

Hongyan Zhu

List of Publications by Year in descending order

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papers

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279798

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#	ARTICLE	IF	CITATIONS
1	Transcriptomic and targeted metabolomic analysis identifies genes and metabolites involved in anthocyanin accumulation in tuberous roots of sweetpotato (<i>Ipomoea batatas</i> L.). <i>Plant Physiology and Biochemistry</i> , 2020, 156, 323-332.	5.8	13
2	The Impacts of Domestication and Breeding on Nitrogen Fixation Symbiosis in Legumes. <i>Frontiers in Genetics</i> , 2020, 11, 00973.	2.3	30
3	Nodule-Specific Cysteine-Rich Peptides Negatively Regulate Nitrogen-Fixing Symbiosis in a Strain-Specific Manner in <i>Medicago truncatula</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 240-248.	2.6	51
4	Genetic and Molecular Mechanisms Underlying Symbiotic Specificity in Legume-Rhizobium Interactions. <i>Frontiers in Plant Science</i> , 2018, 9, 313.	3.6	191
5	Microsymbiont discrimination mediated by a host-secreted peptide in <i>Medicago truncatula</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6848-6853.	7.1	110
6	Host-secreted antimicrobial peptide enforces symbiotic selectivity in <i>Medicago truncatula</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6854-6859.	7.1	119
7	The Soybean <i>Rfg1</i> Gene Restricts Nodulation by <i>Sinorhizobium fredii</i> USDA193. <i>Frontiers in Plant Science</i> , 2017, 8, 1548.	3.6	52
8	Genetic Manipulation of <i>miR156</i> for Improvement of Biomass Production and Forage Quality in Red Clover. <i>Crop Science</i> , 2016, 56, 1199-1205.	1.8	15
9	<i>Rj4</i> , a Gene Controlling Nodulation Specificity in Soybeans, Encodes a Thaumatin-Like Protein But Not the One Previously Reported. <i>Plant Physiology</i> , 2016, 170, 26-32.	4.8	125
10	Alternative Splicing in Plant Immunity. <i>International Journal of Molecular Sciences</i> , 2014, 15, 10424-10445.	4.1	106
11	Identification of a dominant gene in <i>Medicago truncatula</i> that restricts nodulation by <i>Sinorhizobium meliloti</i> strain Rm41. <i>BMC Plant Biology</i> , 2014, 14, 167.	3.6	30
12	Fine mapping of the <i>Rj4</i> locus, a gene controlling nodulation specificity in soybean. <i>Molecular Breeding</i> , 2014, 33, 691-700.	2.1	9
13	Fine mapping of a major quantitative trait locus that regulates pod shattering in soybean. <i>Molecular Breeding</i> , 2013, 32, 485-491.	2.1	21
14	Alternative splicing is required for RCT1-mediated disease resistance in <i>Medicago truncatula</i> . <i>Plant Molecular Biology</i> , 2013, 82, 367-374.	3.9	24
15	Are common symbiosis genes required for endophytic rice-rhizobial interactions?. <i>Plant Signaling and Behavior</i> , 2013, 8, e25453.	2.4	19
16	Symbiosis specificity in the legume - rhizobial mutualism. <i>Cellular Microbiology</i> , 2012, 14, 334-342.	2.1	257
17	Integration of novel SSR and gene-based SNP marker loci in the chickpea genetic map and establishment of new anchor points with <i>Medicago truncatula</i> genome. <i>Theoretical and Applied Genetics</i> , 2010, 120, 1415-1441.	3.6	200
18	<i>R</i> gene-controlled host specificity in the legume-rhizobia symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18735-18740.	7.1	277

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19	Antiquity and Function of <i>CASTOR</i> and <i>POLLUX</i> , the Twin Ion Channel-Encoding Genes Key to the Evolution of Root Symbioses in Plants. <i>Plant Physiology</i> , 2009, 149, 306-317.	4.8	63
20	OsIPD3, an ortholog of the <i>Medicago truncatula</i> DMI3 interacting protein IPD3, is required for mycorrhizal symbiosis in rice. <i>New Phytologist</i> , 2008, 180, 311-315.	7.3	77
21	Alfalfa benefits from <i>Medicago truncatula</i> : The <i>RCT1</i> gene from <i>M. truncatula</i> confers broad-spectrum resistance to anthracnose in alfalfa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12164-12169.	7.1	123
22	Recent Advances in <i>Medicago truncatula</i> Genomics. <i>International Journal of Plant Genomics</i> , 2008, 2008, 1-11.	2.2	40
23	Fungal Symbiosis in Rice Requires an Ortholog of a Legume Common Symbiosis Gene Encoding a Ca ²⁺ /Calmodulin-Dependent Protein Kinase. <i>Plant Physiology</i> , 2007, 145, 1619-1628.	4.8	102
24	Genetic and physical localization of an anthracnose resistance gene in <i>Medicago truncatula</i> . <i>Theoretical and Applied Genetics</i> , 2007, 116, 45-52.	3.6	22
25	Tracing Nonlegume Orthologs of Legume Genes Required for Nodulation and Arbuscular Mycorrhizal Symbioses. <i>Genetics</i> , 2006, 172, 2491-2499.	2.9	107
26	Bridging Model and Crop Legumes through Comparative Genomics. <i>Plant Physiology</i> , 2005, 137, 1189-1196.	4.8	247
27	Estimating genome conservation between crop and model legume species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15289-15294.	7.1	416
28	Syntenic Relationships between <i>Medicago truncatula</i> and <i>Arabidopsis</i> Reveal Extensive Divergence of Genome Organization. <i>Plant Physiology</i> , 2003, 131, 1018-1026.	4.8	67
29	Phylogeny and Genomic Organization of the TIR and Non-TIR NBS-LRR Resistance Gene Family in <i>Medicago truncatula</i> . <i>Molecular Plant-Microbe Interactions</i> , 2002, 15, 529-539.	2.6	94