheat (<i>Triticum aestivum</i> L.) MADS-box transcription factor TaMADS32 plays a role in response to abiotic stresses. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 451-461.	0.5	3
17026	A diRNA-protein scaffold module mediates SMC5/6 recruitment in plant DNA repair. <i>Plant Cell</i> , 2022, 34, 3899-3914.	3.1	9
17027	MdNup54 Interactions With MdHSP70 Involved in Flowering in Apple. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1

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17029	Synthetic memory circuits for stable cell reprogramming in plants. <i>Nature Biotechnology</i> , 2022, 40, 1862-1872.	9.4	35
17031	ALBA proteins confer thermotolerance through stabilizing HSF messenger RNAs in cytoplasmic granules. <i>Nature Plants</i> , 2022, 8, 778-791.	4.7	24
17032	Sucrose rather than <sc>GA</sc> transported by <sc>AtSWEET13</sc> and <sc>AtSWEET14</sc> supports pollen fitness at late anther development stages. <i>New Phytologist</i> , 2022, 236, 525-537.	3.5	17
17033	Translational fidelity and growth of Arabidopsis require stress-sensitive diphthamide biosynthesis. <i>Nature Communications</i> , 2022, 13, .	5.8	6
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17038	SICKLE modulates lateral root development by promoting degradation of lariat intronic RNA. <i>Plant Physiology</i> , 0, , .	2.3	4
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17041	Endoplasmic reticulum oxidoreductin provides resilience against reductive stress and hypoxic conditions by mediating luminal redox dynamics. <i>Plant Cell</i> , 2022, 34, 4007-4027.	3.1	22
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17043	Genome-Wide Analysis of the HDAC Gene Family and Its Functional Characterization at Low Temperatures in Tartary Buckwheat (<i>Fagopyrum tataricum</i>). <i>International Journal of Molecular Sciences</i> , 2022, 23, 7622.	1.8	8
17044	ERECTA regulates seed size independently of its intracellular domain via MAPK-DA1-UBP15 signaling. <i>Plant Cell</i> , 2022, 34, 3773-3789.	3.1	12
17045	Regulation of jasmonate signaling by reversible acetylation of TOPLESS in Arabidopsis. <i>Molecular Plant</i> , 2022, 15, 1329-1346.	3.9	23
17046	Mutation in BrGGL7 gene encoding a GDSL esterase / lipase causes male sterility in Chinese cabbage (<i>Brassica rapa</i> L. ssp. <i>pekinensis</i>). <i>Theoretical and Applied Genetics</i> , 2022, 135, 3323-3335.	1.8	3
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17050	The transcription factor AtHB23 modulates starch turnover for root development and plant survival under salinity. <i>Environmental and Experimental Botany</i> , 2022, 201, 104994.	2.0	4
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17063	The P-type pentatricopeptide repeat protein DWEORG1 is a non-previously reported rPPR protein of Arabidopsis mitochondria. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
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17068	<i>Arabidopsis</i> Glucan Synthase-Like1 (GSL1) Is Required for Tolerance to Low-Calcium Conditions and Exhibits a Function Comparable to <i>GSL10</i> . <i>Plant and Cell Physiology</i> , 2022, 63, 1474-1484.	1.5	2
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17073	SaRCC1, a Regulator of Chromosome Condensation 1 (RCC1) Family Protein Gene from <i>Spartina alterniflora</i> , Negatively Regulates Salinity Stress Tolerance in Transgenic <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 8172.	1.8	4
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17076	ADP-ribosylation factor D1 modulates Golgi morphology, cell plate formation, and plant growth in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2022, 190, 1199-1213.	2.3	7
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17079	Grapevine VviERF105 promotes tolerance to abiotic stress and is degraded by the E3 ubiquitin ligase VviPUB19. <i>Environmental and Experimental Botany</i> , 2022, 201, 105001.	2.0	1
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17088	NAC transcription factor TgNAP promotes tulip petal senescence. <i>Plant Physiology</i> , 2022, 190, 1960-1977.	2.3	16
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17090	AaZFP3, a Novel CCCH-Type Zinc Finger Protein from <i>Adonis amurensis</i> , Promotes Early Flowering in <i>Arabidopsis</i> by Regulating the Expression of Flowering-Related Genes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8166.	1.8	4
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17097	A WRKY Protein, MfWRKY40, of Resurrection Plant <i>Myrothamnus flabellifolia</i> Plays a Positive Role in Regulating Tolerance to Drought and Salinity Stresses of <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 8145.	1.8	6
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17099	A receptorâ€“channel trio conducts Ca ²⁺ signalling for pollen tube reception. <i>Nature</i> , 2022, 607, 534-539.	13.7	44
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17101	A lncRNA fine-tunes salicylic acid biosynthesis to balance plant immunity and growth. <i>Cell Host and Microbe</i> , 2022, 30, 1124-1138.e8.	5.1	35
17102	Non-cell-autonomous regulation of petal initiation in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2022, 149, .	1.2	1
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17105	Comprehensive analysis of YABBY gene family in foxtail millet (<i>Setaria italica</i>) and functional characterization of SiDL. <i>Journal of Integrative Agriculture</i> , 2022, 21, 2876-2887.	1.7	5
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17109	Identification of GmGPATs and their effect on glycerolipid biosynthesis through seed-specific expression in soybean. <i>Molecular Biology Reports</i> , 2022, 49, 9585-9592.	1.0	6
17110	Cloning and functional analysis of 1-deoxy-d-xylulose-5-phosphate synthase (DXS) in <i>Santalum album</i> L. <i>Gene</i> , 2023, 851, 146762.	1.0	2
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17120	MCU proteins dominate in vivo mitochondrial Ca ²⁺ uptake in <i>Arabidopsis</i> roots. <i>Plant Cell</i> , 2022, 34, 4428-4452.	3.1	13
17121	Overexpression of cotton genes GhDIR4 and GhPRXIIB in <i>Arabidopsis thaliana</i> improves plant resistance to root-knot nematode (<i>Meloidogyne incognita</i>) infection. <i>3 Biotech</i> , 2022, 12, .	1.1	2
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17129	Characterization of the R2R3-MYB Transcription Factor CsMYB113 Regulates Anthocyanin Biosynthesis in Tea Plants (<i>Camellia sinensis</i>). <i>Plant Molecular Biology Reporter</i> , 0, , .	1.0	1
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17137	Temperature modulation of <i>CAMTA3</i> gene induction activity is mediated through the <i>DNA</i> binding domain. <i>Plant Journal</i> , 2022, 112, 235-248.	2.8	8
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17145	Expression and Functional Analyses of the WIP Gene Family in <i>Arabidopsis</i> . <i>Plants</i> , 2022, 11, 2010.	1.6	2
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17148	Characterization of NAC transcription factor NtNAC028 as a regulator of leaf senescence and stress responses. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
17149	intERâ€œACTING: The structure and dynamics of ER and actin are interlinked. <i>Journal of Microscopy</i> , 2023, 291, 105-118.	0.8	5
17150	Tissue-targeted inorganic pyrophosphate hydrolysis in a <i>fugu5</i> mutant reveals that excess inorganic pyrophosphate triggers developmental defects in a cell-autonomous manner. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17151	The ABCISIC ACID INSENSITIVE (ABI) 4 Transcription Factor Is Stabilized by Stress, ABA and Phosphorylation. <i>Plants</i> , 2022, 11, 2179.	1.6	7
17152	Improved abiotic stress tolerance in <i>Arabidopsis</i> by constitutive active form of a banana DREB2 type transcription factor, MaDREB20.CA, than its native form, MaDREB20. <i>Protoplasma</i> , 2023, 260, 671-690.	1.0	4
17153	The START domain mediates <i>Arabidopsis</i> GLABRA2 dimerization and turnover independently of homeodomain DNA binding. <i>Plant Physiology</i> , 2022, 190, 2315-2334.	2.3	7
17154	The MicroRNA397a-LACCASE17 module regulates lignin biosynthesis in <i>Medicago ruthenica</i> (L.). <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
17155	Transcription factor NTL9 negatively regulates <i>Arabidopsis</i> vascular cambium development during stem secondary growth. <i>Plant Physiology</i> , 2022, 190, 1731-1746.	2.3	8
17156	HPCA1 is required for systemic reactive oxygen species and calcium cell-to-cell signaling and plant acclimation to stress. <i>Plant Cell</i> , 2022, 34, 4453-4471.	3.1	50
17157	The DC1 Domain Protein BINUCLEATE POLLEN is Required for POLLEN Development in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2023, 63, 1994-2007.	1.5	2
17158	The cellular basis for synergy between RCO and KNOX1 homeobox genes in leaf shape diversity. <i>Current Biology</i> , 2022, 32, 3773-3784.e5.	1.8	13
17159	COP1 SUPPRESSOR 6 represses the PIF4 and PIF5 action to promote lightâ€œinhibited hypocotyl growth. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 2097-2110.	4.1	3
17160	Spatially patterned hydrogen peroxide orchestrates stomatal development in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	22
17161	<i>SHOOT MERISTEMLESS</i> participates in the heterophylly of <i>Hygrophila difformis</i> (Acanthaceae). <i>Plant Physiology</i> , 2022, 190, 1777-1791.	2.3	7
17162	A tonoplastâ€œlocalized magnesium transporter is crucial for stomatal opening in <i>Arabidopsis</i> under high Mg ²⁺ conditions. <i>New Phytologist</i> , 2022, 236, 864-877.	3.5	4
17163	A Ca ²⁺ -sensor switch for tolerance to elevated salt stress in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2022, 57, 2081-2094.e7.	3.1	30
17164	<i>NUCLEAR TRANSPORT FACTOR 2â€œLIKE</i> improves drought tolerance by modulating leaf water loss in alfalfa (<i>Medicago sativa</i> L.). <i>Plant Journal</i> , 2022, 112, 429-450.	2.8	6

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17165	A competitionâ€ attenuation mechanism modulates thermoresponsive growth at warm temperatures in plants. <i>New Phytologist</i> , 2023, 237, 177-191.	3.5	10
17166	Exploiting breakdown in nonhost effectorâ€ target interactions to boost host disease resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	17
17167	FE UPTAKEâ€ INDUCING PEPTIDE1 maintains Fe translocation by controlling Fe deficiency response genes in the vascular tissue of <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2022, 45, 3322-3337.	2.8	7
17168	Regulation of primary seed dormancy by MAJOR LATEX PROTEIN-LIKE PROTEIN329 in <i>Arabidopsis</i> is dependent on DNA-BINDING ONE ZINC FINGER6. <i>Journal of Experimental Botany</i> , 2022, 73, 6838-6852.	2.4	4
17169	Development of Better Wheat Plants for Climate Change Conditions. , 0, , .		1
17170	Comparative transcriptomic analysis of <i>Rosa sterilis</i> inflorescence branches with different trichome types reveals an R3-MYB transcription factor that negatively regulates trichome formation. <i>Journal of Integrative Agriculture</i> , 2022, 21, 2926-2942.	1.7	2
17171	Mesophyll specific expression of a bacterial mercury transporter-based vacuolar sequestration machinery sufficiently enhances mercury tolerance of <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17172	Loss of function of an <i>Arabidopsis</i> homologue of <i>JMJD6</i> suppresses the dwarf phenotype of <i>acl5</i> , a mutant defective in thermospermine biosynthesis. <i>FEBS Letters</i> , 2022, 596, 3005-3014.	1.3	1
17173	Cell- and noncell-autonomous AUXIN RESPONSE FACTOR3 controls meristem proliferation and phyllotactic patterns. <i>Plant Physiology</i> , 2022, 190, 2335-2349.	2.3	10
17174	AtEAU1 and AtEAU2, Two EAR Motif-Containing ABA Up-Regulated Novel Transcription Repressors Regulate ABA Response in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 9053.	1.8	2
17175	Whole-transcriptome analysis of differentially expressed genes between ray and disc florets and identification of flowering regulatory genes in <i>Chrysanthemum morifolium</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17176	Genome-wide identification of nitrate transporter genes from <i>Spirodela polyrhiza</i> and characterization of SpNRT1.1 function in plant development. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17177	Ubiquitome profiling reveals a regulatory pattern of UPL3 with UBP12 on metabolic-leaf senescence. <i>Life Science Alliance</i> , 2022, 5, e202201492.	1.3	3
17178	ALDH2C4 regulates cuticle thickness and reduces water loss to promote drought tolerance. <i>Plant Science</i> , 2022, 323, 111405.	1.7	2
17179	<i>Oryza coarctata</i> PROTEIN L-ISOASPARTYL METHYLTRANSFERASE (PIMT) repairs isoaspartyl modification to antioxidative enzymes and is implicated in seed traits in rice. <i>Environmental and Experimental Botany</i> , 2022, 202, 105027.	2.0	2
17180	HvGST4 enhances tolerance to multiple abiotic stresses in barley: Evidence from integrated meta-analysis to functional verification. <i>Plant Physiology and Biochemistry</i> , 2022, 188, 47-59.	2.8	5
17181	<i>Linum usitatissimum</i> FUSCA3â€1 regulates plant architecture and seed storage reserve accumulation in <i>Arabidopsis thaliana</i> . <i>Environmental and Experimental Botany</i> , 2022, 202, 105035.	2.0	0
17182	PpPIF8, a DELLA2-interacting protein, regulates peach shoot elongation possibly through auxin signaling. <i>Plant Science</i> , 2022, 323, 111409.	1.7	5

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17183	Cytokinin regulates female gametophyte development by cell cycle modulation in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2022, 324, 111419.	1.7	2
17184	AtHB40 modulates primary root length and gravitropism involving CYCLINB and auxin transporters. <i>Plant Science</i> , 2022, 324, 111421.	1.7	6
17185	The wheat TaIQD3D-6 gene encodes a microtubule-associated protein and regulates cell morphogenesis in <i>Arabidopsis</i> . <i>Plant Science</i> , 2022, 324, 111420.	1.7	3
17186	Stress responsive OsHyPRP16 promoter driven early expression of resistance gene Pi54 potentiate the resistance against <i>Magnaporthe oryzae</i> in transgenic rice. <i>Plant Science</i> , 2022, 324, 111413.	1.7	3
17187	Genome-wide analysis of DGAT gene family in <i>Perilla frutescens</i> and functional characterization of PfDGAT2-2 and PfDGAT3-1 in <i>Arabidopsis</i> . <i>Plant Science</i> , 2022, 324, 111426.	1.7	4
17188	Insights into the mechanism of chlorophyll and carotenoid metabolism regulated by BoPIF4 and BobHLH66 in broccoli. <i>Postharvest Biology and Technology</i> , 2022, 194, 112076.	2.9	4
17189	WAVY GROWTH <i>Arabidopsis</i> E3 ubiquitin ligases affect apical PIN sorting decisions. <i>Nature Communications</i> , 2022, 13, .	5.8	8
17191	Roles of Species-Specific Legumains in Pathogenicity of the Pinewood Nematode <i>Bursaphelenchus xylophilus</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 10437.	1.8	2
17192	Phosphorylation of the auxin signaling transcriptional repressor IAA15 by MPKs is required for the suppression of root development under drought stress in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2022, 50, 10544-10561.	6.5	13
17193	WRKY41/WRKY46-miR396b-5p-TPR module mediates abscisic acid-induced cold tolerance of grafted cucumber seedlings. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17194	Genome-Wide Identification of Polyamine Oxidase (PAO) Family Genes: Roles of CaPAO2 and CaPAO4 in the Cold Tolerance of Pepper (<i>Capsicum annuum</i> L.). <i>International Journal of Molecular Sciences</i> , 2022, 23, 9999.	1.8	5
17195	Identification of MADS-Box Transcription Factors in <i>Iris laevigata</i> and Functional Assessment of IISep3 and IISVP during Flowering. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9950.	1.8	3
17196	Glucose-driven TOR signaling controls plant development. <i>Nature</i> , 2022, 609, 986-993.	13.7	47
17197	Co-expression of <i>Cocculus hirsutus</i> trypsin inhibitor with Cry protein reduces resistant development in targeted insects along with complete mortality. <i>Industrial Crops and Products</i> , 2022, 188, 115674.	2.5	2
17198	Grape CIPK18 acts as a positive regulator of CBF cold signaling pathway by modulating ROS homeostasis. <i>Environmental and Experimental Botany</i> , 2022, 203, 105063.	2.0	4
17199	PtoMPO1, a negative mediator, functions in poplar drought tolerance. <i>Plant Physiology and Biochemistry</i> , 2022, 190, 156-163.	2.8	1
17200	LcNAC90 transcription factor regulates biosynthesis of anthocyanin in harvested litchi in response to ABA and GA3. <i>Postharvest Biology and Technology</i> , 2022, 194, 112109.	2.9	8
17201	AtS40-1, a group I DUF584 protein positively regulates ABA response and salt tolerance in <i>Arabidopsis</i> . <i>Gene</i> , 2022, 846, 146846.	1.0	3

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17202	CC-type glutaredoxin gene CsGRX4 in cucumber responds to <i>Botrytis cinerea</i> via JA signaling pathway. <i>Scientia Horticulturae</i> , 2022, 306, 111440.	1.7	2
17203	Overexpression of eelgrass Rare Cold Inducible 2 (RCI2) maintains chlorophyll content in <i>Arabidopsis</i> subjected to high salinity and dehydration. <i>Plant Stress</i> , 2022, 6, 100116.	2.7	7
17204	Germline transformation of <i>Artemisia annual</i> L. plant via in planta transformation technology "Floral dip". <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 36, e00761.	2.1	1
17205	Overexpression of mango MiMFT inhibits seed germination and enhances abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <i>Scientia Horticulturae</i> , 2023, 307, 111495.	1.7	7
17206	The TT2-type MYB transcription factor JrMYB12 positively regulates proanthocyanidin biosynthesis in red walnut. <i>Scientia Horticulturae</i> , 2023, 307, 111515.	1.7	5
17207	Plant Transformation Techniques. , 2022, , 1-73.		0
17208	Marigold. , 2022, , 1-23.		0
17209	Tissue-specific transcriptomics reveals a central role of <i>CcNST1</i> in regulating the fruit lignification pattern in <i>Camellia chekiangoleosa</i> , a woody oil-crop. <i>Forestry Research</i> , 2022, 2, 0-0.	0.5	1
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17211	Transcriptome Analysis and Genes Function Verification of Root Development of <i>Paeonia suffruticosa</i> under Sandy Loam Cultivation. <i>Phyton</i> , 2022, 91, 2791-2812.	0.4	2
17212	Pepper autophagy related gene CaATG8e differentially regulates plant tolerance to heat and salt stress. <i>Scientia Horticulturae</i> , 2023, 308, 111559.	1.7	0
17213	<i>Arabidopsis</i> sucrose transporter 4 (<i>AtSUC4</i>) is involved in high sucrose-mediated inhibition of root elongation. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 561-574.	0.5	2
17214	Members of SIAMESE-RELATED Class Inhibitor Proteins of Cyclin-Dependent Kinase Retard G2 Progression and Increase Cell Size in <i>Arabidopsis thaliana</i> . <i>Life</i> , 2022, 12, 1356.	1.1	6
17215	The <i>Arabidopsis</i> SAC9 enzyme is enriched in a cortical population of early endosomes and restricts PI(4,5)P2 at the plasma membrane. <i>ELife</i> , 0, 11, .	2.8	10
17216	The R2R3-MYB gene family in <i>Cicer arietinum</i> : genome-wide identification and expression analysis leads to functional characterization of proanthocyanidin biosynthesis regulators in the seed coat. <i>Planta</i> , 2022, 256, .	1.6	7
17217	Maize Methionine Sulfoxide Reductase Genes ZmMSRA2 and ZmMSRA5.1 Involved in the Tolerance to Osmotic or Salinity Stress in <i>Arabidopsis</i> and Maize. <i>Plant Molecular Biology Reporter</i> , 0, , .	1.0	0
17218	Characterization of Virus-Inducible Orchid Argonaute 5b Promoter and Its Functional Characterization in <i>Nicotiana benthamiana</i> during Virus Infection. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9825.	1.8	4
17220	Aspartic proteases modulate programmed cell death and secondary cell wall synthesis during wood formation in poplar. <i>Journal of Experimental Botany</i> , 2022, 73, 6876-6890.	2.4	5

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17223	miR164g- <i>MsNAC022</i> acts as a novel module mediating drought response by transcriptional regulation of reactive oxygen species scavenging systems in apple. <i>Horticulture Research</i> , 2022, 9, .	2.9	13
17224	Amino acid transporter gene <i>TaATLa1</i> from <i>Triticum aestivum</i> L. improves growth under nitrogen sufficiency and is down regulated under nitrogen deficiency. <i>Planta</i> , 2022, 256, .	1.6	1
17225	The Arabidopsis APOLO and human UPAT sequence-unrelated long noncoding RNAs can modulate DNA and histone methylation machineries in plants. <i>Genome Biology</i> , 2022, 23, .	3.8	19
17226	The trans-Golgi-localized protein BICAT3 regulates manganese allocation and matrix polysaccharide biosynthesis. <i>Plant Physiology</i> , 2022, 190, 2579-2600.	2.3	8
17227	Basic helix-loop-helix transcription factor <i>PxbHLH02</i> enhances drought tolerance in <i>Populus</i> (<i>Populus simonii</i> Å— <i>P. nigra</i>). <i>Tree Physiology</i> , 2023, 43, 185-202.	1.4	8
17230	Host-delivered RNAi-mediated silencing of the root-knot nematode (<i>Meloidogyne incognita</i>) effector genes, <i>Mi-msp10</i> and <i>Mi-msp23</i> , confers resistance in Arabidopsis and impairs reproductive ability of the root-knot nematode. <i>Planta</i> , 2022, 256, .	1.6	1
17231	<i>FRIENDLY</i> (<i>FMT</i>) is an RNA binding protein associated with cytosolic ribosomes at the mitochondrial surface. <i>Plant Journal</i> , 2022, 112, 309-321.	2.8	3
17232	Tomato receptor-like cytosolic kinase RIPK confers broad-spectrum disease resistance without yield penalties. <i>Horticulture Research</i> , 2022, 9, .	2.9	4
17233	Division of cortical cells is regulated by auxin in Arabidopsis roots. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
17234	14-3-3 proteins contribute to autophagy by modulating SINAT-mediated degradation of ATG13. <i>Plant Cell</i> , 2022, 34, 4857-4876.	3.1	12
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17236	Acquisition of hypoxia inducibility by oxygen sensing N-terminal cysteine oxidase in spermatophytes. <i>Plant, Cell and Environment</i> , 2023, 46, 322-338.	2.8	7
17237	Characterizations of a Class-I BASIC PENTACYSSTEINE Gene Reveal Conserved Roles in the Transcriptional Repression of Genes Involved in Seed Development. <i>Current Issues in Molecular Biology</i> , 2022, 44, 4059-4069.	1.0	4
17238	Plant growth stimulation by high CO ₂ depends on phosphorus homeostasis in chloroplasts. <i>Current Biology</i> , 2022, 32, 4493-4500.e4.	1.8	11
17239	Genetic engineering of cotton: current status and perspectives. <i>Plant Biotechnology and Breeding</i> , 2022, 5, 25-37.	0.9	0
17240	ATP-citrate lyase B (<i>ACLB</i>) negatively affects cell death and resistance to <i>Verticillium</i> wilt. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	5

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17243	Brassinosteroids modulate autophagy through phosphorylation of RAPTOR1B by the GSK3-like kinase BIN2 in Arabidopsis. <i>Autophagy</i> , 2023, 19, 1293-1310.	4.3	10
17244	Evolutionary analysis of the <i>LORELEI</i> gene family in plants reveals regulatory subfunctionalization. <i>Plant Physiology</i> , 2022, 190, 2539-2556.	2.3	5
17245	Glucose-6-P/phosphate translocator2 mediates the phosphoglucose-isomerase1-independent response to microbial volatiles. <i>Plant Physiology</i> , 0, , .	2.3	0
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17247	SAUR63 stimulates cell growth at the plasma membrane. <i>PLoS Genetics</i> , 2022, 18, e1010375.	1.5	8
17248	The evening complex promotes maize flowering and adaptation to temperate regions. <i>Plant Cell</i> , 2023, 35, 369-389.	3.1	16
17249	A novel sugar beet cyst nematode effector 2D01 targets the <i>Arabidopsis</i> HAESA receptor-like kinase. <i>Molecular Plant Pathology</i> , 2022, 23, 1765-1782.	2.0	6
17251	Genome-wide analysis of the WSD family in sunflower and functional identification of HaWSD9 involvement in wax ester biosynthesis and osmotic stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17252	Cloning and Functional Identification of Gibberellin Receptor SvGID1s Gene of <i>Salix viminalis</i> . <i>Molecular Biotechnology</i> , 0, , .	1.3	0
17254	HOP1 and HOP2 are involved in salt tolerance by facilitating the brassinosteroid-related nucleocytoplasmic partitioning of the HSP90-BIN2 complex. <i>Plant, Cell and Environment</i> , 2022, 45, 3551-3565.	2.8	9
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17256	An enhancing effect attributed to a nonsynonymous mutation in <i>SOYBEAN SEED SIZE 1</i> , a <i>SPINDLY</i> -like gene, is exploited in soybean domestication and improvement. <i>New Phytologist</i> , 2022, 236, 1375-1392.	3.5	17
17257	An alternative angiosperm DGAT1 topology and potential motifs in the N-terminus. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
17258	CpMAX1a, a Cytochrome P450 Monooxygenase Gene of <i>Chimonanthus praecox</i> Regulates Shoot Branching in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10888.	1.8	4
17259	Plant Metabolic Engineering by Multigene Stacking: Synthesis of Diverse Mogrosides. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10422.	1.8	5
17260	Functional validation of ZbFAD2 and ZbFAD3 in the alkylamide biosynthesis pathway from <i>Zanthoxylum bungeanum</i> Maxim. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
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17263	Haploid induction by nanobody-targeted ubiquitin-proteasome-based degradation of EYFP-tagged CENH3 in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 7243-7254.	2.4	7
17264	Overexpression of Sweet Potato Carotenoid Cleavage Dioxygenase 4 (IbCCD4) Decreased Salt Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 9963.	1.8	6
17265	MtPT5 phosphate transporter is involved in leaf growth and phosphate accumulation of <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17266	A soybean sodium/hydrogen exchanger GmNHX6 confers plant alkaline salt tolerance by regulating Na ⁺ /K ⁺ homeostasis. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	10
17267	Genome-wide identification of calcineurin B-like protein-interacting protein kinase gene family reveals members participating in abiotic stress in the ornamental woody plant <i>Lagerstroemia indica</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
17268	Multiple cyclic nucleotide-gated channels function as ABA-activated Ca ²⁺ channels required for ABA-induced stomatal closure in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 239-259.	3.1	20
17269	GmbZIP152, a Soybean bZIP Transcription Factor, Confers Multiple Biotic and Abiotic Stress Responses in Plant. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10935.	1.8	6
17270	Transformation efficiency of <i>Arabidopsis thaliana</i> ecotypes with differential tolerance to submergence stress. <i>International Journal of Transgender Health</i> , 2022, 15, 942-950.	1.1	0
17271	<scp>DEFECTIVELY ORGANIZED TRIBUTARIES</scp> 5 is not required for leaf venation patterning in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2022, 112, 451-459.	2.8	3
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17273	Mapping of a novel clubroot disease resistance locus in <i>Brassica napus</i> and related functional identification. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
17274	Genome-Wide Identification and Expression Analysis of Cytokinin Response Regulator (RR) Genes in the Woody Plant <i>Jatropha curcas</i> and Functional Analysis of JcRR12 in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 11388.	1.8	6
17275	Identification and Functional Analysis of the Promoter of a Leucoanthocyanidin Reductase Gene from <i>Cossypium hirsutum</i> . <i>Molecular Biotechnology</i> , 0, , .	1.3	0
17276	VAMP724 and VAMP726 are involved in autophagosome formation in <i>Arabidopsis thaliana</i> . <i>Autophagy</i> , 2023, 19, 1406-1423.	4.3	7
17277	Dual-function DEFENSIN 8 mediates phloem cadmium unloading and accumulation in rice grains. <i>Plant Physiology</i> , 2023, 191, 515-527.	2.3	13
17278	A sensitive and specific genetically-encoded potassium ion biosensor for in vivo applications across the tree of life. <i>PLoS Biology</i> , 2022, 20, e3001772.	2.6	10
17279	Overexpression of a soybean Globin (GmGlb1-1) gene reduces plant susceptibility to <i>Meloidogyne incognita</i> . <i>Planta</i> , 2022, 256, .	1.6	3

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17281	The Plastidial DIG5 Protein Affects Lateral Root Development by Regulating Flavonoid Biosynthesis and Auxin Transport in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 10642.	1.8	3
17282	14-3-3 proteins regulate photomorphogenesis by facilitating light-induced degradation of PIF3. <i>New Phytologist</i> , 2023, 237, 140-159.	3.5	8
17283	Metabolome genome-wide association study provides biochemical and genetic insights into natural variation of primary metabolites in sesame. <i>Plant Journal</i> , 2022, 112, 1051-1069.	2.8	2
17284	The MYB33, MYB65, and MYB101 transcription factors affect <i>Arabidopsis</i> and potato responses to drought by regulating the ABA signaling pathway. <i>Physiologia Plantarum</i> , 2022, 174, .	2.6	12
17285	Regulatory functions of cellular energy sensor SnRK1 for nitrate signalling through NLP7 repression. <i>Nature Plants</i> , 2022, 8, 1094-1107.	4.7	17
17286	High-transcriptional activation ability of bamboo SECONDARY WALL NAC transcription factors is derived from C-terminal domain. <i>Plant Biotechnology</i> , 2022, 39, 229-240.	0.5	0
17287	Chloroplast envelope ATPase PGA1/AtFtsH12 is required for chloroplast protein accumulation and cytosol-chloroplast protein homeostasis in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2022, 298, 102489.	1.6	3
17288	Drought-responsive WRKY transcription factor genes IgWRKY50 and IgWRKY32 from <i>Iris germanica</i> enhance drought resistance in transgenic <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
17290	Functional characterization of the pUceS8.3 promoter and its potential use for ectopic gene overexpression. <i>Planta</i> , 2022, 256, .	1.6	3
17293	Natural variation and artificial selection at the <i>BnaC2.MYB28</i> locus modulate <i>Brassica napus</i> seed glucosinolate. <i>Plant Physiology</i> , 2023, 191, 352-368.	2.3	5
17294	A fungal tolerance trait and selective inhibitors proffer HMG-CoA reductase as a herbicide mode-of-action. <i>Nature Communications</i> , 2022, 13, .	5.8	5
17295	Nitrogen starvation induces genome-wide activation of transposable elements in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2022, 64, 2374-2384.	4.1	5
17296	<i>Brassica juncea</i> BRC1-1 induced by SD negatively regulates flowering by directly interacting with BjuFT and BjuFUL promoter. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17297	Two Conserved Amino Acids Characterized in the Island Domain Are Essential for the Biological Functions of Brassinolide Receptors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11454.	1.8	1
17298	Identification of the 14-3-3 Gene Family in Bamboo and Characterization of Pe14-3-3b Reveals Its Potential Role in Promoting Growth. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11221.	1.8	5
17299	DEFECTIVE EMBRYO AND MERISTEMS1 (DEM1) Is Essential for Cell Proliferation and Cell Differentiation in Tomato. <i>Plants</i> , 2022, 11, 2545.	1.6	1
17300	SALT OVERLY SENSITIVE 1 is inhibited by clade D Protein phosphatase 2C D6 and D7 in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2023, 35, 279-297.	3.1	13

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17302	Genome-wide identification of AOX family genes in Moso bamboo and functional analysis of PeAOX1b_2 in drought and salinity stress tolerance. <i>Plant Cell Reports</i> , 2022, 41, 2321-2339.	2.8	5
17303	Overexpression of genes encoding enzymes involved in trehalose synthesis from <i>Caragana korshinskii</i> enhances drought tolerance of transgenic plants. <i>Biologia Plantarum</i> , 0, 66, 207-218.	1.9	1
17304	NIN-like protein 7 transcription factor is a plant nitrate sensor. <i>Science</i> , 2022, 377, 1419-1425.	6.0	79
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17308	Near Infrared Emitting Semiconductor Polymer Dots for Bioimaging and Sensing. <i>Sensors</i> , 2022, 22, 7218.	2.1	3
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17310	The Characterization of Columnar Apple Gene MdCoL Promoter and Its Response to Abscisic Acid, Brassinosteroid and Gibberellic Acid. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10781.	1.8	2
17311	Functional conservation of an AP2/ERF transcription factor in cuticle formation suggests an important role in the terrestrialization of early land plants. <i>Journal of Experimental Botany</i> , 2022, 73, 7450-7466.	2.4	3
17312	Overexpression of WRINKLED1 improves the weight and oil content in seeds of flax (<i>Linum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 T	1.7	0
17314	Molecular mechanism underlying the di-uridylation activity of <i>Arabidopsis</i> TUTase URT1. <i>Nucleic Acids Research</i> , 0, , .	6.5	1
17316	SHORT-ROOT stabilizes PHOSPHATE1 to regulate phosphate allocation in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2022, 8, 1074-1081.	4.7	8
17317	The SLIM1 transcription factor affects sugar signaling during sulfur deficiency in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2022, 73, 7362-7379.	2.4	7
17319	Genomic analyses of rice bean landraces reveal adaptation and yield related loci to accelerate breeding. <i>Nature Communications</i> , 2022, 13, .	5.8	13
17320	Nitrogen-inducible <i>GLK1</i> modulates phosphate starvation response via the <i>PHR1</i> -dependent pathway. <i>New Phytologist</i> , 2022, 236, 1871-1887.	3.5	8
17321	HY5-HDA9 orchestrates the transcription of <i>HsfA2</i> to modulate salt stress response in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2023, 65, 45-63.	4.1	13
17322	Vacuolar H ⁺ -ATPase subunit <i>VAB3</i> regulates cell growth and ion homeostasis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2022, 112, 664-676.	2.8	4

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17326	The transcriptional repressor SEED DORMANCY 4-LIKE (AtSDR4L) promotes the embryonic-to-vegetative transition in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2022, 64, 2075-2096.	4.1	4
17327	Onion ACCOP10 ectopia overexpression regulates flowering and seedling photomorphogenesis in <i>Arabidopsis</i> . <i>European Journal of Horticultural Science</i> , 2022, 87, .	0.3	0
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17329	Pepper bHLH transcription factor <i>CabHLH035</i> contributes to salt tolerance by modulating ion homeostasis and proline biosynthesis. <i>Horticulture Research</i> , 2022, 9, .	2.9	15
17330	<i>Arabidopsis</i> AAR2, a conserved splicing factor in eukaryotes, acts in microRNA biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	7
17331	Unbiased proteomic and forward genetic screens reveal that mechanosensitive ion channel MSL10 functions at ER-plasma membrane contact sites in <i>Arabidopsis thaliana</i> . <i>ELife</i> , 0, 11, .	2.8	5
17334	Maize PPR-E proteins mediate RNA C-to-U editing in mitochondria by recruiting the transaminase PCW1. <i>Plant Cell</i> , 2023, 35, 529-551.	3.1	23
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17337	Drought and low temperature-induced <i>NFYA1</i> activates <i>FT</i> expression to promote citrus flowering. <i>Plant, Cell and Environment</i> , 2022, 45, 3505-3522.	2.8	9
17340	Factor of DNA methylation 1 affects woodland strawberry plant stature and organ size via DNA methylation. <i>Plant Physiology</i> , 2023, 191, 335-351.	2.3	5
17342	Genome-wide identification of the auxin response factor (ARF) gene family in <i>Magnolia sieboldii</i> and functional analysis of MsARF5. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
17345	Overexpression of durum wheat NAC transcription factor TtNTL3A promotes early flowering and increases multiple stress tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2022, 192, 1-9.	2.8	4
17346	Expression of coffee florigen CaFT1 reveals a sustained floral induction window associated with asynchronous flowering in tropical perennials. <i>Plant Science</i> , 2022, 325, 111479.	1.7	9
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17348	Genome-Wide Identification of the A20/AN1 Zinc Finger Protein Family Genes in <i>Ipomoea batatas</i> and Its Two Relatives and Function Analysis of IbSAP16 in Salinity Tolerance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11551.	1.8	1
17349	Physiological and Comparative Transcriptome Analyses of the High-Tillering Mutant <i>mtn1</i> Reveal Regulatory Mechanisms in the Tillering of Centipedegrass (<i>Eremochloa ophiuroides</i> (Munro) Hack.). <i>International Journal of Molecular Sciences</i> , 2022, 23, 11580.	1.8	2
17350	GhBES1 mediates brassinosteroid regulation of leaf size by activating expression of GhEXO2 in cotton (<i>Gossypium hirsutum</i>). <i>Plant Molecular Biology</i> , 2023, 111, 89-106.	2.0	2

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17355	IPT9, a cis-zeatin cytokinin biosynthesis gene, promotes root growth. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
17356	EARLY FLOWERING3 Gene Confers Earlier Flowering and Enhancement of Salt Tolerance in Woody <i>Plant Osmanthus fragrans</i> . <i>Forests</i> , 2022, 13, 1786.	0.9	1
17358	The distribution of bioactive gibberellins along peach annual shoots is closely associated with PpGA20ox and PpGA2ox expression profiles. <i>BMC Genomics</i> , 2022, 23, .	1.2	2
17359	The protein kinase FvRIPK1 regulates plant morphogenesis by ABA signaling using seed genetic transformation in strawberry. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
17361	CRY2 gene of rice (<i>Oryza sativa</i> subsp. <i>indica</i>) encodes a blue light sensory receptor involved in regulating flowering, plant height and partial photomorphogenesis in dark. <i>Plant Cell Reports</i> , 2023, 42, 73-89.	2.8	5
17362	BPL3 binds the long non-coding RNA <i>nalncFL7</i> to suppress <i>FORKED-LIKE7</i> and modulate HAI1-mediated MPK3/6 dephosphorylation in plant immunity. <i>Plant Cell</i> , 2023, 35, 598-616.	3.1	14
17363	<i>Tropaeolum majus</i> R2R3 MYB Transcription Factor TmPAP2 Functions as a Positive Regulator of Anthocyanin Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12395.	1.8	3
17364	SUMOylation facilitates the assembly of a Nuclear Factor- κ B complex to enhance thermotolerance in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2023, 65, 692-702.	4.1	5
17365	<i>Setaria italica</i> SiWRKY89 enhances drought tolerance in <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2023, 99, 125-135.	1.8	0
17366	CGL160-mediated recruitment of the coupling factor CF1 is required for efficient thylakoid ATP synthase assembly, photosynthesis, and chloroplast development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 488-509.	3.1	0
17367	Cutâ€‘dipâ€‘budding delivery system enables genetic modifications in plants without tissue culture. <i>Innovation(China)</i> , 2023, 4, 100345.	5.2	25
17368	Rice microtubule-associated protein OsMAP65-3.1, but not OsMAP65-3.2, plays a critical role in phragmoplast microtubule organization in cytokinesis. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
17369	BaZFP1, a C2H2 Subfamily Gene in Desiccation-Tolerant Moss <i>Bryum argenteum</i> , Positively Regulates Growth and Development in <i>Arabidopsis</i> and Mosses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12894.	1.8	2
17371	CRISPR/Cas9-mediated AtGATA25 mutant represents a novel model for regulating hypocotyl elongation in <i>Arabidopsis thaliana</i> . <i>Molecular Biology Reports</i> , 2023, 50, 31-41.	1.0	5
17373	Cytosolic phosphoglucose isomerase is essential for microsporogenesis and embryogenesis in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2023, 191, 177-198.	2.3	4
17374	Diffusion and bulk flow of amino acids mediate calcium waves in plants. <i>Science Advances</i> , 2022, 8, .	4.7	28

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17376	Identification of the <i>Brassica campestris</i> ssp. <i>chinensis</i> BcHY5 Gene Important for Hypocotyl Length. <i>Agronomy</i> , 2022, 12, 2573.	1.3	0
17377	MDF is a conserved splicing factor and modulates cell division and stress response in <i>Arabidopsis</i> . <i>Life Science Alliance</i> , 2023, 6, e202201507.	1.3	3
17378	Engineered ATG8-binding motif-based selective autophagy to degrade proteins and organelles in <i>planta</i> . <i>New Phytologist</i> , 2023, 237, 684-697.	3.5	5
17379	Cytochrome P450 BsCYP99A44 and BsCYP704A177 Confer Metabolic Resistance to ALS Herbicides in <i>Beckmannia syzigachne</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 12175.	1.8	9
17381	FtbZIP12 Positively Regulates Responses to Osmotic Stress in Tartary Buckwheat. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13072.	1.8	2
17382	Dwarf phenotype induced by overexpression of a GAI1-like gene from <i>Rhus chinensis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 151, 617-629.	1.2	1
17384	A combination of plasma membrane sterol biosynthesis and autophagy is required for shade-induced hypocotyl elongation. <i>Nature Communications</i> , 2022, 13, .	5.8	6
17385	The C-Terminal Region of SLIM1 Transcription Factor Is Required for Sulfur Deficiency Response. <i>Plants</i> , 2022, 11, 2595.	1.6	2
17386	bHLH010/089 Transcription Factors Control Pollen Wall Development via Specific Transcriptional and Metabolic Networks in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 11683.	1.8	5
17387	Low copy numbers for mitochondrial DNA moderates the strength of nuclear-cytoplasmic incompatibility in plants. <i>Journal of Integrative Plant Biology</i> , 2023, 65, 739-754.	4.1	1
17388	Ectopic expression of GmNF-YA8 in <i>Arabidopsis</i> delays flowering via modulating the expression of gibberellic acid biosynthesis- and flowering-related genes and promotes lateral root emergence in low phosphorus conditions. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
17389	The OPEN STOMATA1-SPIRAL1 module regulates microtubule stability during abscisic acid-induced stomatal closure in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 260-278.	3.1	19
17390	Amino acid substitution in CAPRICE (CPC) protein affects its cell-to-cell movement in the root epidermis of <i>Arabidopsis thaliana</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 0, , .	0.9	2
17391	CKL2 mediates the crosstalk between abscisic acid and brassinosteroid signaling to promote swift growth recovery after stress in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2023, 65, 64-81.	4.1	4
17392	The <i>miR156</i> juvenility factor and <i>PLETHORA 2</i> form a regulatory network and influence timing of meristem growth and lateral root emergence. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	1
17393	Genome-wide identification and characterization of OVATE family proteins in <i>Betula luminifera</i> reveals involvement of BIOFP3 and BIOFP5 genes in leaf development. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
17394	The cytosolic thiol peroxidase PRXIIB is an intracellular sensor for H ₂ O ₂ that regulates plant immunity through a redox relay. <i>Nature Plants</i> , 2022, 8, 1160-1175.	4.7	35

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17395	Cloning, expression and functional analysis of the <i>SOC1</i> homologous gene in pak choi (<i>Brassica rapa</i> ssp. <i>Chinensis</i> makino). Biotechnology and Biotechnological Equipment, 2022, 36, 848-857.	0.5	0
17396	Plant autophagosomes mature into amphisomes prior to their delivery to the central vacuole. Journal of Cell Biology, 2022, 221, .	2.3	10
17397	Microtubule-associated ROP interactors affect microtubule dynamics and modulate cell wall patterning and root hair growth. Development (Cambridge), 2022, 149, .	1.2	3
17398	Heterologous Overexpression of ZmHDZIV13 Enhanced Drought and Salt Tolerance in Arabidopsis and Tobacco. Agronomy, 2022, 12, 2378.	1.3	0
17399	The Arabidopsis ATP-Binding Cassette E protein ABCE2 is a conserved component of the translation machinery. Frontiers in Plant Science, 0, 13, .	1.7	3
17400	Genome-wide identification of the mango CONSTANS (CO) family and functional analysis of two MICOL9 genes in transgenic Arabidopsis. Frontiers in Plant Science, 0, 13, .	1.7	7
17402	Engineering a K ⁺ channel "sensory antenna"™ enhances stomatal kinetics, water use efficiency and photosynthesis. Nature Plants, 2022, 8, 1262-1274.	4.7	16
17404	Endophytic yeast protect plants against metal toxicity by inhibiting plant metal uptake through an ethylene-dependent mechanism. Plant, Cell and Environment, 2023, 46, 268-287.	2.8	7
17406	The Arabidopsis J-Protein AtDJC5 Facilitates Thermotolerance Likely by Aiding in the ER Stress Response. International Journal of Molecular Sciences, 2022, 23, 13134.	1.8	2
17407	Genome-wide characterization of DcHsp90 gene family in carnation (Dianthus caryophyllus L.) and functional analysis of DcHsp90-6 in heat tolerance. Protoplasma, 2023, 260, 807-819.	1.0	2
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17411	Allelic variation in the Arabidopsis TNL CHS3/CSA1 immune receptor pair reveals two functional cell-death regulatory modes. Cell Host and Microbe, 2022, 30, 1701-1716.e5.	5.1	18
17412	Genome-wide analysis of growth-regulating factor genes in grape (Vitis vinifera L.): identification, characterization and their responsive expression to osmotic stress. Plant Cell Reports, 2023, 42, 107-121.	2.8	5
17413	Differential growth dynamics control aerial organ geometry. Current Biology, 2022, 32, 4854-4868.e5.	1.8	10
17414	Metabolite profiling of Arabidopsis mutants of lower glycolysis. Scientific Data, 2022, 9, .	2.4	2
17416	Identification of Low-Nitrogen-Related miRNAs and Their Target Genes in Sugarcane and the Role of miR156 in Nitrogen Assimilation. International Journal of Molecular Sciences, 2022, 23, 13187.	1.8	1
17417	A Heat Shock Transcription Factor TrHSFB2a of White Clover Negatively Regulates Drought, Heat and Salt Stress Tolerance in Transgenic Arabidopsis. International Journal of Molecular Sciences, 2022, 23, 12769.	1.8	6

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17419	Expression of the Sweet Potato MYB Transcription Factor IbMYB48 Confers Salt and Drought Tolerance in Arabidopsis. <i>Genes</i> , 2022, 13, 1883.	1.0	8
17421	Overexpression of Î²-Ketoacyl CoA Synthase 2B.1 from <i>Chenopodium quinoa</i> Promotes Suberin Monomersâ€™ Production and Salt Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 13204.	1.8	4
17422	Essential amino acids in the Plant-Conserved and Class-Specific Regions of cellulose synthases. <i>Plant Physiology</i> , 2023, 191, 142-160.	2.3	2
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17425	Role of pepper MYB transcription factor CaDIM1 in regulation of the drought response. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
17426	<i>Tamarix hispida</i> NAC Transcription Factor ThNAC4 Confers Salt and Drought Stress Tolerance to Transgenic <i>Tamarix</i> and Arabidopsis. <i>Plants</i> , 2022, 11, 2647.	1.6	9
17427	The tapetal tissue is essential for the maintenance of redox homeostasis during microgametogenesis in tomato. <i>Plant Journal</i> , 2022, 112, 1281-1297.	2.8	2
17428	DMP8 and 9 regulate HAP2/GCS1 trafficking for the timely acquisition of sperm fusion competence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	11
17430	MnASI1 Mediates Resistance to <i>Botrytis cinerea</i> in Mulberry (<i>Morus notabilis</i>). <i>International Journal of Molecular Sciences</i> , 2022, 23, 13372.	1.8	5
17431	<scp>SUE4</scp>, a novel <scp>PIN1</scp>â€™interacting membrane protein, regulates acropetal auxin transport in response to sulfur deficiency. <i>New Phytologist</i> , 2023, 237, 78-87.	3.5	5
17432	The heat shock factor GhHSFA4a positively regulates cotton resistance to <i>Verticillium dahliae</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
17433	Genetic analysis of DNA-damage tolerance pathways in Arabidopsis. <i>Plant Cell Reports</i> , 0, , .	2.8	0
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17436	Histone H2B.8 compacts flowering plant sperm through chromatin phase separation. <i>Nature</i> , 2022, 611, 614-622.	13.7	28
17438	Melatonin delays ABAâ€™induced leaf senescence via H₂O₂â€™dependent calcium signalling. <i>Plant, Cell and Environment</i> , 2023, 46, 171-184.	2.8	16
17439	The caleosin CLO7 and its role in the heterotrimeric G-protein signalling network. <i>Journal of Plant Physiology</i> , 2022, 279, 153841.	1.6	2
17440	Overexpression of an aquaporin gene EsPIP1;4 enhances abiotic stress tolerance and promotes flowering in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2022, 193, 25-35.	2.8	6

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17442	Ectopic expression of two CAULIFLOWER genes from mango caused early flowering in Arabidopsis. <i>Gene</i> , 2023, 851, 146931.	1.0	2
17443	Xanthomonas natriuretic peptide is recognized by the Arabidopsis natriuretic peptide receptor 1 and through this interaction triggers similar plant responses to its plant counterpart. <i>Plant Science</i> , 2023, 326, 111494.	1.7	0
17444	Populus alba cationic cell-wall-bound peroxidase (CWPO-C) regulates the plant growth and affects auxin concentration in Arabidopsis thaliana. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 1671-1680.	1.4	2
17445	A Medicago truncatula calcineurin B-like protein, MtCBL13 confers drought sensitivity in Arabidopsis through ABA-dependent pathway. <i>Environmental and Experimental Botany</i> , 2023, 206, 105141.	2.0	4
17446	SbCASP-LP1C1 improves salt exclusion by enhancing the root apoplastic barrier. <i>Plant Molecular Biology</i> , 0, , .	2.0	1
17447	GmWRI1c Increases Palmitic Acid Content to Regulate Seed Oil Content and Nodulation in Soybean (Glycine max). <i>International Journal of Molecular Sciences</i> , 2022, 23, 13793.	1.8	1
17448	AtbZIP62 Acts as a Transcription Repressor to Positively Regulate ABA Responses in Arabidopsis. <i>Plants</i> , 2022, 11, 3037.	1.6	3
17449	Peripheral membrane proteins modulate stress tolerance by safeguarding cellulose synthases. <i>Science Advances</i> , 2022, 8, .	4.7	10
17450	MINI BODY1, encoding a MATE/DTX family transporter, affects plant architecture in mungbean (Vigna) Tj ETQq1 1 0.784314 μ gBT /Over	1.7	1
17451	Identification and Analysis of Stress-Associated Proteins (SAPs) Protein Family and Drought Tolerance of ZmSAP8 in Transgenic Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14109.	1.8	1
17452	Grapevine VaRPP13 protein enhances oomycetes resistance by activating SA signal pathway. <i>Plant Cell Reports</i> , 0, , .	2.8	0
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17456	Plant responses to high temperature and drought: A bibliometrics analysis. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	12
17457	MdbHLH4 negatively regulates apple cold tolerance by inhibiting <i>MdCBF1/3</i> expression and promoting <i>MdCAX3L-2</i> expression. <i>Plant Physiology</i> , 2023, 191, 789-806.	2.3	13
17458	Overexpression of TaMYC2 confers freeze tolerance by ICE-CBF-COR module in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
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17464	Inositol polyphosphates regulate polyubiquitination of PHR1 by NLA E3 ligase during phosphate starvation response in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2023, 237, 1215-1228.	3.5	6
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17470	Identification of <i>Brachypodium distachyon</i> B3 genes reveals that BdB3-54 regulates primary root growth. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
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17476	Functional Conservation and Divergence of MOS1 That Controls Flowering Time and Seed Size in Rice and <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 13448.	1.8	1
17477	Specification of female germline by microRNA orchestrated auxin signaling in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	8
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17492	Identification of the <i>GAPDH</i> gene family in <i>Citrullus lanatus</i> and functional characteristics of <i>CIGAPC2</i> in <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 0, , .	1.8	1
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17498	<i>Linum usitatissimum</i> ABI3 enhances the accumulation of seed storage reserves and tolerance to environmental stresses during seed germination and seedling establishment in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2023, 280, 153893.	1.6	2

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17513	Spatial and temporal regulation of parent-of-origin allelic expression in the endosperm. <i>Plant Physiology</i> , 2023, 191, 986-1001.	2.3	11
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17536	The noncoding RNA <i>HIDDEN TREASURE 1</i> promotes phytochrome B-dependent seed germination by repressing abscisic acid biosynthesis. <i>Plant Cell</i> , 2023, 35, 700-716.	3.1	8
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17549	Evaluation of novel surfactants for plant transformation. <i>BMC Research Notes</i> , 2022, 15, .	0.6	1
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17551	Molecular cloning and functional characterization of <i>Jatropha curcas</i> NCED3 involved in cold resistance. <i>Plant Biotechnology Reports</i> , 0, , .	0.9	0
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17554	F-actin regulates the polarized secretion of pollen tube attractants in <i>Arabidopsis</i> synergid cells. <i>Plant Cell</i> , 2023, 35, 1222-1240.	3.1	4
17555	Functional Characterization of Two Flowering Repressors SHORT VEGETATIVE PHASE and TERMINAL FLOWER 1 in Reblooming Bearded Iris (<i>Iris</i> spp.). <i>Plant Science</i> , 2022, , 111542.	1.7	0
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17558	<i>BRXL4</i> interaction at the plasma membrane controls <i>Arabidopsis</i> branch angle and gravitropism. <i>Plant Journal</i> , 2023, 113, 211-224.	2.8	7
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17560	The <i>Arabidopsis</i> TIR-NBS-LRR protein CSA1 guards BAK1-BIR3 homeostasis and mediates convergence of pattern- and effector-induced immune responses. <i>Cell Host and Microbe</i> , 2022, 30, 1717-1731.e6.	5.1	25

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17567	<i>VvMYB14</i> participates in melatonin-induced proanthocyanidin biosynthesis by upregulating expression of <i>VvMYBPA1</i> and <i>VvMYBPA2</i> in grape seeds. <i>Horticulture Research</i> , 2023, 10, .	2.9	6
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17575	ThASR3 confers salt and osmotic stress tolerances in transgenic <i>Tamarix</i> and <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2022, 22, .	1.6	2
17576	The eINTACT system dissects bacterial exploitation of plant osmosignalling to enhance virulence. <i>Nature Plants</i> , 2023, 9, 128-141.	4.7	3
17577	<i>Golovinomyces cichoracearum</i> effector-associated nuclear localization of <i>RPW8.2</i> amplifies its expression to boost immunity in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2023, 238, 367-382.	3.5	6
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17586	Maize domestication phenotypes reveal strigolactone networks coordinating grain size evolution with kernel-bearing cupule architecture. <i>Plant Cell</i> , 2023, 35, 1013-1037.	3.1	8
17588	The <i>MITOCHONDRIAL TRANSCRIPT STABILITY FACTOR 4</i> (<i>MTSF4</i>) is essential for the accumulation of dicistronic <i>rpl5</i> <i>ob</i> <i>mRNAs</i> in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 0, .	2.8	1
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17590	Chilling-induced peach flavor loss is associated with expression and DNA methylation of functional genes. <i>Journal of Advanced Research</i> , 2023, 53, 17-31.	4.4	5
17591	Altered expression levels of long non-coding natural antisense transcripts overlapping the <i>UGT73C6</i> gene affect rosette size in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2023, 113, 460-477.	2.8	2
17592	Halophyte <i>Nitraria billardieri</i> CIPK25 promotes photosynthesis in <i>Arabidopsis</i> under salt stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
17593	Differential chromatin binding preference is the result of the neo-functionalization of the <i>TB1</i> clade of <i>TCP</i> transcription factors in grasses. <i>New Phytologist</i> , 2023, 237, 2088-2103.	3.5	1
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17596	Coordinated regulation of the mitochondrial retrograde response by circadian clock regulators and ANAC017. <i>Plant Communications</i> , 2023, 4, 100501.	3.6	2
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17599	The MYB59 transcription factor negatively regulates salicylic acid- and jasmonic acid-mediated leaf senescence. <i>Plant Physiology</i> , 2023, 192, 488-503.	2.3	7
17600	Chlorophyllase is transcriptionally regulated by CsMYB308/CsDOF3 in young leaves of tea plant. <i>Horticultural Plant Journal</i> , 2023, 9, 1162-1176.	2.3	2
17601	Identification of Peanut <i>AhMYB44</i> Transcription Factors and Their Multiple Roles in Drought Stress Responses. <i>Plants</i> , 2022, 11, 3522.	1.6	4
17602	Auxin contributes to jasmonate-mediated regulation of abscisic acid signaling during seed germination in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 1110-1133.	3.1	26

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17604	Effects of ectopic expression of <i>WOX4</i> and <i>WOX14</i> on stem cell maintenance and organogenesis of <i>Arabidopsis thaliana</i> . <i>Acta Physiologiae Plantarum</i> , 2023, 45, .	1.0	1
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17607	<i>Haem Oxygenase 1</i> is a potential target for creating etiolated/albino tea plants (<i>Camellia</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.9	2
17608	The Rubber Tree (<i>Hevea brasiliensis</i>) MLO Protein HbMLO12 Promotes Plant Susceptibility to Sustain Infection by a Powdery Mildew Fungus. <i>Molecular Plant-Microbe Interactions</i> , 2023, 36, 273-282.	1.4	2
17609	Specificity in root domain accumulation of Phytoglobulin1 and nitric oxide (NO) determines meristematic viability in water-stressed <i>Brassica napus</i> roots. <i>Annals of Botany</i> , 2023, 131, 475-490.	1.4	4
17610	SUMO E3 ligase AtMMS21-dependent SUMOylation of AUXIN/INDOLE-3-ACETIC ACID 17 regulates auxin signaling. <i>Plant Physiology</i> , 2023, 191, 1871-1883.	2.3	5
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17614	Genome-wide association scan and transcriptome analysis reveal candidate genes for waterlogging tolerance in cultivated barley. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
17615	Kinase regulators evolved into two families by gain and loss of ability to bind plant steroid receptors. <i>Plant Physiology</i> , 0, , .	2.3	2
17616	An uncharacterized gene <i>Lb1G04794</i> from <i>Limonium bicolor</i> promotes salt tolerance and trichome development in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
17617	Non-cell-autonomous small RNA silencing in <i>Arabidopsis</i> female gametes. <i>Current Biology</i> , 2023, 33, 183-188.e3.	1.8	6
17618	GhCDPK60 positively regulates drought stress tolerance in both transgenic <i>Arabidopsis</i> and cotton by regulating proline content and ROS level. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
17619	The Potyviral Protein 6K2 from Turnip Mosaic Virus Increases Plant Resilience to Drought. <i>Molecular Plant-Microbe Interactions</i> , 2023, 36, 189-197.	1.4	4
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17621	Dissecting the functions of <i>COP1</i> in the <i>UVR8</i> pathway with a <i>COP1</i> variant in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2023, 113, 478-492.	2.8	5

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17626	Endoplasmic reticulum calnexins participate in the primary root growth response to phosphate deficiency. <i>Plant Physiology</i> , 2023, 191, 1719-1733.	2.3	4
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17629	APC/CCDC20 targets SCFFBL17 to activate replication stress responses in <i>Arabidopsis</i>. <i>Plant Cell</i> , 2023, 35, 910-923.	3.1	3
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17633	Functional analysis of CqPORB in the regulation of chlorophyll biosynthesis in <i>Chenopodium quinoa</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
17634	The PRK/Rubisco shunt strongly influences <i>Arabidopsis</i> seed metabolism and oil accumulation, affecting more than carbon recycling. <i>Plant Cell</i> , 0, , .	3.1	2
17635	The ferredoxin/thioredoxin pathway constitutes an indispensable redox-signaling cascade for light-dependent reduction of chloroplast stromal proteins. <i>Journal of Biological Chemistry</i> , 2022, 298, 102650.	1.6	9
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17639	Overexpression of soybean microRNA156b enhanced tolerance to phosphorus deficiency and seed yield in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2023, 13, .	1.6	2
17640	Recent advances in understanding of the epigenetic regulation of plant regeneration. <i>ABIOTECH</i> , 2023, 4, 31-46.	1.8	6
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17642	The transcription factor PbrbZIP52 positively affects pear pollen tube longevity by promoting callose synthesis. <i>Plant Physiology</i> , 0, , .	2.3	4
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17648	Heritable transgene-free genome editing in plants by grafting of wild-type shoots to transgenic donor rootstocks. <i>Nature Biotechnology</i> , 2023, 41, 958-967.	9.4	63
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17652	Light Promotes Protein Stability of Auxin Response Factor 7. <i>Phyton</i> , 2023, 92, 1153-1160.	0.4	0
17653	Contribution of vasculature to stem integrity in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2023, 150, .	1.2	0
17655	Increased soluble sugar accumulation in postharvest peaches in response to different defense priming elicitors. <i>Horticulture Environment and Biotechnology</i> , 0, , .	0.7	0
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17659	A <i>Medicago truncatula</i> lncRNA MtCIR1 negatively regulates response to salt stress. <i>Planta</i> , 2023, 257, .	1.6	5
17660	Identification and Functional Validation of Auxin-Responsive Tabzip Genes from Wheat Leaves in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 756.	1.8	0
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17682	Stable In-Planta Transformation System For Egyptian Sesame (<i>Sesamum indicum L.</i>) cv. Sohag 1. GM Crops and Food, 2023, 14, 21-31.	2.0	1
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17690	Common evolutionary trajectory of short life-cycle in Brassicaceae ruderal weeds. <i>Nature Communications</i> , 2023, 14, .	5.8	6
17691	The Arabidopsis D27â€¦LIKE1 is a <i>cis</i>/<i>cis</i>/<i>trans</i>-â€¦carotene isomerase that contributes to Strigolactone biosynthesis and negatively impacts ABA level. <i>Plant Journal</i> , 2023, 113, 986-1003.	2.8	4
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17701	A female inÂ«vivo haploid-induction system via mutagenesis of egg cell-specific peptidases. <i>Molecular Plant</i> , 2023, 16, 471-480.	3.9	14
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17713	Characterization of the core region of grape VvHOS1 promoter activity and its upstream regulatory proteins. <i>Environmental and Experimental Botany</i> , 2023, 207, 105199.	2.0	0
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17720	Optimization of Regeneration and Agrobacterium-Mediated Transformation Protocols for Bi and Multilocular Varieties of <i>Brassica rapa</i> . <i>Plants</i> , 2023, 12, 161.	1.6	1
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17724	Histone deacetylation regulates de novo shoot regeneration. , 2023, 2, .		5
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17728	H ⁺ -pyrophosphatases enhance low nitrogen stress tolerance in transgenic <i>Arabidopsis</i> and wheat by interacting with a receptor-like protein kinase. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
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17732	Mitochondrial gene defects in <i>Arabidopsis</i> can broadly affect mitochondrial gene expression through copy number. <i>Plant Physiology</i> , 2023, 191, 2256-2275.	2.3	8
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17750	SbNAC9 Improves Drought Tolerance by Enhancing Scavenging Ability of Reactive Oxygen Species and Activating Stress-Responsive Genes of Sorghum. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2401.	1.8	9
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17759	The transcription factor <i>MYC1</i> interacts with <i>FIT</i> to negatively regulate iron homeostasis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2023, 114, 193-208.	2.8	4
17760	<i>ABCB</i> -mediated shootward auxin transport feeds into the root clock. <i>EMBO Reports</i> , 2023, 24, .	2.0	10
17762	Salt stress-induced chloroplastic hydrogen peroxide stimulates pdTPI sulfenylation and methylglyoxal accumulation. <i>Plant Cell</i> , 2023, 35, 1593-1616.	3.1	10
17763	Epidermal <i>phyB</i> requires <i>RRC1</i> to promote light responses by activating the circadian rhythm. <i>New Phytologist</i> , 0, , .	3.5	2
17764	Calcium-dependent protein kinase CDPK16 phosphorylates serine-856 of glutamate receptor-like GLR3.6 protein leading to salt-responsive root growth in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
17765	Photosynthetic-Product-Dependent Activation of Plasma Membrane H ⁺ -ATPase and Nitrate Uptake in <i>Arabidopsis</i> Leaves. <i>Plant and Cell Physiology</i> , 2023, 64, 191-203.	1.5	8
17766	Identification and Verification of BAHDs Related to Benzyl Acetate Synthesis in <i>Prunus mume</i> . <i>Russian Journal of Plant Physiology</i> , 2022, 69, .	0.5	1
17767	Identification and characterization of class E genes involved in floral organ development in <i>Dianthus chinensis</i> . <i>Ornamental Plant Research</i> , 2023, 3, 1-10.	0.2	0
17768	Overexpression of the <i>Liriodendron tulipifera</i> BOP2 Gene (LtuBOP2) Affects Leaf Margin Development in Transgenic <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 3262.	1.8	0
17769	VPS45 is required for both diffuse and tip growth of <i>Arabidopsis thaliana</i> cells. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
17771	An <i>EPFL</i> peptide signaling pathway promotes stamen elongation via enhancing filament cell proliferation to ensure successful self-pollination in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2023, 238, 1045-1058.	3.5	3
17772	ASR1 and ASR2, Two Closely Related ABA-Induced Serine-Rich Transcription Repressors, Function Redundantly to Regulate ABA Responses in <i>Arabidopsis</i> . <i>Plants</i> , 2023, 12, 852.	1.6	1

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17774	Brassinosteroid gene regulatory networks at cellular resolution in the <i>Arabidopsis</i> root. <i>Science</i> , 2023, 379, .	6.0	26
17775	A nonsynonymous mutation in an acetolactate synthase gene (Gh_D10G1253) is required for tolerance to imidazolinone herbicides in cotton. <i>Journal of Cotton Research</i> , 2023, 6, .	1.0	1
17777	Histone H2A monoubiquitination marks are targeted to specific sites by cohesin subunits in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2023, 14, .	5.8	4
17779	Generation of Wheat Near-Isogenic Lines Overexpressing 1Bx7 Glutenin with Increased Protein Contents and SDS-Sedimentation Values. <i>Plants</i> , 2023, 12, 1244.	1.6	2
17781	Functional characterization of three TERMINAL FLOWER 1-like genes from <i>Platanus acerifolia</i> . <i>Plant Cell Reports</i> , 2023, 42, 1071-1088.	2.8	0
17782	Functional characterization of PsAMT1.1 from <i>Populus simonii</i> in ammonium transport and its role in nitrogen uptake and metabolism. <i>Environmental and Experimental Botany</i> , 2023, 208, 105255.	2.0	1
17783	The abscisic acid-responsive element binding factors MAPKKK18 module regulates abscisic acid-induced leaf senescence in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2023, 299, 103060.	1.6	8
17784	Fine mapping of QTL conferring resistance to calcareous soil in mungbean reveals VrYSL3 as candidate gene for the resistance. <i>Plant Science</i> , 2023, 332, 111698.	1.7	0
17785	<i>Arabidopsis</i> pollen-specific glycerophosphodiester phosphodiesterase-like genes are essential for pollen tube tip growth. <i>Journal of Integrative Plant Biology</i> , 2023, 65, 2001-2017.	4.1	1
17786	A conserved gene regulatory network controls root epidermal cell patterning in superrosid species. <i>New Phytologist</i> , 2023, 238, 2410-2426.	3.5	2
17787	The transcription factor PbrMYB24 regulates lignin and cellulose biosynthesis in stone cells of pear fruits. <i>Plant Physiology</i> , 2023, 192, 1997-2014.	2.3	13
17788	PROGRAMMED CELL DEATH8 interacts with tetrapyrrole biosynthesis enzymes and ClpC1 to maintain homeostasis of tetrapyrrole metabolites in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2023, 238, 2545-2560.	3.5	1
17789	OBERON3 and SUPPRESSOR OF MAX2 1-LIKE proteins form a regulatory module driving phloem development. <i>Nature Communications</i> , 2023, 14, .	5.8	4
17790	MERISTEM-DEFECTIVE regulates the balance between stemness and differentiation in the root meristem through RNA splicing control. <i>Development (Cambridge)</i> , 2023, 150, .	1.2	2
17791	The <i>AtERF19</i> gene regulates meristem activity and flower organ size in plants. <i>Plant Journal</i> , 2023, 114, 1338-1352.	2.8	1
17792	The wheat Mitogen Activated Protein Kinase TMPK3 plays a positive role in salt and osmotic stress response. <i>Acta Physiologiae Plantarum</i> , 2023, 45, .	1.0	1
17793	PpIBH1-1 limits internode elongation of peach shoot in a dose-dependent manner. <i>Plant Science</i> , 2023, 330, 111630.	1.7	0
17794	BAG6-A from <i>Fragaria viridis</i> pollen modulates gametophyte development in diploid strawberry. <i>Plant Science</i> , 2023, 330, 111667.	1.7	0

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17795	Preliminary analysis reveals that RCF1 confers resistance to <i>Pseudomonas syringae</i> pv. tomato DC3000 but impairs <i>Botrytis cinerea</i> infection. <i>Physiological and Molecular Plant Pathology</i> , 2023, 125, 102002.	1.3	0
17796	GhMYB44 enhances stomatal closure to confer drought stress tolerance in cotton and <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2023, 198, 107692.	2.8	2
17797	Constitutive expression of a membrane-bound NAC transcription factor AmNTL1 from a desert shrub <i>Ammopiptanthus mongolicus</i> enhances abiotic stress tolerance of transgenic <i>Arabidopsis</i> . <i>South African Journal of Botany</i> , 2023, 156, 99-109.	1.2	2
17798	Genome-wide analysis of calcium-dependent protein kinase (CDPK) family and functional characterization of TaCDPK25-U in response to drought stress in wheat. <i>Environmental and Experimental Botany</i> , 2023, 209, 105277.	2.0	4
17799	<i>Arabidopsis</i> plants overexpressing additional copies of heat shock protein Hsp101 showed high heat tolerance and endo-gene silencing. <i>Plant Science</i> , 2023, 330, 111639.	1.7	5
17800	Regulation of chlorophyll biosynthesis by light-dependent acetylation of NADPH:protochlorophyll oxidoreductase A in <i>Arabidopsis</i> . <i>Plant Science</i> , 2023, 330, 111641.	1.7	0
17801	Pepper clade A PP2C, CaSIP1, negatively modulates drought resistance by suppressing CaSnRK2.6 kinase activity. <i>Environmental and Experimental Botany</i> , 2023, 209, 105275.	2.0	1
17802	The wheat TaF-box3, SCF ubiquitin ligase component, participates in the regulation of flowering time in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2023, 331, 111668.	1.7	0
17803	Integrating transcriptome and phytohormones analysis provided insights into plant height development in sesame. <i>Plant Physiology and Biochemistry</i> , 2023, 198, 107695.	2.8	4
17804	The BrAFP1 promoter drives gene-specific expression in leaves and stems of winter rapeseed (<i>Brassica</i>) Tj ETQq1 1 0.784314 µgBT /Over	1.7	0
17805	Plastid 2-Cys peroxiredoxins are essential for embryogenesis in <i>Arabidopsis</i> . <i>Redox Biology</i> , 2023, 62, 102645.	3.9	0
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17807	Expression of TaNCL2-A ameliorates cadmium toxicity by increasing calcium and enzymatic antioxidants activities in <i>Arabidopsis</i> . <i>Chemosphere</i> , 2023, 329, 138636.	4.2	9
17808	Upstream open reading frame-mediated upregulation of ANAC082 expression in response to nucleolar stress in <i>Arabidopsis</i> . <i>Plant Biotechnology</i> , 2023, 40, 21-30.	0.5	1
17809	Organization, genomic targeting, and assembly of three distinct SWI/SNF chromatin remodeling complexes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 2464-2483.	3.1	7
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17812	Mutation at the 197 site and P450-mediated metabolic resistance are involved in bensulfuron-methyl resistance in <i>Sagittaria trifolia</i> . <i>Plant Science</i> , 2023, 331, 111700.	1.7	2
17816	Molecular identification of a flavone synthase I/flavanone 3 ^β -hydroxylase bifunctional enzyme from fern species <i>Psilotum nudum</i> . <i>Plant Science</i> , 2023, 329, 111599.	1.7	1

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17818	Identification of SHORT VEGETATIVE PHASE (SVP)-like genes and necessary responsibility of CmSVPc for the development of lateral branches in melon (<i>Cucumis melo</i> L.). <i>Scientia Horticulturae</i> , 2023, 312, 111845.	1.7	1
17819	Cation diffusion facilitator proteins of <i>Beta vulgaris</i> reveal diversity of metal handling in dicotyledons. <i>Plant, Cell and Environment</i> , 2023, 46, 1629-1652.	2.8	0
17820	Characterization of the soybean KRP gene family reveals a key role for GmKRP2a in root development. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
17821	<scp>RAV1</scp> family members function as transcriptional regulators and play a positive role in plant disease resistance. <i>Plant Journal</i> , 2023, 114, 39-54.	2.8	4
17823	Involvement of a receptor-like kinase complex of FvFLS2 and FvBAK1 in brassinosteroids-induced immunity in postharvest strawberry fruit. <i>Postharvest Biology and Technology</i> , 2023, 198, 112266.	2.9	1
17824	Overexpression of an autophagy-related gene DiATG3 from <i>Davidia involucreta</i> improves plant thermotolerance by enhancing the accumulation of polyamines and regulating genes in calcium and MAPK signaling pathways. <i>Environmental and Experimental Botany</i> , 2023, 208, 105235.	2.0	5
17826	Identification and validation of coding and non-coding RNAs involved in high-temperature-mediated seed dormancy in common wheat. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	4
17827	Hydathode immunity protects the <i>Arabidopsis</i> leaf vasculature against colonization by bacterial pathogens. <i>Current Biology</i> , 2023, 33, 697-710.e6.	1.8	5
17828	Two independent loss-of-function mutations in <i>anthocyanidin synthase</i> homeologous genes are responsible for the all-green phenotype of sweet basil. <i>Physiologia Plantarum</i> , 2023, 175, .	2.6	5
17829	ZmTIFY16, a novel maize TIFY transcription factor gene, promotes root growth and development and enhances drought and salt tolerance in <i>Arabidopsis</i> and <i>Zea mays</i> . <i>Plant Growth Regulation</i> , 2023, 100, 149-160.	1.8	2
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17831	<i>RsERF40</i> contributes to cold stress tolerance and cell expansion of taproot in radish (<i>Raphanus sativus</i> L.). <i>Horticulture Research</i> , 2023, 10, .	2.9	5
17832	JA-induced TaMPK6 enhanced the freeze tolerance of <i>Arabidopsis thaliana</i> through regulation of ICE-CBF-COR module and antioxidant enzyme system. <i>Plant Science</i> , 2023, 329, 111621.	1.7	2
17833	The grapevine LysM receptor-like kinase VvLYK5-1 recognizes chitin oligomers through its association with VvLYK1-1. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	3
17834	Gene Profiling of the Ascorbate Oxidase Family Genes under Osmotic and Cold Stress Reveals the Role of AnAO5 in Cold Adaptation in <i>Ammopiptanthus nanus</i> . <i>Plants</i> , 2023, 12, 677.	1.6	6
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17838	MOTHERâ€™Sâ€™TALKERâ€™1 regulates the seed oil and protein content in soybean. <i>New Phytologist</i> , 2023, 239, 905-919.	3.5	10
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17840	Phosphorylation of the LCB1 subunit of <i>Arabidopsis</i> serine palmitoyltransferase stimulates its activity and modulates sphingolipid biosynthesis. <i>Journal of Integrative Plant Biology</i> , 2023, 65, 1585-1601.	4.1	2
17842	Elucidating Biological Functions of 9-cis-Epoxycarotenoid Dioxygenase Genes Involved in Seed Dormancy in <i>Paeonia lactiflora</i> . <i>Plants</i> , 2023, 12, 710.	1.6	4
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17844	Proteasomal degradation of MaMYB60 mediated by the E3 ligase MaBAH1 causes high temperature-induced repression of chlorophyll catabolism and green ripening in banana. <i>Plant Cell</i> , 2023, 35, 1408-1428.	3.1	20
17845	PAT1-type GRAS-domain proteins control regeneration by activating DOF3.4 to drive cell proliferation in <i>Arabidopsis</i> roots. <i>Plant Cell</i> , 2023, 35, 1513-1531.	3.1	13
17846	Anisotropic cell growth at the leaf base promotes age-related changes in leaf shape in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2023, 35, 1386-1407.	3.1	10
17847	Cooperative role of <i>AtRsmD</i> and <i>AtRimM</i> proteins in modification and maturation of 16S rRNA in plastids. <i>Plant Journal</i> , 2023, 114, 310-324.	2.8	1
17848	<i>RUVBL</i> proteins are involved in plant gametophyte development. <i>Plant Journal</i> , 2023, 114, 325-337.	2.8	1
17849	Overexpression of a plant U-box gene TaPUB4 confers drought stress tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2023, 196, 596-607.	2.8	4
17850	Molecular cloning and functional characterization of the promoter of a novel <i>Aspergillus flavus</i> inducible gene (<i>AhOMT1</i>) from peanut. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
17851	Genome-wide identification of the CPK gene family in wheat (<i>Triticum aestivum</i> L.) and characterization of TaCPK40 associated with seed dormancy and germination. <i>Plant Physiology and Biochemistry</i> , 2023, 196, 608-623.	2.8	4
17852	Ectopic Expression of PvHMA2.1 Enhances Cadmium Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 3544.	1.8	2
17853	Salinity-Induced Cytosolic Alkaline Shifts in <i>Arabidopsis</i> Roots Require the SOS Pathway. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3549.	1.8	2
17854	The Raf-like MAPKKK INTEGRIN-LINKED KINASE 5 regulates purinergic receptor-mediated innate immunity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 1572-1592.	3.1	12
17856	Usefulness and Molecular Mechanism of Seed-Specificity Introduced by AtBZR1 and AtBES1 to Improve Seed Yield and Quality in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Biology</i> , 0, , .	0.9	0

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17858	Cloning and expression of tonoplast membrane intrinsic protein genes in leaves of <i>Vitis heyneana</i> and overexpression of VhTIP2;1 in <i>Arabidopsis</i> confer drought tolerance. <i>Acta Physiologiae Plantarum</i> , 2023, 45, .	1.0	3
17859	Lysine 27 of histone H3 is a fine modulator of developmental gene expression and stands as an epigenetic checkpoint for lignin biosynthesis in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2023, 238, 1085-1100.	3.5	4
17860	Overexpression of PGPR responsive chickpea miRNA166 targeting ATHB15 for drought stress mitigation. <i>Plant Cell, Tissue and Organ Culture</i> , 2023, 154, 381-398.	1.2	4
17861	Ascorbic acid-mediated reactive oxygen species homeostasis modulates the switch from tapetal cell division to cell differentiation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 1474-1495.	3.1	11
17862	The transcription factor POPEYE negatively regulates the expression of bHLH Ib genes to maintain iron homeostasis. <i>Journal of Experimental Botany</i> , 2023, 74, 2754-2767.	2.4	6
17863	Genomic insight into changes of root architecture under drought stress in maize. <i>Plant, Cell and Environment</i> , 2023, 46, 1860-1872.	2.8	3
17864	PHYTOCHROME INTERACTING FACTOR 4 regulates microtubule organization to mediate high temperature-induced hypocotyl elongation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2023, 35, 2044-2061.	3.1	5
17865	PcCLCG is involved in the accumulation of Cl ⁻ in shoots for osmotic adjustment and salinity resistance in the Cl ⁻ -tolerant xerophyte <i>Pugionium cornutum</i> . <i>Plant and Soil</i> , 2023, 487, 283-298.	1.8	2
17867	Characterization of B- and C-class MADS-box genes in medicinal plant <i>Epimedium sagittatum</i> , 2023, 2, 1-7.		0
17868	Putative pectate lyase PLL12 and callose deposition through polar CALS7 are necessary for long-distance phloem transport in <i>Arabidopsis</i> . <i>Current Biology</i> , 2023, 33, 926-939.e9.	1.8	7
17869	Global translational induction during NLR-mediated immunity in plants is dynamically regulated by CDC123, an ATP-sensitive protein. <i>Cell Host and Microbe</i> , 2023, 31, 334-342.e5.	5.1	11
17870	Characterization of RING-type ubiquitin SINA E3 ligases and their responsive expression to salt and osmotic stresses in <i>Brassica napus</i> . <i>Plant Cell Reports</i> , 2023, 42, 859-877.	2.8	2
17871	Puncta-localized TRAF domain protein TC1b contributes to the autoimmunity of <i>Arabidopsis</i> . <i>Plant Journal</i> , 2023, 114, 591-612.	2.8	0
17872	<i>Dioscorea composita</i> WRKY12 is involved in the regulation of salt tolerance by directly activating the promoter of AtRC12A. <i>Plant Physiology and Biochemistry</i> , 2023, 196, 746-758.	2.8	4
17873	Distinct functions of FASCICLIN-LIKE ARABINOGALACTAN PROTEINS relate to domain structure. <i>Plant Physiology</i> , 2023, 192, 119-132.	2.3	5
17874	Coregulation of glutamine synthetase1;2 (GLN1;2) and NADH-dependent glutamate synthase (GLT1) gene expression in <i>Arabidopsis</i> roots in response to ammonium supply. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	4
17875	A novel high-affinity potassium transporter SeHKT1;2 from halophyte <i>Salicornia europaea</i> shows strong selectivity for Na ⁺ rather than K ⁺ . <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2

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17877	Cloning of an Albino Mutation of <i>Arabidopsis thaliana</i> Using Mapping-by-Sequencing. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4196.	1.8	1
17878	The RING-H2 gene <i>LdXERICO</i> plays a negative role in dormancy release regulated by low temperature in <i>Lilium davidii</i> var. <i>unicolor</i> . <i>Horticulture Research</i> , 2023, 10, .	2.9	0
17879	The mutual regulation between <i>DcEBF1</i> /2 and <i>DcEIL3</i> is involved in ethylene induced petal senescence in carnation (<i>Dianthus caryophyllus</i> L.). <i>Plant Journal</i> , 2023, 114, 636-650.	2.8	7
17880	An ancestral role for 3-KETOACYL-COA SYNTHASE3 as a negative regulator of plant cuticular wax synthesis. <i>Plant Cell</i> , 2023, 35, 2251-2270.	3.1	10
17881	FRUCTOSE INSENSITIVE1 regulates stem cell function in <i>Arabidopsis</i> in response to fructose signalling. <i>Journal of Experimental Botany</i> , 2023, 74, 3060-3073.	2.4	3
17882	MicroRNA156ab regulates apple plant growth and drought tolerance by targeting transcription factor MsSPL13. <i>Plant Physiology</i> , 2023, 192, 1836-1857.	2.3	12
17883	m6A mRNA modification promotes chilling tolerance and modulates gene translation efficiency in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2023, 192, 1466-1482.	2.3	13
17884	Conservation of land plant-specific receptor-like cytoplasmic kinase subfamily XI possessing a unique kinase insert domain. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
17885	Multiple ubiquitin E3 ligase genes antagonistically regulate chloroplast-associated protein degradation. <i>Current Biology</i> , 2023, 33, 1138-1146.e5.	1.8	2
17886	Regulatory mechanism of MeGI on sexuality in <i>Diospyros oleifera</i> . <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
17888	Overexpression of <i>ZmDUF1644</i> from <i>Zoysia matrella</i> enhances salt tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2024, 102, 107-117.	1.8	1
17889	The <i>Arabidopsis</i> <i>INNER NO OUTER</i> (<i>INO</i>) gene acts exclusively and quantitatively in regulation of ovule outer integument development. <i>Plant Direct</i> , 2023, 7, .	0.8	6
17890	Enhancer activation via TCP and HD-ZIP and repression by Dof transcription factors mediate giant cell-specific expression. <i>Plant Cell</i> , 2023, 35, 2349-2368.	3.1	2
17892	Identification of Pyrabactin resistance 1-like (PYL) genes in <i>Brachypodium distachyon</i> and functional characterization of <i>BdPYL5</i> . <i>Journal of Plant Physiology</i> , 2023, 283, 153949.	1.6	0
17893	Cytokinin Response Factor 9 Represses Cytokinin Responses in Flower Development. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4380.	1.8	0
17894	The <i>SMC5</i> /6 complex recruits the <i>PAF1</i> complex to facilitate <i>DNA</i> double-strand break repair in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2023, 42, .	3.5	7
17895	Light-induced stomatal opening in <i>Arabidopsis</i> is negatively regulated by chloroplast-originated OPDA signaling. <i>Current Biology</i> , 2023, 33, 1071-1081.e5.	1.8	4

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17897	Comparative Transcriptomic Analysis Revealed the Suppression and Alternative Splicing of Kiwifruit (<i>Actinidia latifolia</i>) NAP1 Gene Mediating Trichome Development. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4481.	1.8	1
17898	Genome-wide analysis of MdGeBP family and functional identification of MdGeBP3 in <i>Malus domestica</i> . <i>Environmental and Experimental Botany</i> , 2023, 208, 105262.	2.0	1
17899	Assessing the biotechnological potential of cotton type-1 and type-2 diacylglycerol acyltransferases in transgenic systems. <i>Plant Physiology and Biochemistry</i> , 2023, 196, 940-951.	2.8	1
17900	Promoter activity and transcriptome analyses decipher functions of CgBHLH001 gene (<i>Chenopodium</i>) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.6	2
17901	Maize tubulin folding cofactor B is required for cell division and cell growth through modulating microtubule homeostasis. <i>New Phytologist</i> , 2023, 239, 1707-1722.	3.5	5
17903	A MYB-related transcription factor from peanut, AhMYB30, improves freezing and salt stress tolerance in transgenic <i>Arabidopsis</i> through both DREB/CBF and ABA-signaling pathways. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	7
17904	MEDIATOR SUBUNIT17 is required for transcriptional optimization of root system architecture in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2023, 192, 1548-1568.	2.3	4
17905	Genome-Wide Investigation of Apyrase (APY) Genes in Peanut (<i>Arachis hypogaea</i> L.) and Functional Characterization of a Pod-Abundant Expression Promoter AhAPY2-1p. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4622.	1.8	2
17906	Repressive ZINC FINGER OF ARABIDOPSIS THALIANA proteins promote programmed cell death in the <i>Arabidopsis columella</i> root cap. <i>Plant Physiology</i> , 0, , .	2.3	1
17907	<i>cis</i>-Golgi phosphate transporters harboring an EXS domain are essential for plant growth and development. <i>Plant Physiology</i> , 0, , .	2.3	0
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17910	Functional importance and divergence of plant apurinic/apyrimidinic endonucleases in somatic and meiotic DNA repair. <i>Plant Cell</i> , 2023, 35, 2316-2331.	3.1	6
17911	The <i>Arabidopsis</i> xylosyltransferases, <sc>XXT3</sc> , <sc>XXT4</sc> , and <sc>XXT5,</sc> are essential to complete the fully xylosylated glucan backbone <sc>XXXG</sc> â€type structure of xyloglucans. <i>New Phytologist</i> , 0, , .	3.5	0
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17914	CRISPR/Cas-mediated <i>in planta</i> gene targeting: current advances and challenges. <i>Journal of Experimental Botany</i> , 2023, 74, 3806-3820.	2.4	2
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17933	Overexpression of the Wheat TaPsb28 Gene Enhances Drought Tolerance in Transgenic Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5226.	1.8	2
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17935	Functional interdependence of <i>N</i> ⁶ -methyladenosine methyltransferase complex subunits in Arabidopsis. <i>Plant Cell</i> , 2023, 35, 1901-1916.	3.1	8
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17942	Fine mapping and candidate gene analysis of qFL-A12-5: a fiber length-related QTL introgressed from <i>Gossypium barbadense</i> into <i>Gossypium hirsutum</i> . <i>Theoretical and Applied Genetics</i> , 2023, 136, .	1.8	1

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17947	TaBAS1 encoding a typical 2-Cys peroxiredoxin enhances salt tolerance in wheat. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
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18037	Modulating auxin response stabilizes tomato fruit set. <i>Plant Physiology</i> , 2023, 192, 2336-2355.	2.3	3
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