

# Yuhong Tang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

2,297  
citations

21  
h-index

43  
g-index

43  
ext. papers

2,798  
ext. citations

6.6  
avg, IF

4.33  
L-index

#	Paper	IF	Citations
43	A gene expression atlas of the model legume <i>Medicago truncatula</i> . <i>Plant Journal</i> , <b>2008</b> , 55, 504-13	6.9	569
42	Overexpression of miR156 in switchgrass ( <i>Panicum virgatum</i> L.) results in various morphological alterations and leads to improved biomass production. <i>Plant Biotechnology Journal</i> , <b>2012</b> , 10, 443-52	11.6	226
41	Functional characterization of the switchgrass ( <i>Panicum virgatum</i> ) R2R3-MYB transcription factor PvMYB4 for improvement of lignocellulosic feedstocks. <i>New Phytologist</i> , <b>2012</b> , 193, 121-136	9.8	196
40	Different mechanisms for phytoalexin induction by pathogen and wound signals in <i>Medicago truncatula</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 17909-15	11.5	151
39	The <i>Medicago truncatula</i> gene expression atlas web server. <i>BMC Bioinformatics</i> , <b>2009</b> , 10, 441	3.6	141
38	Global reprogramming of transcription and metabolism in <i>Medicago truncatula</i> during progressive drought and after rewatering. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 2553-76	8.4	113
37	Establishment of the <i>Lotus japonicus</i> Gene Expression Atlas (LjGEA) and its use to explore legume seed maturation. <i>Plant Journal</i> , <b>2013</b> , 74, 351-62	6.9	101
36	Switchgrass ( <i>Panicum virgatum</i> ) possesses a divergent family of cinnamoyl CoA reductases with distinct biochemical properties. <i>New Phytologist</i> , <b>2010</b> , 185, 143-55	9.8	67
35	Physiological, biochemical and molecular responses to a combination of drought and ozone in <i>Medicago truncatula</i> . <i>Plant, Cell and Environment</i> , <b>2013</b> , 36, 706-20	8.4	66
34	Development of an integrated transcript sequence database and a gene expression atlas for gene discovery and analysis in switchgrass ( <i>Panicum virgatum</i> L.). <i>Plant Journal</i> , <b>2013</b> , 74, 160-73	6.9	64
33	The polyglutamate synthetase plastidial isoform is required for postembryonic root development in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2011</b> , 155, 1237-51	6.6	44
32	Modulation of redox homeostasis under suboptimal conditions by <i>Arabidopsis</i> nudix hydrolase 7. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 173	5.3	42
31	A combined functional and structural genomics approach identified an EST-SSR marker with complete linkage to the Ligon lintless-2 genetic locus in cotton ( <i>Gossypium hirsutum</i> L.). <i>BMC Genomics</i> , <b>2011</b> , 12, 445	4.5	40
30	Overexpression of the WOX gene STENOFOLIA improves biomass yield and sugar release in transgenic grasses and display altered cytokinin homeostasis. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006649	6	39
29	Transcript profiling by microarray and marker analysis of the short cotton ( <i>Gossypium hirsutum</i> L.) fiber mutant Ligon lintless-1 (Li1). <i>BMC Genomics</i> , <b>2013</b> , 14, 403	4.5	37
28	From model to crop: functional characterization of SPL8 in <i>M. truncatula</i> led to genetic improvement of biomass yield and abiotic stress tolerance in alfalfa. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 951-962	11.6	35
27	Transcriptomic changes induced by acute ozone in resistant and sensitive <i>Medicago truncatula</i> accessions. <i>BMC Plant Biology</i> , <b>2008</b> , 8, 46	5.3	35

26	The miR156-SPL4 module predominantly regulates aerial axillary bud formation and controls shoot architecture. <i>New Phytologist</i> , <b>2017</b> , 216, 829-840	9.8	31
25	LegumeGRN: a gene regulatory network prediction server for functional and comparative studies. <i>PLoS ONE</i> , <b>2013</b> , 8, e67434	3.7	31
24	Comparative transcriptome analysis of short fiber mutants Ligon-lintless 1 and 2 reveals common mechanisms pertinent to fiber elongation in cotton ( <i>Gossypium hirsutum</i> L.). <i>PLoS ONE</i> , <b>2014</b> , 9, e95554	3.7	23
23	Dissection of genetic regulation of compound inflorescence development in. <i>Development (Cambridge)</i> , <b>2018</b> , 145,	6.6	21
22	Loss of function of foylpolylglutamate synthetase 1 reduces lignin content and improves cell wall digestibility in Arabidopsis. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 224	7.8	20
21	SPL7 and SPL8 represent a novel flowering regulation mechanism in switchgrass. <i>New Phytologist</i> , <b>2019</b> , 222, 1610-1623	9.8	19
20	Development and use of a switchgrass (L.) transformation pipeline by the BioEnergy Science Center to evaluate plants for reduced cell wall recalcitrance. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 309	7.8	18
19	Fasciation Mutation Enhances Meristematic Activity and Alters Pattern Formation in Soybean. <i>International Journal of Plant Sciences</i> , <b>1998</b> , 159, 249-260	2.6	17
18	A SOC1-like gene MtSOC1a promotes flowering and primary stem elongation in Medicago. <i>Journal of Experimental Botany</i> , <b>2018</b> , 69, 4867-4880	7	16
17	Transcriptome Profiling of Rust Resistance in Switchgrass Using RNA-Seq Analysis. <i>Plant Genome</i> , <b>2015</b> , 8, eplantgenome2014.10.0075	4.4	16
16	Self-rescue of an EXTENSIN mutant reveals alternative gene expression programs and candidate proteins for new cell wall assembly in Arabidopsis. <i>Plant Journal</i> , <b>2013</b> , 75, 104-116	6.9	16
15	EXTENSIN18 is required for full male fertility as well as normal vegetative growth in Arabidopsis. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 553	6.2	15
14	Ozone responsive genes in Medicago truncatula: analysis by suppression subtraction hybridization. <i>Journal of Plant Physiology</i> , <b>2009</b> , 166, 1284-1295	3.6	12
13	Combining loss of function of and --- for lignin reduction and improved saccharification efficiency in. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 108	7.8	11
12	Differential mRNA translation in Medicago truncatula accessions with contrasting responses to ozone-induced oxidative stress. <i>Molecular Plant</i> , <b>2012</b> , 5, 187-204	14.4	11
11	Field-grown miR156 transgenic switchgrass reproduction, yield, global gene expression analysis, and bioconfinement. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 255	7.8	9
10	Transcriptome analysis of nodes and buds from high and low tillering switchgrass inbred lines. <i>PLoS ONE</i> , <b>2013</b> , 8, e83772	3.7	9
9	Transcriptome analysis in switchgrass discloses ecotype difference in photosynthetic efficiency. <i>BMC Genomics</i> , <b>2016</b> , 17, 1040	4.5	8

8	Expression of fasciation mutation in apical Meristems of Soybean, Glycine Max (Leguminosae). <i>American Journal of Botany</i> , <b>1997</b> , 84, 328-335	2.7	6
7	Comprehensive identification and characterization of abiotic stress and hormone responsive glycosyl hydrolase family 1 genes in <i>Medicago truncatula</i> . <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 158, 21-33	5.4	6
6	The plastidial folylpolyglutamate synthetase and root apical meristem maintenance. <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 751-4	2.5	4
5	Silencing () in Switchgrass ( L.) Improves Lignocellulosic Biofuel Production. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 843	6.2	3
4	Genetic regulation of flowering time and inflorescence architecture by MtFDa and MtFTa1 in <i>Medicago truncatula</i> . <i>Plant Physiology</i> , <b>2021</b> , 185, 161-178	6.6	3
3	Functional characterization of PETIOLULE-LIKE PULVINUS (PLP) gene in abscission zone development in <i>Medicago truncatula</i> and its application to genetic improvement of alfalfa. <i>Plant Biotechnology Journal</i> , <b>2021</b> , 19, 351-364	11.6	3
2	Genotyping-by-sequencing and genomic selection applications in hexaploid triticale.. <i>G3: Genes, Genomes, Genetics</i> , <b>2021</b> ,	3.2	2
1	<i>Lotus japonicus</i> karrikin receptors display divergent ligand-binding specificities and organ-dependent redundancy		1