Kirankumar S Mysore

List of Publications by Year
in descending order

252 papers	15,332 citations	13068 68 h-index	24915 109 g-index
271 all docs	271 docs citations	271 times ranked	13492 citing authors

#	Article	IF	Citations
1	Medicago truncatula resources to study legume biology and symbiotic nitrogen fixation. Fundamental Research, 2023, 3, 219-224.	1.6	3
2	Spatiotemporal cytokinin response imaging and ISOPENTENYLTRANSFERASE 3 function in Medicago nodule development. Plant Physiology, 2022, 188, 560-575.	2.3	10
3	Analysis of Differentially Expressed Rice Genes Reveals the ATP-Binding Cassette Transporters as Candidate Genes Against the Sheath Blight Pathogen, <i>Rhizoctonia solani</i>. PhytoFrontiers, 2022, 2, 105-115.	0.8	4
4	Plant circadian clock control of <i>Medicago truncatula</i> nodulation via regulation of nodule cysteine-rich peptides. Journal of Experimental Botany, 2022, 73, 2142-2156.	2.4	9
5	<scp><i>KIN3</i></scp> impacts arbuscular mycorrhizal symbiosis and promotes fungal colonisation in <i>Medicago truncatula</i>. Plant Journal, 2022, 110, 513-528.	2.8	9
6	A legume-specific novel type of phytosulfokine, PSK-Î´, promotes nodulation by enhancing nodule organogenesis. Journal of Experimental Botany, 2022, 73, 2698-2713.	2.4	4
7	Whole Genome Sequencing Identifies a Medicago truncatula Tnt1 Insertion Mutant in the VTL8 Gene that is Essential for Symbiotic Nitrogen Fixation. Compendium of Plant Genomes, 2022, , 103-112.	0.3	2
8	Recent Advances in Plant Gene Silencing Methods. Methods in Molecular Biology, 2022, 2408, 1-22.	0.4	4
9	Virus-Induced Gene Silencing in Sorghum Using Brome Mosaic Virus. Methods in Molecular Biology, 2022, 2408, 109-115.	0.4	1
10	High-Throughput Analysis of Gene Function under Multiple Abiotic Stresses Using Leaf Disks from Silenced Plants. Methods in Molecular Biology, 2022, 2408, 181-189.	0.4	0
11	Overexpression of Arabidopsis nucleolar GTP-binding 1 (NOG1) proteins confers drought tolerance in rice. Plant Physiology, 2022, 189, 988-1004.	2.3	10
12	Agrobacterium expressing aÂtype III secretion system delivers Pseudomonas effectors into plant cells to enhance transformation. Nature Communications, 2022, 13, 2581.	5.8	32
13	The Pattern Recognition Receptor FLS2 Can Shape the Arabidopsis Rhizosphere Microbiome Î²-Diversity but Not EFR1 and CERK1. Plants, 2022, 11, 1323.	1.6	5
14	Functional role of formate dehydrogenase 1 (FDH1) for host and nonhost disease resistance against bacterial pathogens. PLoS ONE, 2022, 17, e0264917.	1.1	5
15	The 3-ketoacyl-CoA synthase WFL is involved in lateral organ development and cuticular wax synthesis in Medicago truncatula. Plant Molecular Biology, 2021, 105, 193-204.	2.0	24
16	Genome-wide identification and characterization of cytokinin oxidase/dehydrogenase family genes in Medicago truncatula. Journal of Plant Physiology, 2021, 256, 153308.	1.6	16
17	The antagonistic MYB paralogs <i>RH1</i> and <i>RH2</i> govern anthocyanin leaf markings in <i>Medicago truncatula</i>. New Phytologist, 2021, 229, 3330-3344.	3.5	18
18	A Novel Role of Salt- and Drought-Induced RING 1 Protein in Modulating Plant Defense Against Hemibiotrophic and Necrotrophic Pathogens. Molecular Plant-Microbe Interactions, 2021, 34, 297-308.	1.4	9

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19	MtSUPERMAN plays a key role in compound inflorescence and flower development in Medicago truncatula. Plant Journal, 2021, 105, 816-830.	2.8	17
20	MtFULc controls inflorescence development by directly repressing MtTFL1 in Medicago truncatula. Journal of Plant Physiology, 2021, 256, 153329.	1.6	5
21	The first genomic resources for Phymatotrichopsis omnivora, a soil-borne pezizomycete pathogen with a broad host range. Phytopathology, 2021, , PHYTO01210014A.	1.1	3
22	The Candidate Photoperiod Gene MtFE Promotes Growth and Flowering in Medicago truncatula. Frontiers in Plant Science, 2021, 12, 634091.	1.7	8
23	Delineating the Tnt1 Insertion Landscape of the Model Legume Medicago truncatula cv. R108 at the Hi-C Resolution Using a Chromosome-Length Genome Assembly. International Journal of Molecular Sciences, 2021, 22, 4326.	1.8	13
24	<i><scp>Medicago truncatula</scp> Yellow <scp>Stripeâ€Like7</scp></i> encodes a peptide transporter participating in symbiotic nitrogen fixation. Plant, Cell and Environment, 2021, 44, 1908-1920.	2.8	7
25	Auxin Response Factor 2 (ARF2), ARF3, and ARF4 Mediate Both Lateral Root and Nitrogen Fixing Nodule Development in Medicago truncatula. Frontiers in Plant Science, 2021, 12, 659061.	1.7	18
26	MtFDa is essential for flowering control and inflorescence development in Medicago truncatula. Journal of Plant Physiology, 2021, 260, 153412.	1.6	1
27	LATE MERISTEM IDENTITY1 regulates leaf margin development via the auxin transporter gene <i>SMOOTH LEAF MARGIN1</i>. Plant Physiology, 2021, 187, 218-235.	2.3	13
28	Protocol for determining protein cysteine thiol redox status using western blot analysis. STAR Protocols, 2021, 2, 100566.	0.5	4
29	The Arabidopsis Iron-Sulfur (Fe-S) Cluster Gene MFDX1 Plays a Role in Host and Nonhost Disease Resistance by Accumulation of Defense-Related Metabolites. International Journal of Molecular Sciences, 2021, 22, 7147.	1.8	5
30	MtNPF6.5 mediates chloride uptake and nitrate preference in Medicago roots. EMBO Journal, 2021, 40, e106847.	3.5	14
31	Brassinosteroid homeostasis is critical for the functionality of the <i>Medicago truncatula</i> pulvinus. Plant Physiology, 2021, 185, 1745-1763.	2.3	8
32	Dark Respiration Measurement from Arabidopsis Shoots. Bio-protocol, 2021, 11, e4181.	0.2	1
33	Proteasomal Degradation of JAZ9 by Salt- and Drought-Induced Ring Finger 1 During Pathogen Infection. Molecular Plant-Microbe Interactions, 2021, 34, 1358-1364.	1.4	1
34	NIN-like protein transcription factors regulate leghemoglobin genes in legume nodules. Science, 2021, 374, 625-628.	6.0	61
35	Celebrating 20 Years of Genetic Discoveries in Legume Nodulation and Symbiotic Nitrogen Fixation. Plant Cell, 2020, 32, 15-41.	3.1	416
36	<i>Sinorhizobium meliloti</i> succinylated highâ€molecularâ€weight succinoglycan and the <i>Medicago truncatula</i> LysM receptorâ€like kinase MtLYK10 participate independently in symbiotic infection. Plant Journal, 2020, 102, 311-326.	2.8	37

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37	<i>pssRNAit</i>: A Web Server for Designing Effective and Specific Plant siRNAs with Genome-Wide Off-Target Assessment. Plant Physiology, 2020, 184, 65-81.	2.3	54
38	Medicago PHYA promotes flowering, primary stem elongation and expression of flowering time genes in long days. BMC Plant Biology, 2020, 20, 329.	1.6	15
39	MtPIN1 and MtPIN3 Play Dual Roles in Regulation of Shade Avoidance Response under Different Environments in Medicago truncatula. International Journal of Molecular Sciences, 2020, 21, 8742.	1.8	3
40	The nodulation and nyctinastic leaf movement is orchestrated by clock gene LHY in <i>Medicago truncatula</i>. Journal of Integrative Plant Biology, 2020, 62, 1880-1895.	4.1	26
41	Ribosomal protein QM/RPL10 positively regulates defence and protein translation mechanisms during nonhost disease resistance. Molecular Plant Pathology, 2020, 21, 1481-1494.	2.0	23
42	Ironâ€"Sulfur Cluster Protein NITROGEN FIXATION S-LIKE1 and Its Interactor FRATAXIN Function in Plant Immunity. Plant Physiology, 2020, 184, 1532-1548.	2.3	13
43	The <i>Medicago truncatula Yellow Stripe1-Like3</i> gene is involved in vascular delivery of transition metals to root nodules. Journal of Experimental Botany, 2020, 71, 7257-7269.	2.4	10
44	Antagonistic Regulation by CPN60A and CLPC1 of TRXL1 that Regulates MDH Activity Leading to Plant Disease Resistance and Thermotolerance. Cell Reports, 2020, 33, 108512.	2.9	15
45	<i>Medicago truncatula</i> Ferroportin2 mediates iron import into nodule symbiosomes. New Phytologist, 2020, 228, 194-209.	3.5	23
46	A molecular framework underlying the compound leaf pattern of Medicago truncatula. Nature Plants, 2020, 6, 511-521.	4.7	40
47	Carbonyl Cytotoxicity Affects Plant Cellular Processes and Detoxifying Enzymes Scavenge These Compounds to Improve Stress Tolerance. Journal of Agricultural and Food Chemistry, 2020, 68, 6237-6247.	2.4	13
48	Insertional mutagenesis of <i>Brachypodium distachyon</i> using the <i>Tnt1</i> retrotransposable element. Plant Journal, 2020, 103, 1924-1936.	2.8	6
49	Role of cytosolic, tyrosineâ€insensitive prephenate dehydrogenase in <i>MedicagoÂtruncatula</i>. Plant Direct, 2020, 4, e00218.	0.8	7
50	<i>Lateral Leaflet Suppression 1 </i>(<i>LLS1</i>), encoding the MtYUCCA1 protein, regulates lateral leaflet development in <i>Medicago truncatula</i>. New Phytologist, 2020, 227, 613-628.	3.5	21
51	Flexible functional interactions between Gâ€protein subunits contribute to the specificity of plant responses. Plant Journal, 2020, 102, 207-221.	2.8	17
52	Plasticity of Phymatotrichopsis omnivora infection strategies is dependent on host and nonhost plant responses. Plant, Cell and Environment, 2020, 43, 1084-1101.	2.8	4
53	SLENDER RICE1 and Oryza sativa INDETERMINATE DOMAIN2 Regulating OsmiR396 Are Involved in Stem Elongation. Plant Physiology, 2020, 182, 2213-2227.	2.3	32
54	The CLE53â€"SUNN genetic pathway negatively regulates arbuscular mycorrhiza root colonization in Medicago truncatula. Journal of Experimental Botany, 2020, 71, 4972-4984.	2.4	36

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55	The ATPase Activity of Escherichia coli Expressed AAA+-ATPase Protein. Bio-protocol, 2020, 10, e3705.	0.2	0
56	Genes involved in nonhost disease resistance as a key to engineer durable resistance in crops. Plant Science, 2019, 279, 108-116.	1.7	52
57	MtMOT1.2 is responsible for molybdate supply to <scp><i>Medicago truncatula</i></scp> nodules. Plant, Cell and Environment, 2019, 42, 310-320.	2.8	54
58	DiVenn: An Interactive and Integrated Web-Based Visualization Tool for Comparing Gene Lists. Frontiers in Genetics, 2019, 10, 421.	1.1	85
59	Genomics of Plant Disease Resistance in Legumes. Frontiers in Plant Science, 2019, 10, 1345.	1.7	27
60	NODULE INCEPTION Recruits the Lateral Root Developmental Program for Symbiotic Nodule Organogenesis in Medicago truncatula. Current Biology, 2019, 29, 3657-3668.e5.	1.8	177
61	Overexpression of VIRE2-INTERACTING PROTEIN2 in Arabidopsis regulates genes involved in Agrobacterium-mediated plant transformation and abiotic stresses. Scientific Reports, 2019, 9, 13503.	1.6	4
62	Overexpression of Medicago MtCDFd1_1 Causes Delayed Flowering in Medicago via Repression of MtFTa1 but Not MtCO-Like Genes. Frontiers in Plant Science, 2019, 10, 1148.	1.7	15
63	The <i>Medicago truncatula</i> LysM receptorâ€like kinase LYK9 plays a dual role in immunity and the arbuscular mycorrhizal symbiosis. New Phytologist, 2019, 223, 1516-1529.	3.5	59
64	Draft Genome Sequence Resource of Switchgrass Rust Pathogen, <i>Puccinia novopanici</i> Isolate Ard-01. Phytopathology, 2019, 109, 1513-1515.	1.1	6
65	AGAMOUS AND TERMINAL FLOWER controls floral organ identity and inflorescence development in <i>Medicago truncatula</i>. Journal of Integrative Plant Biology, 2019, 61, 917-923.	4.1	9
66	<i>AGLF</i> provides C-function in floral organ identity through transcriptional regulation of <i>AGAMOUS</i> in <i>Medicago truncatula</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5176-5181.	3.3	20
67	Genomeâ€wide analysis of flanking sequences reveals thatÂ<i>Tnt1</i> insertion is positively correlated with gene methylation in <i>Medicago truncatula</i>. Plant Journal, 2019, 98, 1106-1119.	2.8	25
68	The future of legume genetic data resources: Challenges, opportunities, and priorities. , 2019, 1, e16.		30
69	Salmonella entericaserovar Typhimurium ATCC 14028S is tolerant to plant defenses triggered by the flagellin receptor FLS2. FEMS Microbiology Letters, 2019, 366, .	0.7	10
70	A Novel Positive Regulator of the Early Stages of Root Nodule Symbiosis Identified by Phosphoproteomics. Plant and Cell Physiology, 2019, 60, 575-586.	1.5	10
71	Exploring natural variation for rice sheath blight resistance in Brachypodium distachyon. Plant Signaling and Behavior, 2019, 14, 1546527.	1.2	2
72	A Dihydroflavonol-4-Reductase-Like Protein Interacts with NFR5 and Regulates Rhizobial Infection in <i>Lotus japonicus</i>. Molecular Plant-Microbe Interactions, 2019, 32, 401-412.	1.4	4

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73	HEADLESS, aWUSCHELhomolog, uncovers novel aspects of shoot meristem regulation and leaf blade development inMedicago truncatula. Journal of Experimental Botany, 2019, 70, 149-163.	2.4	31
74	Nicotianamine Synthase 2 Is Required for Symbiotic Nitrogen Fixation in Medicago truncatula Nodules. Frontiers in Plant Science, 2019, 10, 1780.	1.7	13
75	Metabolic flux towards the (iso)flavonoid pathway in lignin modified alfalfa lines induces resistance against<i>Fusarium oxysporum</i>f. sp.<i>medicaginis</i>. Plant, Cell and Environment, 2018, 41, 1997-2007.	2.8	27
76	Virusâ€induced gene silencing database for phenomics and functional genomics in <i>Nicotiana benthamiana</i>. Plant Direct, 2018, 2, e00055.	0.8	15
77	Role of the Nod Factor Hydrolase MtNFH1 in Regulating Nod Factor Levels during Rhizobial Infection and in Mature Nodules of <i>Medicago truncatula</i>. Plant Cell, 2018, 30, 397-414.	3.1	40
78	Transcriptomeâ€based analyses of phosphiteâ€mediated suppression of rust pathogens <i>Puccinia emaculata</i> and <i>Phakopsora pachyrhizi</i> and functional characterization of selected fungal target genes. Plant Journal, 2018, 93, 894-904.	2.8	31
79	Symbiotic root infections in <i>Medicago truncatula</i> require remorin-mediated receptor stabilization in membrane nanodomains. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5289-5294.	3.3	80
80	Tissue Culture (Somatic Embryogenesis)-Induced Tnt1 Retrotransposon-Based Mutagenesis in Brachypodium distachyon. Methods in Molecular Biology, 2018, 1667, 57-63.	0.4	2
81	NIN interacts with NLPs to mediate nitrate inhibition of nodulation in Medicago truncatula. Nature Plants, 2018, 4, 942-952.	4.7	111
82	Effect of Acyl Activating Enzyme (AAE) 3 on the growth and development of Medicago truncatula. Biochemical and Biophysical Research Communications, 2018, 505, 255-260.	1.0	7
83	MiR393 and miR390 synergistically regulate lateral root growth in rice under different conditions. BMC Plant Biology, 2018, 18, 261.	1.6	46
84	IPD3 and IPD3L Function Redundantly in Rhizobial and Mycorrhizal Symbioses. Frontiers in Plant Science, 2018, 9, 267.	1.7	34
85	Medicago truncatula SOC1 Genes Are Up-regulated by Environmental Cues That Promote Flowering. Frontiers in Plant Science, 2018, 9, 496.	1.7	30
86	An efficient and improved method for virus-induced gene silencing in sorghum. BMC Plant Biology, 2018, 18, 123.	1.6	25
87	A SOC1-like gene MtSOC1a promotes flowering and primary stem elongation in Medicago. Journal of Experimental Botany, 2018, 69, 4867-4880.	2.4	32
88	Tnt1 Insertional Mutagenesis in Medicago truncatula. Methods in Molecular Biology, 2018, 1822, 107-114.	0.4	9
89	<i>MtNODULE ROOT1</i> and <i>MtNODULE ROOT2</i> Are Essential for Indeterminate Nodule Identity. Plant Physiology, 2018, 178, 295-316.	2.3	40
90	Functional Specialization of Duplicated AGAMOUS Homologs in Regulating Floral Organ Development of Medicago truncatula. Frontiers in Plant Science, 2018, 9, 854.	1.7	18

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91	Nucleolar GTP-Binding Protein 1-2 (NOG1-2) Interacts with Jasmonate-ZIMDomain Protein 9 (JAZ9) to Regulate Stomatal Aperture during Plant Immunity. International Journal of Molecular Sciences, 2018, 19, 1922.	1.8	19
92	Two Chloroplast-Localized Proteins: AtNHR2A and AtNHR2B, Contribute to Callose Deposition During Nonhost Disease Resistance in <i>Arabidopsis</i>. Molecular Plant-Microbe Interactions, 2018, 31, 1280-1290.	1.4	22
93	RNAi and microRNA Technologies to Combat Plant Insect Pests. , 2018, , 150-177.		0
94	Diverse functions of multidrug and toxin extrusion (<scp>MATE</scp>) transporters in citric acid efflux and metal homeostasis in <i>Medicago truncatula</i>. Plant Journal, 2017, 90, 79-95.	2.8	83
95	Enabling Reverse Genetics in Medicago truncatula Using High-Throughput Sequencing for Tnt1 Flanking Sequence Recovery. Methods in Molecular Biology, 2017, 1610, 25-37.	0.4	12
96	Arabidopsis stress associated protein 9 mediates biotic and abiotic stress responsive ABA signaling via the proteasome pathway. Plant, Cell and Environment, 2017, 40, 702-716.	2.8	45
97	Functional characterisation of brassinosteroid receptor MtBRI1 in Medicago truncatula. Scientific Reports, 2017, 7, 9327.	1.6	34
98	GENERAL CONTROL NONREPRESSIBLE4 Degrades 14-3-3 and the RIN4 Complex to Regulate Stomatal Aperture with Implications on Nonhost Disease Resistance and Drought Tolerance. Plant Cell, 2017, 29, 2233-2248.	3.1	56
99	GBF3 transcription factor imparts drought tolerance in Arabidopsis thaliana. Scientific Reports, 2017, 7, 9148.	1.6	77
100	The small GTPase, nucleolar GTP-binding protein 1 (NOG1), has a novel role in plant innate immunity. Scientific Reports, 2017, 7, 9260.	1.6	27
101	<i>Medicago truncatula</i> Molybdate Transporter type 1 (MtMOT1.3) is a plasma membrane molybdenum transporter required for nitrogenase activity in root nodules under molybdenum deficiency. New Phytologist, 2017, 216, 1223-1235.	3.5	79
102	The SAL-PAP Chloroplast Retrograde Pathway Contributes to Plant Immunity by Regulating Glucosinolate Pathway and Phytohormone Signaling. Molecular Plant-Microbe Interactions, 2017, 30, 829-841.	1.4	50
103	The MicroRNA390/TAS3 Pathway Mediates Symbiotic Nodulation and Lateral Root Growth. Plant Physiology, 2017, 174, 2469-2486.	2.3	67
104	Aldoâ€keto reductase enzymes detoxify glyphosate and improve herbicide resistance in plants. Plant Biotechnology Journal, 2017, 15, 794-804.	4.1	46
105	Novel phosphate deficiency-responsive long non-coding RNAs in the legume model plant Medicago truncatula. Journal of Experimental Botany, 2017, 68, 5937-5948.	2.4	77
106	<i>Medicago truncatula</i>: Genetic and Genomic Resources. Current Protocols in Plant Biology, 2017, 2, 318-349.	2.8	12
107	Pseudomonas syringae Flood-inoculation Method in Arabidopsis. Bio-protocol, 2017, 7, e2106.	0.2	14
108	Regulation of anthocyanin and proanthocyanidin biosynthesis by <i><scp>M</scp>edicago truncatula</i> b<scp>HLH</scp> transcription factor <scp>M</scp>t<scp>TT</scp>8. New Phytologist, 2016, 210, 905-921.	3.5	136

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109	<i>NODULES WITH ACTIVATED DEFENSE 1</i> is required for maintenance of rhizobial endosymbiosis in <i>Medicago truncatula</i>. New Phytologist, 2016, 212, 176-191.	3.5	90
110	Different cytokinin histidine kinase receptors regulate nodule initiation as well as later nodule developmental stages in <i>Medicago truncatula</i>. Plant, Cell and Environment, 2016, 39, 2198-2209.	2.8	49
111	<i>Mt<scp>VRN</scp>2</i> is a Polycomb <i><scp>VRN</scp>2</i>â€‹<i>like</i> gene which represses the transition to flowering in the model legume <i>Medicago truncatula</i>. Plant Journal, 2016, 86, 145-160.	2.8	31
112	A symbiosisâ€dedicated SYNTAXIN OF PLANTS 13II isoform controls the formation of a stable hostâ€“microbe interface in symbiosis. New Phytologist, 2016, 211, 1338-1351.	3.5	83
113	The Symbiosis-Related ERN Transcription Factors Act in Concert to Coordinate Rhizobial Host Root Infection. Plant Physiology, 2016, 171, pp.00230.2016.	2.3	48
114	Opposing control by transcription factors MYB61 and MYB3 Increases Freezing Tolerance by relieving C-repeat Binding Factor suppression. Plant Physiology, 2016, 172, pp.00051.2016.	2.3	32
115	Monolignol ferulate conjugates are naturally incorporated into plant lignins. Science Advances, 2016, 2, e1600393.	4.7	147
116	DELLA-mediated gibberellin signalling regulates Nod factor signalling and rhizobial infection. Nature Communications, 2016, 7, 12636.	5.8	135
117	Transcriptome analysis in switchgrass discloses ecotype difference in photosynthetic efficiency. BMC Genomics, 2016, 17, 1040.	1.2	9
118	Evolution by gene duplication of<i>Medicago truncatula PISTILLATA</i>-like transcription factors. Journal of Experimental Botany, 2016, 67, 1805-1817.	2.4	38
119	Rapid identification of causative insertions underlying Medicago truncatula Tnt1 mutants defective in symbiotic nitrogen fixation from a forward genetic screen by whole genome sequencing. BMC Genomics, 2016, 17, 141.	1.2	26
120	NADPH-dependent thioredoxin reductase C plays a role in nonhost disease resistance against<i>Pseudomonas syringae</i>pathogens by regulating chloroplast-generated reactive oxygen species. PeerJ, 2016, 4, e1938.	0.9	27
121	Transcriptomic and metabolomic analyses identify a role for chlorophyll catabolism and phytoalexin during Medicago nonhost resistance against Asian soybean rust. Scientific Reports, 2015, 5, 13061.	1.6	41
122	Transcriptome Profiling of Rust Resistance in Switchgrass Using RNAâ€Seq Analysis. Plant Genome, 2015, 8, eplantgenome2014.10.0075.	1.6	20
123	Role of proline and pyrroline-5-carboxylate metabolism in plant defense against invading pathogens. Frontiers in Plant Science, 2015, 6, 503.	1.7	102
124	The Small GTPase ROP10 of <i>Medicago truncatula</i> Is Required for Both Tip Growth of Root Hairs and Nod Factor-Induced Root Hair Deformation. Plant Cell, 2015, 27, 806-822.	3.1	50
125	Characterization of Brachypodium distachyon as a nonhost model against switchgrass rust pathogen Puccinia emaculata. BMC Plant Biology, 2015, 15, 113.	1.6	25
126	Impact of Concurrent Drought Stress and Pathogen Infection on Plants. , 2015, , 203-222.		18

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127	Strigolactones contribute to shoot elongation and to the formation of leaf margin serrations in Medicago truncatula R108. Journal of Experimental Botany, 2015, 66, 1237-1244.	2.4	40
128	Aboveground insect infestation attenuates belowground <i>Agrobacteriumâ€</i>mediated genetic transformation. New Phytologist, 2015, 207, 148-158.	3.5	24
129	<i>Agrobacterium</i> Tâ€<scp>DNA</scp> integration into the plant genome can occur without the activity of key nonâ€homologous endâ€joining proteins. Plant Journal, 2015, 81, 934-946.	2.8	43
130	Host Versus Nonhost Resistance: Distinct Wars with Similar Arsenals. Phytopathology, 2015, 105, 580-587.	1.1	118
131	<i><scp>LOOSE FLOWER</scp></i>, a <i><scp>WUSCHEL</scp></i>â€like Homeobox gene, is required for lateral fusion of floral organs in <i>Medicago truncatula</i>. Plant Journal, 2015, 81, 480-492.	2.8	34
132	Control of Vegetative to Reproductive Phase Transition Improves Biomass Yield and Simultaneously Reduces Lignin Content in Medicago truncatula. Bioenergy Research, 2015, 8, 857-867.	2.2	23
133	DASH transcription factor impacts Medicago truncatula seed size by its action on embryo morphogenesis and auxin homeostasis. Plant Journal, 2015, 81, 453-466.	2.8	31
134	Plant Ribosomal Proteins, RPL12 and RPL19, Play a Role in Nonhost Disease Resistance against Bacterial Pathogens. Frontiers in Plant Science, 2015, 6, 1192.	1.7	71
135	Advances in Plant Gene Silencing Methods. Methods in Molecular Biology, 2015, 1287, 3-23.	0.4	15
136	Agrobacterium-Mediated Transformation of Tomato with rolB Gene Results in Enhancement of Fruit Quality and Foliar Resistance against Fungal Pathogens. PLoS ONE, 2014, 9, e96979.	1.1	49
137	Two euAGAMOUS Genes Control C-Function in Medicago truncatula. PLoS ONE, 2014, 9, e103770.	1.1	36
138	The Root Hair â€œInfectomeâ€•of <i>Medicago truncatula</i> Uncovers Changes in Cell Cycle Genes and Reveals a Requirement for Auxin Signaling in Rhizobial Infection. Plant Cell, 2014, 26, 4680-4701.	3.1	313
139	Comprehensive analysis of small RNA-seq data reveals that combination of miRNA with its isomiRs increase the accuracy of target prediction in <i>Arabidopsis thaliana</i>. RNA Biology, 2014, 11, 1414-1429.	1.5	46
140	Isolation and functional analysis of CONSTANS-LIKE genes suggests that a central role for CONSTANS in flowering time control is not evolutionarily conserved in Medicago truncatula. Frontiers in Plant Science, 2014, 5, 486.	1.7	80
141	Overexpression of<i>Medicago SVP</i>genes causes floral defects and delayed flowering in<i>Arabidopsis</i>but only affects floral development in<i>Medicago</i>. Journal of Experimental Botany, 2014, 65, 429-442.	2.4	55
142	Local and Systemic Regulation of Plant Root System Architecture and Symbiotic Nodulation by a Receptor-Like Kinase. PLoS Genetics, 2014, 10, e1004891.	1.5	101
143	Virus-induced gene silencing is a versatile tool for unraveling the functional relevance of multiple abiotic-stress-responsive genes in crop plants. Frontiers in Plant Science, 2014, 5, 323.	1.7	114
144	Regulation of primary plant metabolism during plant-pathogen interactions and its contribution to plant defense. Frontiers in Plant Science, 2014, 5, 17.	1.7	554

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145	Abscisic Acid Promotion of Arbuscular Mycorrhizal Colonization Requires a Component of the PROTEIN PHOSPHATASE 2A Complex Â Â. Plant Physiology, 2014, 166, 2077-2090.	2.3	81
146	Statistical Inference of Selection and Divergence of the Rice Blast Resistance Gene<i>Pi-ta</i>. G3: Genes, Genomes, Genetics, 2014, 4, 2425-2432.	0.8	6
147	A <i>Medicago truncatula rdr6</i> allele impairs transgene silencing and endogenous phased si<scp>RNA</scp> production but not development. Plant Biotechnology Journal, 2014, 12, 1308-1318.	4.1	5
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