Chuanen Zhou

List of Publications by Year
in descending order

36 papers	1,171 citations	516710 16 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	1419 citing authors

#	Article	IF	Citations
1	Overexpression of miR156 in switchgrass (<i>Panicum virgatum</i> L.) results in various morphological alterations and leads to improved biomass production. Plant Biotechnology Journal, 2012, 10, 443-452.	8.3	293
2	From Model to Crop: Functional Analysis of a <i>STAY-GREEN</i> Gene in the Model Legume <i>Medicago truncatula</i> and Effective Use of the Gene for Alfalfa Improvement Â Â. Plant Physiology, 2011, 157, 1483-1496.	4.8	124
3	Rhizobial Infection Is Associated with the Development of Peripheral Vasculature in Nodules of<i>Medicago truncatula</i>Â Â Â. Plant Physiology, 2013, 162, 107-115.	4.8	92
4	Developmental Analysis of a<i>Medicago truncatula smooth leaf margin1</i>Mutant Reveals Context-Dependent Effects on Compound Leaf Development Â. Plant Cell, 2011, 23, 2106-2124.	6.6	82
5	The<i>Trans</i>-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>/<i>lobed leaflet1</i>Mutant in<i>Medicago</i>Â<i>truncatula</i>Â Â. Plant Cell, 2014, 25, 4845-4862.	6.6	64
6	A class II KNOX gene, <i>KNOX4</i> , controls seed physical dormancy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6997-7002.	7.1	55
7	STM/BP-Like KNOXI Is Uncoupled from ARP in the Regulation of Compound Leaf Development in<i>Medicago truncatula</i>Â Â Â. Plant Cell, 2014, 26, 1464-1479.	6.6	41
8	Identification and characterization of <i>petioluleâ€Âlike pulvinus</i> mutants with abolished nyctinastic leaf movement in the model legume <i>Medicago truncatula</i>. New Phytologist, 2012, 196, 92-100.	7.3	38
9	From genes to networks: The genetic control of leaf development. Journal of Integrative Plant Biology, 2021, 63, 1181-1196.	8.5	36
10	Genome-Wide Identification of TCP Family Transcription Factors in Medicago truncatula Reveals Significant Roles of miR319-Targeted TCPs in Nodule Development. Frontiers in Plant Science, 2018, 9, 774.	3.6	29
11	Alfalfa (Medicago sativa L.). Methods in Molecular Biology, 2015, 1223, 213-221.	0.9	27
12	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.	8.5	26
13	Efficient Generation of CRISPR/Cas9-Mediated Homozygous/Biallelic Medicago truncatula Mutants Using a Hairy Root System. Frontiers in Plant Science, 2020, 11, 294.	3.6	25
14	Genome-wide characterization of SPL family in Medicago truncatula reveals the novel roles of miR156/SPL module in spiky pod development. BMC Genomics, 2019, 20, 552.	2.8	21
15	Transforming compound leaf patterning by manipulating REVOLUTA in Medicago truncatula. Plant Journal, 2019, 100, 562-571.	5.7	20
16	<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.	7.1	20
17	HEADLESS Regulates Auxin Response and Compound Leaf Morphogenesis in Medicago truncatula. Frontiers in Plant Science, 2019, 10, 1024.	3.6	19
18	Ginsenoside Rb1 in asymmetric somatic hybrid calli of Daucus carota with Panax quinquefolius. Plant Cell Reports, 2009, 28, 627-638.	5.6	17

#	Article	IF	Citations
19	Genetic characterization of asymmetric somatic hybrids between Bupleurum scorzonerifolium Willd and Triticum aestivum L.: potential application to the study of the wheat genome. Planta, 2006, 223, 714-724.	3.2	15
20	Analysis of remote asymmetric somatic hybrids between common wheat and Arabidopsis thaliana. Plant Cell Reports, 2007, 26, 1233-1241.	5.6	14
21	Functional characterization of PETIOLULEâ€LIKE PULVINUS (PLP) gene in abscission zone development in Medicago truncatula and its application to genetic improvement of alfalfa. Plant Biotechnology Journal, 2021, 19, 351-364.	8.3	13
22	LATE MERISTEM IDENTITY1 regulates leaf margin development via the auxin transporter gene <i>SMOOTH LEAF MARGIN1</i>. Plant Physiology, 2021, 187, 218-235.	4.8	13
23	Integrated regulation of periclinal cell division by transcriptional module of BZR1â€SHR in <i>Arabidopsis</i> roots. New Phytologist, 2022, 233, 795-808.	7.3	13
24	Regeneration of asymmetric somatic hybrid plants from the fusion of two types of wheat with Russian wildrye. Plant Cell Reports, 2004, 23, 461-467.	5.6	10
25	Systematic Analysis of Gibberellin Pathway Components in Medicago truncatula Reveals the Potential Application of Gibberellin in Biomass Improvement. International Journal of Molecular Sciences, 2020, 21, 7180.	4.1	10
26	Potential but limited redundant roles of MtPIN4, MtPIN5 and MtPIN10/SLM1 in the development of<i>Medicago truncatula</i>. Plant Signaling and Behavior, 2011, 6, 1834-1836.	2.4	8
27	Interaction between the MtDELLAâ€“MtGAF1 Complex and MtARF3 Mediates Transcriptional Control of MtGA3ox1 to Elaborate Leaf Margin Formation in <i>Medicago truncatula</i>. Plant and Cell Physiology, 2021, 62, 321-333.	3.1	8
28	Brassinosteroid homeostasis is critical for the functionality of the <i>Medicago truncatula</i> pulvinus. Plant Physiology, 2021, 185, 1745-1763.	4.8	8
29	MtBZR1 Plays an Important Role in Nodule Development in Medicago truncatula. International Journal of Molecular Sciences, 2019, 20, 2941.	4.1	7
30	Construction of Whole Genome Radiation Hybrid Panels and Map of Chromosome 5A of Wheat Using Asymmetric Somatic Hybridization. PLoS ONE, 2012, 7, e40214.	2.5	5
31	The Conserved and Specific Roles of the LUX ARRHYTHMO in Circadian Clock and Nodulation. International Journal of Molecular Sciences, 2022, 23, 3473.	4.1	5
32	<i>AGAMOUS-LIKE FLOWER</i>regulates flower and compound leaf development through different regulatory mechanisms in<i>Medicago truncatula</i>. Plant Signaling and Behavior, 2019, 14, 1612683.	2.4	4
33	Developmental Analysis of the GATA Factor HANABA TARANU Mutants in Medicago truncatula Reveals Their Roles in Nodule Formation. Frontiers in Plant Science, 2021, 12, 616776.	3.6	4
34	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.	4.1	3
35	Phospho-Mutant Activity Assays Provide Evidence for the Negative Regulation of Transcriptional Regulator PRE1 by Phosphorylation. International Journal of Molecular Sciences, 2020, 21, 9183.	4.1	1
36	Developmental Analysis of Compound Leaf Development in Arachis hypogaea. Frontiers in Plant Science, 2022, 13, 749809.	3.6	1