

Kirankumar S Mysore

List of Publications by Year in descending order

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252
papers

15,332
citations

13068

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all docs

271
docs citations

271
times ranked

13492
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of primary plant metabolism during plant-pathogen interactions and its contribution to plant defense. <i>Frontiers in Plant Science</i> , 2014, 5, 17.	1.7	554
2	Large-scale insertional mutagenesis using the <i>Tnt1</i> retrotransposon in the model legume <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2008, 54, 335-347.	2.8	442
3	Celebrating 20 Years of Genetic Discoveries in Legume Nodulation and Symbiotic Nitrogen Fixation. <i>Plant Cell</i> , 2020, 32, 15-41.	3.1	416
4	Nonhost resistance: how much do we know?. <i>Trends in Plant Science</i> , 2004, 9, 97-104.	4.3	372
5	The Root Hair "Infectome" of <i>Medicago truncatula</i> Uncovers Changes in Cell Cycle Genes and Reveals a Requirement for Auxin Signaling in Rhizobial Infection. <i>Plant Cell</i> , 2014, 26, 4680-4701.	3.1	313
6	Tobacco rattle virus-based virus-induced gene silencing in <i>Nicotiana benthamiana</i> . <i>Nature Protocols</i> , 2014, 9, 1549-1562.	5.5	283
7	New dimensions for VIGS in plant functional genomics. <i>Trends in Plant Science</i> , 2011, 16, 656-665.	4.3	279
8	A GRAS-Type Transcription Factor with a Specific Function in Mycorrhizal Signaling. <i>Current Biology</i> , 2012, 22, 2236-2241.	1.8	262
9	Plant growth-promoting rhizobacteria systemically protect <i>Arabidopsis thaliana</i> against Cucumber mosaic virus by a salicylic acid and NPR1-independent and jasmonic acid-dependent signaling pathway. <i>Plant Journal</i> , 2004, 39, 381-392.	2.8	242
10	The Phytotoxin Coronatine Contributes to Pathogen Fitness and Is Required for Suppression of Salicylic Acid Accumulation in Tomato Inoculated with <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 955-965.	1.4	222
11	Glycolate Oxidase Modulates Reactive Oxygen Species-Mediated Signal Transduction during Nonhost Resistance in <i>Nicotiana benthamiana</i> and <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 336-352.	3.1	215
12	Agrodrench: a novel and effective agroinoculation method for virus-induced gene silencing in roots and diverse Solanaceous species. <i>Plant Journal</i> , 2004, 40, 322-331.	2.8	214
13	<i>Vapyrin</i> , a gene essential for intracellular progression of arbuscular mycorrhizal symbiosis, is also essential for infection by rhizobia in the nodule symbiosis of <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2011, 65, 244-252.	2.8	211
14	Computational Estimation and Experimental Verification of Off-Target Silencing during Posttranscriptional Gene Silencing in Plants. <i>Plant Physiology</i> , 2006, 142, 429-440.	2.3	196
15	Identification of T-DNA tagged <i>Arabidopsis</i> mutants that are resistant to transformation by <i>Agrobacterium</i> . <i>Molecular Genetics and Genomics</i> , 1999, 261, 429-438.	2.4	177
16	NODULE INCEPTION Recruits the Lateral Root Developmental Program for Symbiotic Nodule Organogenesis in <i>Medicago truncatula</i> . <i>Current Biology</i> , 2019, 29, 3657-3668.e5.	1.8	177
17	Salicylic Acid and Systemic Acquired Resistance Play a Role in Attenuating Crown Gall Disease Caused by <i>Agrobacterium tumefaciens</i> . <i>Plant Physiology</i> , 2008, 146, 323-324.	2.3	163
18	An <i>Arabidopsis</i> histone H2A mutant is deficient in <i>Agrobacterium</i> T-DNA integration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 948-953.	3.3	162

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19	Identification of Arabidopsis rat Mutants. <i>Plant Physiology</i> , 2003, 132, 494-505.	2.3	159
20	Nonhost Resistance Against Bacterial Pathogens: Retrospectives and Prospects. <i>Annual Review of Phytopathology</i> , 2013, 51, 407-427.	3.5	149
21	<i>Medicago truncatula</i> IPD3 Is a Member of the Common Symbiotic Signaling Pathway Required for Rhizobial and Mycorrhizal Symbioses. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 1345-1358.	1.4	147
22	Monolignol ferulate conjugates are naturally incorporated into plant lignins. <i>Science Advances</i> , 2016, 2, e1600393.	4.7	147
23	Phytosterols Play a Key Role in Plant Innate Immunity against Bacterial Pathogens by Regulating Nutrient Efflux into the Apoplast. <i>Plant Physiology</i> , 2012, 158, 1789-1802.	2.3	146
24	Arabidopsis seedling flood-inoculation technique: a rapid and reliable assay for studying plant-bacterial interactions. <i>Plant Methods</i> , 2011, 7, 32.	1.9	145
25	Evolutionarily conserved repressive activity of WOX proteins mediates leaf blade outgrowth and floral organ development in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 366-371.	3.3	144
26	Control of Compound Leaf Development by <i>FLORICAULA/LEAFY</i> Ortholog <i>SINGLE LEAFLET1</i> in <i>Medicago truncatula</i> . <i>Plant Physiology</i> , 2008, 146, 1759-1772.	2.3	139
27	A WD40 Repeat Protein from <i>Medicago truncatula</i> Is Necessary for Tissue-Specific Anthocyanin and Proanthocyanidin Biosynthesis But Not for Trichome Development. <i>Plant Physiology</i> , 2009, 151, 1114-1129.	2.3	137
28	Regulation of anthocyanin and proanthocyanidin biosynthesis by <i>Medicago truncatula</i> bHLH transcription factor <i>MtTT8</i> . <i>New Phytologist</i> , 2016, 210, 905-921.	3.5	136
29	MtPAR MYB transcription factor acts as an on switch for proanthocyanidin biosynthesis in <i>Medicago truncatula</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1766-1771.	3.3	135
30	DELLA-mediated gibberellin signalling regulates Nod factor signalling and rhizobial infection. <i>Nature Communications</i> , 2016, 7, 12636.	5.8	135
31	<i>STENOFOLIA</i> Regulates Blade Outgrowth and Leaf Vascular Patterning in <i>Medicago truncatula</i> and <i>Nicotiana sylvestris</i> . <i>Plant Cell</i> , 2011, 23, 2125-2142.	3.1	133
32	The <i>Medicago</i> <i>FLOWERING LOCUS T</i> Homolog, <i>MtFTa1</i> , Is a Key Regulator of Flowering Time. <i>Plant Physiology</i> , 2011, 156, 2207-2224.	2.3	133
33	A H ⁺ -ATPase That Energizes Nutrient Uptake during Mycorrhizal Symbioses in Rice and <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2014, 26, 1818-1830.	3.1	131
34	Comprehensive transcript profiling of Pto- and Prf-mediated host defense responses to infection by <i>Pseudomonas syringae</i> pv. <i>tomato</i> . <i>Plant Journal</i> , 2002, 32, 299-315.	2.8	128
35	<i>Medicago truncatula</i> <i>DNF2</i> is a <i>PI-PLC-XD</i> -containing protein required for bacteroid persistence and prevention of nodule early senescence and defense-like reactions. <i>New Phytologist</i> , 2013, 197, 1250-1261.	3.5	128
36	A systematic study to determine the extent of gene silencing in <i>Nicotiana benthamiana</i> and other Solanaceae species when heterologous gene sequences are used for virus-induced gene silencing. <i>New Phytologist</i> , 2007, 176, 782-791.	3.5	118

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37	Host Versus Nonhost Resistance: Distinct Wars with Similar Arsenals. <i>Phytopathology</i> , 2015, 105, 580-587.	1.1	118
38	<i>NODULE ROOT</i> and <i>COCHLEATA</i> Maintain Nodule Development and Are Legume Orthologs of <i>Arabidopsis BLADE-ON-PETIOLE</i> Genes. <i>Plant Cell</i> , 2012, 24, 4498-4510.	3.1	116
39	Virus-induced gene silencing is a versatile tool for unraveling the functional relevance of multiple abiotic-stress-responsive genes in crop plants. <i>Frontiers in Plant Science</i> , 2014, 5, 323.	1.7	114
40	An efficient reverse genetics platform in the model legume <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2014, 201, 1065-1076.	3.5	113
41	Loss of Abaxial Leaf Epicuticular Wax in <i>Medicago truncatula irg1/palm1</i> Mutants Results in Reduced Spore Differentiation of Anthracnose and Nonhost Rust Pathogens. <i>Plant Cell</i> , 2012, 24, 353-370.	3.1	112
42	Insertional mutagenesis: a Swiss Army knife for functional genomics of <i>Medicago truncatula</i> . <i>Trends in Plant Science</i> , 2005, 10, 229-235.	4.3	111
43	NIN interacts with NLPs to mediate nitrate inhibition of nodulation in <i>Medicago truncatula</i> . <i>Nature Plants</i> , 2018, 4, 942-952.	4.7	111
44	<i>Arabidopsis VIRE2 INTERACTING PROTEIN2</i> Is Required for <i>Agrobacterium</i> T-DNA Integration in Plants. <i>Plant Cell</i> , 2007, 19, 1695-1708.	3.1	109
45	A <i>Medicago truncatula</i> Tobacco Retrotransposon Insertion Mutant Collection with Defects in Nodule Development and Symbiotic Nitrogen Fixation. <i>Plant Physiology</i> , 2012, 159, 1686-1699.	2.3	109
46	Virus-induced gene silencing can persist for more than 2 years and also be transmitted to progeny seedlings in <i>Nicotiana benthamiana</i> and tomato. <i>Plant Biotechnology Journal</i> , 2011, 9, 797-806.	4.1	108
47	Role of the <i>Agrobacterium tumefaciens</i> VirD2 Protein in T-DNA Transfer and Integration. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 668-683.	1.4	107
48	Role of proline and pyrroline-5-carboxylate metabolism in plant defense against invading pathogens. <i>Frontiers in Plant Science</i> , 2015, 6, 503.	1.7	102
49	Local and Systemic Regulation of Plant Root System Architecture and Symbiotic Nodulation by a Receptor-Like Kinase. <i>PLoS Genetics</i> , 2014, 10, e1004891.	1.5	101
50	Monitoring in planta bacterial infection at both cellular and whole plant levels using the green fluorescent protein variant GFPuv. <i>New Phytologist</i> , 2007, 174, 212-223.	3.5	98
51	A non- <i>RD</i> receptor-like kinase prevents nodule early senescence and defense-like reactions during symbiosis. <i>New Phytologist</i> , 2014, 203, 1305-1314.	3.5	97
52	Drought Stress Acclimation Imparts Tolerance to <i>Sclerotinia sclerotiorum</i> and <i>Pseudomonas syringae</i> in <i>Nicotiana benthamiana</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 9497-9513.	1.8	95
53	Ornithine- δ -aminotransferase and proline dehydrogenase genes play a role in non-host disease resistance by regulating pyrroline-5-carboxylate metabolism-induced hypersensitive response. <i>Plant, Cell and Environment</i> , 2012, 35, 1329-1343.	2.8	93
54	Rhizobial Infection Is Associated with the Development of Peripheral Vasculature in Nodules of <i>Medicago truncatula</i> . <i>Plant Physiology</i> , 2013, 162, 107-115.	2.3	92

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55	<i>NODULES WITH ACTIVATED DEFENSE 1</i> is required for maintenance of rhizobial endosymbiosis in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2016, 212, 176-191.	3.5	90
56	DiVenn: An Interactive and Integrated Web-Based Visualization Tool for Comparing Gene Lists. <i>Frontiers in Genetics</i> , 2019, 10, 421.	1.1	85
57	A symbiosis-dedicated SYNTAXIN OF PLANTS 13II isoform controls the formation of a stable host-microbe interface in symbiosis. <i>New Phytologist</i> , 2016, 211, 1338-1351.	3.5	83
58	Diverse functions of multidrug and toxin extrusion (MATE) transporters in citric acid efflux and metal homeostasis in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2017, 90, 79-95.	2.8	83
59	Expression of a Finger Millet Transcription Factor, EcNAC1, in Tobacco Confers Abiotic Stress-Tolerance. <i>PLoS ONE</i> , 2012, 7, e40397.	1.1	83
60	Developmental Analysis of <i>Medicago truncatula</i> smooth leaf margin1 Mutant Reveals Context-Dependent Effects on Compound Leaf Development. <i>Plant Cell</i> , 2011, 23, 2106-2124.	3.1	82
61	Reverse Genetics in <i>Medicago truncatula</i> Using Tnt1 Insertion Mutants. <i>Methods in Molecular Biology</i> , 2011, 678, 179-190.	0.4	81
62	Abscisic Acid Promotion of Arbuscular Mycorrhizal Colonization Requires a Component of the PROTEIN PHOSPHATASE 2A Complex. <i>Plant Physiology</i> , 2014, 166, 2077-2090.	2.3	81
63	Control of dissected leaf morphology by a Cys(2)His(2) zinc finger transcription factor in the model legume <i>Medicago truncatula</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10754-10759.	3.3	80
64	Isolation and functional analysis of CONSTANS-LIKE genes suggests that a central role for CONSTANS in flowering time control is not evolutionarily conserved in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2014, 5, 486.	1.7	80
65	Symbiotic root infections in <i>Medicago truncatula</i> require remorin-mediated receptor stabilization in membrane nanodomains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5289-5294.	3.3	80
66	Pathogenicity of <i>Pseudomonas syringae</i> pv. <i>tomato</i> on Tomato Seedlings: Phenotypic and Gene Expression Analyses of the Virulence Function of Coronatine. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 383-395.	1.4	79
67	<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. <i>New Phytologist</i> , 2017, 216, 1223-1235.	3.5	79
68	Identification and Characterization of Plant Genes Involved in Agrobacterium-Mediated Plant Transformation by Virus-Induced Gene Silencing. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 41-52.	1.4	77
69	GBF3 transcription factor imparts drought tolerance in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2017, 7, 9148.	1.6	77
70	Novel phosphate deficiency-responsive long non-coding RNAs in the legume model plant <i>Medicago truncatula</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 5937-5948.	2.4	77
71	Caveat of RNAi in Plants: The Off-Target Effect. <i>Methods in Molecular Biology</i> , 2011, 744, 13-25.	0.4	76
72	AtMBP1, an alternative translation product of <i>AtLOS2</i> , affects abscisic acid responses and is modulated by the <i>AtE3</i> ubiquitin ligase <i>AtSAP5</i> . <i>Plant Journal</i> , 2013, 76, 481-493.	2.8	76

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73	Plant Ribosomal Proteins, RPL12 and RPL19, Play a Role in Nonhost Disease Resistance against Bacterial Pathogens. <i>Frontiers in Plant Science</i> , 2015, 6, 1192.	1.7	71
74	<i>NO APICAL MERISTEM</i> (<i>MtNAM</i>) regulates floral organ identity and lateral organ separation in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2012, 195, 71-84.	3.5	68
75	The <i>N</i> -Acylethanolamine-Mediated Regulatory Pathway in Plants. <i>Chemistry and Biodiversity</i> , 2007, 4, 1933-1955.	1.0	67
76	The MicroRNA390/TAS3 Pathway Mediates Symbiotic Nodulation and Lateral Root Growth. <i>Plant Physiology</i> , 2017, 174, 2469-2486.	2.3	67
77	Expression of the <i>Arabidopsis</i> histone H2A-1 gene correlates with susceptibility to <i>Agrobacterium</i> transformation. <i>Plant Journal</i> , 2002, 32, 285-298.	2.8	65
78	Mutagenesis and Beyond! Tools for Understanding Legume Biology. <i>Plant Physiology</i> , 2009, 151, 978-984.	2.3	65
79	Global Gene Expression Profiling During <i>Medicago truncatula</i> - <i>Phytophthora omnivora</i> Interaction Reveals a Role for Jasmonic Acid, Ethylene, and the Flavonoid Pathway in Disease Development. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 7-17.	1.4	65
80	The <i>Trans</i> -Acting Short Interfering RNA3 Pathway and <i>NO APICAL MERISTEM</i> Antagonistically Regulate Leaf Margin Development and Lateral Organ Separation, as Revealed by Analysis of an <i>argonaute7</i> / <i>lobed leaflet1</i> Mutant in <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2014, 25, 4845-4862.	3.1	64
81	<i>NIN</i> -like protein transcription factors regulate leghemoglobin genes in legume nodules. <i>Science</i> , 2021, 374, 625-628.	6.0	61
82	The <i>Medicago truncatula</i> LysM receptor-like kinase LYK9 plays a dual role in immunity and the arbuscular mycorrhizal symbiosis. <i>New Phytologist</i> , 2019, 223, 1516-1529.	3.5	59
83	Overexpression of a fatty acid amide hydrolase compromises innate immunity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2008, 56, 336-349.	2.8	58
84	Overexpression of the Disease Resistance Gene <i>Pto</i> in Tomato Induces Gene Expression Changes Similar to Immune Responses in Human and Fruitfly. <i>Plant Physiology</i> , 2003, 132, 1901-1912.	2.3	57
85	Agroinoculation and Agroinfiltration: Simple Tools for Complex Gene Function Analyses. <i>Methods in Molecular Biology</i> , 2011, 678, 65-76.	0.4	57
86	GENERAL CONTROL NONREPRESSIBLE4 Degrades 14-3-3 and the RIN4 Complex to Regulate Stomatal Aperture with Implications on Nonhost Disease Resistance and Drought Tolerance. <i>Plant Cell</i> , 2017, 29, 2233-2248.	3.1	56
87	Jasmonate ZIM-Domain (JAZ) Protein Regulates Host and Nonhost Pathogen-Induced Cell Death in Tomato and <i>Nicotiana benthamiana</i> . <i>PLoS ONE</i> , 2013, 8, e75728.	1.1	56
88	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> . <i>Journal of Experimental Botany</i> , 2014, 65, 429-442.	2.4	55
89	Coronatine inhibits stomatal closure and delays hypersensitive response cell death induced by nonhost bacterial pathogens. <i>PeerJ</i> , 2013, 1, e34.	0.9	55
90	<i>MtMOT1.2</i> is responsible for molybdate supply to <i>Medicago truncatula</i> nodules. <i>Plant, Cell and Environment</i> , 2019, 42, 310-320.	2.8	54

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91	<i>pssRNAit</i> : A Web Server for Designing Effective and Specific Plant siRNAs with Genome-Wide Off-Target Assessment. <i>Plant Physiology</i> , 2020, 184, 65-81.	2.3	54
92	Functional characterization of <i>Nicotiana benthamiana</i> homologs of peanut water deficit-induced genes by virus-induced gene silencing. <i>Planta</i> , 2007, 225, 523-539.	1.6	52
93	Genes involved in nonhost disease resistance as a key to engineer durable resistance in crops. <i>Plant Science</i> , 2019, 279, 108-116.	1.7	52
94	<i>Arabidopsis</i> ecotypes and mutants that are recalcitrant to <i>Agrobacterium</i> root transformation are susceptible to germ-line transformation. <i>Plant Journal</i> , 2000, 21, 9-16.	2.8	51
95	<i>Arabidopsis</i> Heterotrimeric G-Proteins Play a Critical Role in Host and Nonhost Resistance against <i>Pseudomonas syringae</i> Pathogens. <i>PLoS ONE</i> , 2013, 8, e82445.	1.1	50
96	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. <i>Plant Cell</i> , 2015, 27, 806-822.	3.1	50
97	The SAL-PAP Chloroplast Retrograde Pathway Contributes to Plant Immunity by Regulating Glucosinolate Pathway and Phytohormone Signaling. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 829-841.	1.4	50
98	<i>Agrobacterium</i> -Mediated Transformation of Tomato with rolB Gene Results in Enhancement of Fruit Quality and Foliar Resistance against Fungal Pathogens. <i>PLoS ONE</i> , 2014, 9, e96979.	1.1	49
99	Different cytokinin histidine kinase receptors regulate nodule initiation as well as later nodule developmental stages in <i>Medicago truncatula</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 2198-2209.	2.8	49
100	The Symbiosis-Related ERN Transcription Factors Act in Concert to Coordinate Rhizobial Host Root Infection. <i>Plant Physiology</i> , 2016, 171, pp.00230.2016.	2.3	48
101	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> . <i>RNA Biology</i> , 2014, 11, 1414-1429.	1.5	46
102	Aldehyde reductase enzymes detoxify glyphosate and improve herbicide resistance in plants. <i>Plant Biotechnology Journal</i> , 2017, 15, 794-804.	4.1	46
103	MiR393 and miR390 synergistically regulate lateral root growth in rice under different conditions. <i>BMC Plant Biology</i> , 2018, 18, 261.	1.6	46
104	NTRC and Chloroplast-Generated Reactive Oxygen Species Regulate <i>Pseudomonas syringae</i> pv. <i>tomato</i> Disease Development in Tomato and <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 294-306.	1.4	45
105	<i>Arabidopsis</i> stress associated protein 9 mediates biotic and abiotic stress responsive ABA signaling via the proteasome pathway. <i>Plant, Cell and Environment</i> , 2017, 40, 702-716.	2.8	45
106	Virus-induced gene silencing and its application in characterizing genes involved in water-deficit-stress tolerance. <i>Journal of Plant Physiology</i> , 2008, 165, 1404-1421.	1.6	44
107	SGT1 positively regulates the process of plant cell death during both compatible and incompatible plant-pathogen interactions. <i>Molecular Plant Pathology</i> , 2010, 11, 597-611.	2.0	44
108	Functional specialization of duplicated AP3-like genes in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2013, 73, 663-675.	2.8	43

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109	<i>Agrobacterium</i> DNA integration into the plant genome can occur without the activity of key non-homologous end-joining proteins. <i>Plant Journal</i> , 2015, 81, 934-946.	2.8	43
110	Transcriptomic and metabolomic analyses identify a role for chlorophyll catabolism and phytoalexin during <i>Medicago</i> nonhost resistance against Asian soybean rust. <i>Scientific Reports</i> , 2015, 5, 13061.	1.6	41
111	Characterization of the Rust Fungus, <i>Puccinia emaculata</i> , and Evaluation of Genetic Variability for Rust Resistance in Switchgrass Populations. <i>Bioenergy Research</i> , 2013, 6, 458-468.	2.2	40
112	<i>AtCYP710A1</i> gene-mediated stigmaterol production plays a role in imparting temperature stress tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e23142.	1.2	40
113	Retroelement insertions at the <i>Medicago</i> <i>FTa1</i> locus in <i>spring</i> mutants eliminate vernalisation but not long-day requirements for early flowering. <i>Plant Journal</i> , 2013, 76, 580-591.	2.8	40
114	Strigolactones contribute to shoot elongation and to the formation of leaf margin serrations in <i>Medicago truncatula</i> R108. <i>Journal of Experimental Botany</i> , 2015, 66, 1237-1244.	2.4	40
115	Role of the Nod Factor Hydrolase MtNFH1 in Regulating Nod Factor Levels during Rhizobial Infection and in Mature Nodules of <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2018, 30, 397-414.	3.1	40
116	<i>MtNODULE ROOT1</i> and <i>MtNODULE ROOT2</i> Are Essential for Indeterminate Nodule Identity. <i>Plant Physiology</i> , 2018, 178, 295-316.	2.3	40
117	A molecular framework underlying the compound leaf pattern of <i>Medicago truncatula</i> . <i>Nature Plants</i> , 2020, 6, 511-521.	4.7	40
118	Functional characterization of three water deficit stress-induced genes in tobacco and <i>Arabidopsis</i> : An approach based on gene down regulation. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 35-44.	2.8	39
119	Glycolate oxidase is an alternative source for H ₂ O ₂ production during plant defense responses and functions independently from NADPH oxidase. <i>Plant Signaling and Behavior</i> , 2012, 7, 752-755.	1.2	38
120	Evolution by gene duplication of <i>Medicago truncatula</i> PISTILLATA-like transcription factors. <i>Journal of Experimental Botany</i> , 2016, 67, 1805-1817.	2.4	38
121	<i>Sinorhizobium meliloti</i> succinylated high-molecular-weight succinoglycan and the <i>Medicago truncatula</i> LysM receptor-like kinase MtLYK10 participate independently in symbiotic infection. <i>Plant Journal</i> , 2020, 102, 311-326.	2.8	37
122	Two euAGAMOUS Genes Control C-Function in <i>Medicago truncatula</i> . <i>PLoS ONE</i> , 2014, 9, e103770.	1.1	36
123	The CLE53-SUNN genetic pathway negatively regulates arbuscular mycorrhiza root colonization in <i>Medicago truncatula</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 4972-4984.	2.4	36
124	<i>Agrobacterium tumefaciens</i> Transformation of the Radiation Hypersensitive <i>Arabidopsis thaliana</i> Mutants <i>uvh1</i> and <i>rad5</i> . <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 1136-1141.	1.4	34
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139	A high-throughput virus-induced gene silencing protocol identifies genes involved in multi-stress tolerance. <i>BMC Plant Biology</i> , 2013, 13, 193.	1.6	31
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141	<i>MtVRN2</i> is a Polycomb <i>VRN2</i> -like gene which represses the transition to flowering in the model legume <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2016, 86, 145-160.	2.8	31
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