

Su-May Yu

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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.

75
papers

4,446
citations

39
h-index

66
g-index

76
ext. papers

5,112
ext. citations

6.3
avg, IF

5.17
L-index

#	Paper	IF	Citations
75	A novel class of gibberellin 2-oxidases control semidwarfism, tillering, and root development in rice. <i>Plant Cell</i> , 2008 , 20, 2603-18	11.6	287
74	A novel MYBS3-dependent pathway confers cold tolerance in rice. <i>Plant Physiology</i> , 2010 , 153, 145-58	6.6	203
73	Agrobacterium-mediated production of transgenic rice plants expressing a chimeric alpha-amylase promoter/beta-glucuronidase gene. <i>Plant Molecular Biology</i> , 1993 , 22, 491-506	4.6	193
72	Three novel MYB proteins with one DNA binding repeat mediate sugar and hormone regulation of alpha-amylase gene expression. <i>Plant Cell</i> , 2002 , 14, 1963-80	11.6	186
71	A rice gene activation/knockout mutant resource for high throughput functional genomics. <i>Plant Molecular Biology</i> , 2007 , 63, 351-64	4.6	172
70	Cellular and genetic responses of plants to sugar starvation. <i>Plant Physiology</i> , 1999 , 121, 687-93	6.6	168
69	Coordinated responses to oxygen and sugar deficiency allow rice seedlings to tolerate flooding. <i>Science Signaling</i> , 2009 , 2, ra61	8.8	162
68	The SnRK1A protein kinase plays a key role in sugar signaling during germination and seedling growth of rice. <i>Plant Cell</i> , 2007 , 19, 2484-99	11.6	156
67	Source-Sink Communication: Regulated by Hormone, Nutrient, and Stress Cross-Signaling. <i>Trends in Plant Science</i> , 2015 , 20, 844-857	13.1	155
66	Expression of alpha-amylases, carbohydrate metabolism, and autophagy in cultured rice cells is coordinately regulated by sugar nutrient. <i>Plant Journal</i> , 1994 , 6, 625-36	6.9	141
65	Mutant resources in rice for functional genomics of the grasses. <i>Plant Physiology</i> , 2009 , 149, 165-70	6.6	138
64	Sugar response sequence in the promoter of a rice alpha-amylase gene serves as a transcriptional enhancer. <i>Journal of Biological Chemistry</i> , 1998 , 273, 10120-31	5.4	136
63	An efficient protocol for sugarcane (<i>Saccharum</i> spp. L.) transformation mediated by <i>Agrobacterium tumefaciens</i> . <i>Transgenic Research</i> , 1998 , 7, 213-222	3.3	133
62	Cloning and functional characterization of a constitutively expressed nitrate transporter gene, OsNRT1, from rice. <i>Plant Physiology</i> , 2000 , 122, 379-88	6.6	130
61	Sugar coordinately and differentially regulates growth- and stress-related gene expression via a complex signal transduction network and multiple control mechanisms. <i>Plant Physiology</i> , 2001 , 125, 877-90	6.6	128
60	Sugars act as signal molecules and osmotica to regulate the expression of alpha-amylase genes and metabolic activities in germinating cereal grains. <i>Plant Molecular Biology</i> , 1996 , 30, 1277-89	4.6	106
59	ALFIN-LIKE 6 is involved in root hair elongation during phosphate deficiency in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2013 , 198, 709-720	9.8	83

58	High-level production of a thermoacidophilic beta-glucosidase from <i>Penicillium citrinum</i> YS40-5 by solid-state fermentation with rice bran. <i>Bioresource Technology</i> , 2010 , 101, 1310-7	11	81
57	Signal peptide-dependent targeting of a rice alpha-amylase and cargo proteins to plastids and extracellular compartments of plant cells. <i>Plant Physiology</i> , 2004 , 135, 1367-77	6.6	80
56	Interaction between rice MYBGA and the gibberellin response element controls tissue-specific sugar sensitivity of alpha-amylase genes. <i>Plant Cell</i> , 2006 , 18, 2326-40	11.6	77
55	Carbohydrate starvation stimulates differential expression of rice alpha-amylase genes that is modulated through complicated transcriptional and posttranscriptional processes. <i>Journal of Biological Chemistry</i> , 1996 , 271, 26998-7004	5.4	75
54	Production of two highly active bacterial phytases with broad pH optima in germinated transgenic rice seeds. <i>Transgenic Research</i> , 2004 , 13, 29-39	3.3	72
53	Control of transcription and mRNA turnover as mechanisms of metabolic repression of alpha-amylase gene expression. <i>Plant Journal</i> , 1994 , 5, 655-664	6.9	70
52	Production of human serum albumin by sugar starvation induced promoter and rice cell culture. <i>Transgenic Research</i> , 2005 , 14, 569-81	3.3	65
51	Sugar starvation- and GA-inducible calcium-dependent protein kinase 1 feedback regulates GA biosynthesis and activates a 14-3-3 protein to confer drought tolerance in rice seedlings. <i>Plant Molecular Biology</i> , 2013 , 81, 347-61	4.6	63
50	A novel endo-glucanase from the thermophilic bacterium <i>Geobacillus</i> sp. 70PC53 with high activity and stability over a broad range of temperatures. <i>Extremophiles</i> , 2009 , 13, 425-35	3	60
49	SnRK1A-interacting negative regulators modulate the nutrient starvation signaling sensor SnRK1 in source-sink communication in cereal seedlings under abiotic stress. <i>Plant Cell</i> , 2014 , 26, 808-27	11.6	56
48	A late embryogenesis abundant protein HVA1 regulated by an inducible promoter enhances root growth and abiotic stress tolerance in rice without yield penalty. <i>Plant Biotechnology Journal</i> , 2015 , 13, 105-16	11.6	52
47	Ectopic expression of specific GA2 oxidase mutants promotes yield and stress tolerance in rice. <i>Plant Biotechnology Journal</i> , 2017 , 15, 850-864	11.6	51
46	A rice phenomics study--phenotype scoring and seed propagation of a T-DNA insertion-induced rice mutant population. <i>Plant Molecular Biology</i> , 2007 , 65, 427-38	4.6	51
45	Multiple mode regulation of a cysteine proteinase gene expression in rice. <i>Plant Physiology</i> , 2000 , 122, 57-66	6.6	48
44	Construction of chromosomally located T7 expression system for production of heterologous secreted proteins in <i>Bacillus subtilis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 5392-9	5.7	47
43	Rice alpha-amylase transcriptional enhancers direct multiple mode regulation of promoters in transgenic rice. <i>Journal of Biological Chemistry</i> , 2002 , 277, 13641-9	5.4	47
42	Convergent starvation signals and hormone crosstalk in regulating nutrient mobilization upon germination in cereals. <i>Plant Cell</i> , 2012 , 24, 2857-73	11.6	46
41	The 3' untranslated region of a rice alpha-amylase gene mediates sugar-dependent abundance of mRNA. <i>Plant Journal</i> , 1998 , 15, 685-95	6.9	45

40	Dynamic synergistic effect on <i>Trichoderma reesei</i> cellulases by novel β -glucosidases from Taiwanese fungi. <i>Bioresource Technology</i> , 2011 , 102, 6073-81	11	42
39	Serotonin accumulation in transgenic rice by over-expressing tryptophan decarboxylase results in a dark brown phenotype and stunted growth. <i>Plant Molecular Biology</i> , 2012 , 78, 525-43	4.6	40
38	Abscisic acid- and stress-induced highly proline-rich glycoproteins regulate root growth in rice. <i>Plant Physiology</i> , 2013 , 163, 118-34	6.6	39
37	The sweet potato sporamin promoter confers high-level phytase expression and improves organic phosphorus acquisition and tuber yield of transgenic potato. <i>Plant Molecular Biology</i> , 2008 , 67, 347-61	4.6	39
36	Expression of a bi-functional and thermostable amylopullulanase in transgenic rice seeds leads to autohydrolysis and altered composition of starch. <i>Molecular Breeding</i> , 2005 , 15, 125-143	3.4	38
35	Transcriptomic adaptations in rice suspension cells under sucrose starvation. <i>Plant Molecular Biology</i> , 2007 , 63, 441-63	4.6	36
34	A metagenomic approach for the identification and cloning of an endoglucanase from rice straw compost. <i>Gene</i> , 2013 , 519, 360-6	3.8	35
33	Sugar starvation-regulated MYBS2 and 14-3-3 protein interactions enhance plant growth, stress tolerance, and grain weight in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21925-21935	11.5	34
32	Metabolic adaptation to sugar/O ₂ deficiency for anaerobic germination and seedling growth in rice. <i>Plant, Cell and Environment</i> , 2014 , 37, 2234-44	8.4	34
31	Genetic resources offer efficient tools for rice functional genomics research. <i>Plant, Cell and Environment</i> , 2016 , 39, 998-1013	8.4	33
30	Production of mouse granulocyte-macrophage colony-stimulating factor by gateway technology and transgenic rice cell culture. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1239-47	4.9	27
29	Increasing leaf vein density by mutagenesis: laying the foundations for C ₄ rice. <i>PLoS ONE</i> , 2014 , 9, e94947	4.7	23
28	Somaclonal variation does not preclude the use of rice transformants for genetic screening. <i>Plant Journal</i> , 2016 , 85, 648-59	6.9	23
27	Exploring the Mechanism Responsible for Cellulase Thermostability by Structure-Guided Recombination. <i>PLoS ONE</i> , 2016 , 11, e0147485	3.7	22
26	A novel exo-cellulase from white spotted longhorn beetle (<i>Anoplophora malasiaca</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 629-36	4.5	21
25	T-DNA activation tagging as a tool to isolate <i>Salvia miltiorrhiza</i> transgenic lines for higher yields of tanshinones. <i>Planta Medica</i> , 2008 , 74, 780-6	3.1	21
24	Characterization of an immunomodulatory Der p 2-FIP-fve fusion protein produced in transformed rice suspension cell culture. <i>Transgenic Research</i> , 2012 , 21, 177-92	3.3	19
23	Enhancement of laccase activity by pre-incubation with organic solvents. <i>Scientific Reports</i> , 2019 , 9, 9754	4.9	16

22	Global functional analyses of rice promoters by genomics approaches. <i>Plant Molecular Biology</i> , 2007 , 65, 417-25	4.6	14
21	A rice DEAD-box protein, OsRH36, can complement an Arabidopsis atrh36 mutant, but cannot functionally replace its yeast homolog Dbp8p. <i>Plant Molecular Biology</i> , 2010 , 74, 119-28	4.6	13
20	Kinetic analysis and structural studies of a high-efficiency laccase from sp. RSD1. <i>FEBS Open Bio</i> , 2018 , 8, 1230-1246	2.7	11
19	β-glucosidase D2-BGL has intriguing structural features and a high substrate affinity that renders it an efficient cellulase supplement for lignocellulosic biomass hydrolysis. <i>Biotechnology for Biofuels</i> , 2019 , 12, 258	7.8	10
18	T-DNA Insertion Mutants as a Resource for Rice Functional Genomics 2007 , 181-221		10
17	Candidate regulators of Early Leaf Development in Maize Perturb Hormone Signalling and Secondary Cell Wall Formation When Constitutively Expressed in Rice. <i>Scientific Reports</i> , 2017 , 7, 4535	4.9	9
16	Rice Big Grain 1 promotes cell division to enhance organ development, stress tolerance and grain yield. <i>Plant Biotechnology Journal</i> , 2020 , 18, 1969-1983	11.6	8
15	An ABA-responsive bZIP protein, OsBZ8, mediates sugar repression of α-amylase gene expression. <i>Physiologia Plantarum</i> , 2003 , 119, 78-86	4.6	8
14	How does rice cope with too little oxygen during its early life?. <i>New Phytologist</i> , 2021 , 229, 36-41	9.8	8
13	Large-scale phenomics analysis of a T-DNA tagged mutant population. <i>GigaScience</i> , 2017 , 6, 1-7	7.6	7
12	The modified rice Amy8 promoter confers high-level foreign gene expression in a novel hypoxia-inducible expression system in transgenic rice seedlings. <i>Plant Molecular Biology</i> , 2014 , 85, 147-61	4.6	7
11	Molecular cloning and characterization of a novel starvation inducible MAP kinase gene in rice. <i>Plant Physiology and Biochemistry</i> , 2003 , 41, 207-213	5.4	7
10	Glycosylation variants of a β-glucosidase secreted by a Taiwanese fungus, Chaetomella raphigera, exhibit variant-specific catalytic and biochemical properties. <i>PLoS ONE</i> , 2014 , 9, e106306	3.7	7
9	Methods for rice phenomics studies. <i>Methods in Molecular Biology</i> , 2011 , 678, 129-38	1.4	5
8	Lack of Genotype and Phenotype Correlation in a Rice T-DNA Tagged Line Is Likely Caused by Introgression in the Seed Source. <i>PLoS ONE</i> , 2016 , 11, e0155768	3.7	5
7	Activation Tagging Systems in Rice 2007 , 333-353		3
6	Improvements of the productivity and saccharification efficiency of the cellulolytic β-glucosidase D2-BGL in Pichia pastoris via directed evolution. <i>Biotechnology for Biofuels</i> , 2021 , 14, 126	7.8	3
5	The Nucleotide-Dependent Interactome of Rice Heterotrimeric G-Protein β-Subunit. <i>Proteomics</i> , 2019 , 19, e1800385	4.8	2

4	Ectopic Expression of WINDING 1 Leads to Asymmetrical Distribution of Auxin and a Spiral Phenotype in Rice. <i>Plant and Cell Physiology</i> , 2017 , 58, 1494-1506	4.9	1
3	TTRSIS: A Cloud Computing Platform for Rice Functional Genomics Research through a Reverse Genetics Approach 2011 ,		1
2	From simple and specific zymographic detections to the annotation of a fungus <i>Daldinia caldariorum</i> D263 that encodes a wide range of highly bioactive cellulolytic enzymes. <i>Biotechnology for Biofuels</i> , 2021 , 14, 120	7.8	1
1	Knockdown expression of a MYB-related transcription factor gene, OsMYBS2, enhances production of recombinant proteins in rice suspension cells. <i>Plant Methods</i> , 2021 , 17, 99	5.8	1