

Jiangqi Wen

List of Publications by Year in descending order

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98
papers

6,695
citations

66234

42
h-index

66788

78
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111
all docs

111
docs citations

111
times ranked

6450
citing authors

#	ARTICLE	IF	CITATIONS
1	Medicago truncatula resources to study legume biology and symbiotic nitrogen fixation. <i>Fundamental Research</i> , 2023, 3, 219-224.	1.6	3
2	Spatiotemporal cytokinin response imaging and ISOPENTENYLTRANSFERASE 3 function in Medicago nodule development. <i>Plant Physiology</i> , 2022, 188, 560-575.	2.3	10
3	From model to alfalfa: Gene editing to obtain semidwarf and prostrate growth habits. <i>Crop Journal</i> , 2022, 10, 932-941.	2.3	4
4	Enabling <i>Medicago truncatula</i> forward genetics: identification of genetic crossing partner for <i>scp>R108</i> and development of mapping resources for <i>Tnt1</i> mutants. <i>Plant Journal</i> , 2022, 111, 608-616.	2.8	2
5	The antagonistic MYB paralogs <i>RH1</i> and <i>RH2</i> govern anthocyanin leaf markings in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2021, 229, 3330-3344.	3.5	18
6	MtSUPERMAN plays a key role in compound inflorescence and flower development in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2021, 105, 816-830.	2.8	17
7	MtFULc controls inflorescence development by directly repressing MtTFL1 in <i>Medicago truncatula</i> . <i>Journal of Plant Physiology</i> , 2021, 256, 153329.	1.6	5
8	Distinguishing HapMap Accessions Through Recursive Set Partitioning in Hierarchical Decision Trees. <i>Frontiers in Plant Science</i> , 2021, 12, 628421.	1.7	0
9	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
10	Delineating the Tnt1 Insertion Landscape of the Model Legume <i>Medicago truncatula</i> cv. R108 at the Hi-C Resolution Using a Chromosome-Length Genome Assembly. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4326.	1.8	13
11	<i>scp>Medicago truncatula</i> Yellow <i>scp>Stripe7</i> encodes a peptide transporter participating in symbiotic nitrogen fixation. <i>Plant, Cell and Environment</i> , 2021, 44, 1908-1920.	2.8	7
12	Auxin Response Factor 2 (ARF2), ARF3, and ARF4 Mediate Both Lateral Root and Nitrogen Fixing Nodule Development in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 659061.	1.7	18
13	MtFDa is essential for flowering control and inflorescence development in <i>Medicago truncatula</i> . <i>Journal of Plant Physiology</i> , 2021, 260, 153412.	1.6	1
14	LATE MERISTEM IDENTITY1 regulates leaf margin development via the auxin transporter gene <i>SMOOTH LEAF MARGIN1</i> . <i>Plant Physiology</i> , 2021, 187, 218-235.	2.3	13
15	The GA 20-Oxidase Encoding Gene MSD1 Controls the Main Stem Elongation in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 709625.	1.7	6
16	Brassinosteroid homeostasis is critical for the functionality of the <i>Medicago truncatula</i> pulvinus. <i>Plant Physiology</i> , 2021, 185, 1745-1763.	2.3	8
17	Genetic regulation of flowering time and inflorescence architecture by <i>MtFDa</i> and <i>MtFTa1</i> in <i>Medicago truncatula</i> . <i>Plant Physiology</i> , 2021, 185, 161-178.	2.3	14
18	NIN-like protein transcription factors regulate leghemoglobin genes in legume nodules. <i>Science</i> , 2021, 374, 625-628.	6.0	61

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19	The <i>Medicago truncatula</i> PIN2 auxin transporter mediates basipetal auxin transport but is not necessary for nodulation. <i>Journal of Experimental Botany</i> , 2020, 71, 1562-1573.	2.4	12
20	<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
21	<i>Medicago</i> PHYA promotes flowering, primary stem elongation and expression of flowering time genes in long days. <i>BMC Plant Biology</i> , 2020, 20, 329.	1.6	15
22	The <i>Medicago truncatula</i> Yellow Stripe1-Like3 gene is involved in vascular delivery of transition metals to root nodules. <i>Journal of Experimental Botany</i> , 2020, 71, 7257-7269.	2.4	10
23	A CEP Peptide Receptor-Like Kinase Regulates Auxin Biosynthesis and Ethylene Signaling to Coordinate Root Growth and Symbiotic Nodulation in <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2020, 32, 2855-2877.	3.1	41
24	<i>Medicago truncatula</i> Ferroportin2 mediates iron import into nodule symbiosomes. <i>New Phytologist</i> , 2020, 228, 194-209.	3.5	23
25	Role of cytosolic, tyrosine-insensitive prephenate dehydrogenase in <i>Medicago truncatula</i> . <i>Plant Direct</i> , 2020, 4, e00218.	0.8	7
26	Improving the genome editing efficiency of CRISPR/Cas9 in <i>Arabidopsis</i> and <i>Medicago truncatula</i> . <i>Planta</i> , 2020, 252, 15.	1.6	40
27	A CEP Peptide Receptor-Like Kinase Regulates Auxin Biosynthesis and Ethylene Signaling to Coordinate Root Growth and Symbiotic Nodulation in <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2020, 32, 2855-2877.	3.1	8
28	SMALL LEAF AND BUSHY1 controls organ size and lateral branching by modulating the stability of BIG SEEDS1 in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2020, 226, 1399-1412.	3.5	24
29	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
30	MtMOT1.2 is responsible for molybdate supply to <i>Medicago truncatula</i> nodules. <i>Plant, Cell and Environment</i> , 2019, 42, 310-320.	2.8	54
31	The MYB Activator WHITE PETAL1 Associates with MtTT8 and MtWD40-1 to Regulate Carotenoid-Derived Flower Pigmentation in <i>Medicago truncatula</i> . <i>Plant Cell</i> , 2019, 31, 2751-2767.	3.1	102
32	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
33	Overexpression of <i>Medicago</i> MtCDFd1_1 Causes Delayed Flowering in <i>Medicago</i> via Repression of MtFTa1 but Not MtCO-Like Genes. <i>Frontiers in Plant Science</i> , 2019, 10, 1148.	1.7	15
34	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
35	AGAMOUS AND TERMINAL FLOWER controls floral organ identity and inflorescence development in <i>Medicago truncatula</i> . <i>Journal of Integrative Plant Biology</i> , 2019, 61, 917-923.	4.1	9
36	<i>Medicago falcata</i> MfSTMR, 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

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37	Genome-wide analysis of flanking sequences reveals that <i>Tnt1</i> insertion is positively correlated with gene methylation in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2019, 98, 1106-1119.	2.8	25
38	Transcription Factor bHLH2 Represses <i>CYSTEINE PROTEASE77</i> to Negatively Regulate Nodule Senescence. <i>Plant Physiology</i> , 2019, 181, 1683-1703.	2.3	21
39	A Novel Positive Regulator of the Early Stages of Root Nodule Symbiosis Identified by Phosphoproteomics. <i>Plant and Cell Physiology</i> , 2019, 60, 575-586.	1.5	10
40	HEADLESS, a WUSCHEL homolog, uncovers novel aspects of shoot meristem regulation and leaf blade development in <i>Medicago truncatula</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 149-163.	2.4	31
41	Nicotianamine Synthase 2 Is Required for Symbiotic Nitrogen Fixation in <i>Medicago truncatula</i> Nodules. <i>Frontiers in Plant Science</i> , 2019, 10, 1780.	1.7	13
42	Dissection of genetic regulation of compound inflorescence development in <i>Medicago truncatula</i> . <i>Development (Cambridge)</i> , 2018, 145, .	1.2	41
43	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
44	Transcriptomic and proteomic analyses of drought responsive genes and proteins in <i>Agropyron mongolicum</i> Keng. <i>Current Plant Biology</i> , 2018, 14, 19-29.	2.3	12
45	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
46	IPD3 and IPD3L Function Redundantly in Rhizobial and Mycorrhizal Symbioses. <i>Frontiers in Plant Science</i> , 2018, 9, 267.	1.7	34
47	MtCAS31 Aids Symbiotic Nitrogen Fixation by Protecting the Leghemoglobin MtLb120-1 Under Drought Stress in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 633.	1.7	21
48	A SOC1-like gene MtSOC1a promotes flowering and primary stem elongation in <i>Medicago</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 4867-4880.	2.4	32
49	<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
50	MtLAX2, a Functional Homologue of the Arabidopsis Auxin Influx Transporter AUX1, Is Required for Nodule Organogenesis. <i>Plant Physiology</i> , 2017, 174, 326-338.	2.3	56
51	Functional characterisation of brassinosteroid receptor MtBRI1 in <i>Medicago truncatula</i> . <i>Scientific Reports</i> , 2017, 7, 9327.	1.6	34
52	<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
53	A Lipid-Anchored NAC Transcription Factor Is Translocated into the Nucleus and Activates <i>Glyoxalase I</i> Expression during Drought Stress. <i>Plant Cell</i> , 2017, 29, 1748-1772.	3.1	116
54	The MicroRNA390/TAS3 Pathway Mediates Symbiotic Nodulation and Lateral Root Growth. <i>Plant Physiology</i> , 2017, 174, 2469-2486.	2.3	67

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55	Targeted mutagenesis by CRISPR/Cas9 system in the model legume <i>Medicago truncatula</i> . <i>Plant Cell Reports</i> , 2017, 36, 371-374.	2.8	101
56	<i>Medicago truncatula</i> : Genetic and Genomic Resources. <i>Current Protocols in Plant Biology</i> , 2017, 2, 318-349.	2.8	12
57	Regulation of anthocyanin and proanthocyanidin biosynthesis by <i>Medicago truncatula</i> bHLH transcription factor <i>MTTT</i> . <i>New Phytologist</i> , 2016, 210, 905-921.	3.5	136
58	<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
59	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
60	<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
61	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
62	Opposing control by transcription factors MYB61 and MYB3 Increases Freezing Tolerance by relieving C-repeat Binding Factor suppression. <i>Plant Physiology</i> , 2016, 172, pp.00051.2016.	2.3	32
63	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
64	A <i>Medicago truncatula</i> Cystathionine-Î ² -Synthase-like Domain-Containing Protein Is Required for Rhizobial Infection and Symbiotic Nitrogen Fixation. <i>Plant Physiology</i> , 2016, 170, 2204-2217.	2.3	55
65	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
66	<i>LOOSE FLOWER</i> , a <i>WUSCHEL</i> -like Homeobox gene, is required for lateral fusion of floral organs in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2015, 81, 480-492.	2.8	34
67	Control of Vegetative to Reproductive Phase Transition Improves Biomass Yield and Simultaneously Reduces Lignin Content in <i>Medicago truncatula</i> . <i>Bioenergy Research</i> , 2015, 8, 857-867.	2.2	23
68	DASH transcription factor impacts <i>Medicago truncatula</i> seed size by its action on embryo morphogenesis and auxin homeostasis. <i>Plant Journal</i> , 2015, 81, 453-466.	2.8	31
69	The Root Hair Infection 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
70	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
71	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
72	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

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73	Abscisic Acid Promotion of Arbuscular Mycorrhizal Colonization Requires a Component of the PROTEIN PHOSPHATASE 2A Complex \hat{A} . <i>Plant Physiology</i> , 2014, 166, 2077-2090.	2.3	81
74	A <i>Medicago truncatula</i> <i>rdr6</i> allele impairs transgene silencing and endogenous phased siRNA production but not development. <i>Plant Biotechnology Journal</i> , 2014, 12, 1308-1318.	4.1	5
75	The Trans-Acting Short Interfering RNA3 Pathway and NO APICAL MERISTEM Antagonistically Regulate Leaf Margin Development and Lateral Organ Separation, as Revealed by Analysis of an <i>argonaute7</i> lobed leaflet1 Mutant in <i>Medicago truncatula</i> \hat{A} . <i>Plant Cell</i> , 2014, 25, 4845-4862.	3.1	64
76	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
77	An efficient reverse genetics platform in the model legume <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2014, 201, 1065-1076.	3.5	113
78	Rhizobial Infection Is Associated with the Development of Peripheral Vasculature in Nodules of <i>Medicago truncatula</i> \hat{A} . <i>Plant Physiology</i> , 2013, 162, 107-115.	2.3	92
79	Functional specialization of duplicated AP3-like genes in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2013, 73, 663-675.	2.8	43
80	<i>NODULE ROOT</i> and <i>COCHLEATA</i> Maintain Nodule Development and Are Legume Orthologs of <i>Arabidopsis</i> <i>BLADE-ON-PETIOLE</i> Genes. <i>Plant Cell</i> , 2012, 24, 4498-4510.	3.1	116
81	A <i>Medicago truncatula</i> Tobacco Retrotransposon Insertion Mutant Collection with Defects in Nodule Development and Symbiotic Nitrogen Fixation \hat{A} . <i>Plant Physiology</i> , 2012, 159, 1686-1699.	2.3	109
82	<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
83	Overexpression of a serine carboxypeptidase increases carpel number and seed production in <i>Arabidopsis thaliana</i> . <i>Food and Energy Security</i> , 2012, 1, 61-69.	2.0	17
84	Reverse Genetics in <i>Medicago truncatula</i> Using Tnt1 Insertion Mutants. <i>Methods in Molecular Biology</i> , 2011, 678, 179-190.	0.4	81
85	<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
86	<i>STENOFOLIA</i> Regulates Blade Outgrowth and Leaf Vascular Patterning in <i>Medicago truncatula</i> and <i>Nicotiana sylvestris</i> \hat{A} . <i>Plant Cell</i> , 2011, 23, 2125-2142.	3.1	133
87	The <i>Medicago</i> <i>FLOWERING LOCUS T</i> Homolog, <i>MtFTa1</i> , Is a Key Regulator of Flowering Time \hat{A} . <i>Plant Physiology</i> , 2011, 156, 2207-2224.	2.3	133
88	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
89	Interactions between a NAC-Domain Transcription Factor and the Putative Small Protein Encoding DVL/ROT Gene Family. <i>Plant Molecular Biology Reporter</i> , 2010, 28, 162-168.	1.0	10
90	Mutagenesis and Beyond! Tools for Understanding Legume Biology. <i>Plant Physiology</i> , 2009, 151, 978-984.	2.3	65

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91	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
92	A microRNA transcription factor module regulates lateral organ size and patterning in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 58, 450-463.	2.8	88
93	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
94	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
95	A Class I ADP-Ribosylation Factor GTPase-Activating Protein Is Critical for Maintaining Directional Root Hair Growth in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2008, 147, 1659-1674.	2.3	52
96	DVL Peptides Are Involved in Plant Development. , 2006, , 17-22.		6
97	DVL, a novel class of small polypeptides: overexpression alters <i>Arabidopsis</i> development. <i>Plant Journal</i> , 2004, 37, 668-677.	2.8	111
98	BAK1, an <i>Arabidopsis</i> LRR Receptor-like Protein Kinase, Interacts with BRI1 and Modulates Brassinosteroid Signaling. <i>Cell</i> , 2002, 110, 213-222.	13.5	1,231