

# Su-May Yu

## List of Publications by Year in Descending Order

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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	Improvements of the productivity and saccharification efficiency of the cellulolytic $\beta$ -glucosidase D2-BGL in <i>Pichia pastoris</i> via directed evolution. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 126	7.8	3
74	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> , <b>2021</b> , 14, 120	7.8	1
73	How does rice cope with too little oxygen during its early life?. <i>New Phytologist</i> , <b>2021</b> , 229, 36-41	9.8	8
72	Knockdown expression of a MYB-related transcription factor gene, OsMYBS2, enhances production of recombinant proteins in rice suspension cells. <i>Plant Methods</i> , <b>2021</b> , 17, 99	5.8	1
71	Rice Big Grain 1 promotes cell division to enhance organ development, stress tolerance and grain yield. <i>Plant Biotechnology Journal</i> , <b>2020</b> , 18, 1969-1983	11.6	8
70	The Nucleotide-Dependent Interactome of Rice Heterotrimeric G-Protein $\beta$ -Subunit. <i>Proteomics</i> , <b>2019</b> , 19, e1800385	4.8	2
69	Enhancement of laccase activity by pre-incubation with organic solvents. <i>Scientific Reports</i> , <b>2019</b> , 9, 9754	4.9	16
68	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> , <b>2019</b> , 116, 21925-21935	11.5	34
67	$\beta$ -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> , <b>2019</b> , 12, 258	7.8	10
66	Kinetic analysis and structural studies of a high-efficiency laccase from sp. RSD1. <i>FEBS Open Bio</i> , <b>2018</b> , 8, 1230-1246	2.7	11
65	Ectopic expression of specific GA2 oxidase mutants promotes yield and stress tolerance in rice. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 850-864	11.6	51
64	Ectopic Expression of WINDING 1 Leads to Asymmetrical Distribution of Auxin and a Spiral Phenotype in Rice. <i>Plant and Cell Physiology</i> , <b>2017</b> , 58, 1494-1506	4.9	1
63	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> , <b>2017</b> , 7, 4535	4.9	9
62	Large-scale phenomics analysis of a T-DNA tagged mutant population. <i>GigaScience</i> , <b>2017</b> , 6, 1-7	7.6	7
61	Exploring the Mechanism Responsible for Cellulase Thermostability by Structure-Guided Recombination. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147485	3.7	22
60	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> , <b>2016</b> , 11, e0155768	3.7	5
59	Genetic resources offer efficient tools for rice functional genomics research. <i>Plant, Cell and Environment</i> , <b>2016</b> , 39, 998-1013	8.4	33

58	Somaclonal variation does not preclude the use of rice transformants for genetic screening. <i>Plant Journal</i> , <b>2016</b> , 85, 648-59	6.9	23
57	Source-Sink Communication: Regulated by Hormone, Nutrient, and Stress Cross-Signaling. <i>Trends in Plant Science</i> , <b>2015</b> , 20, 844-857	13.1	155
56	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> , <b>2015</b> , 13, 105-16	11.6	52
55	Metabolic adaptation to sugar/O <sub>2</sub> deficiency for anaerobic germination and seedling growth in rice. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 2234-44	8.4	34
54	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> , <b>2014</b> , 26, 808-27	11.6	56
53	Increasing leaf vein density by mutagenesis: laying the foundations for C <sub>4</sub> rice. <i>PLoS ONE</i> , <b>2014</b> , 9, e94947	4.7	23
52	The modified rice <i>Amy8</i> promoter confers high-level foreign gene expression in a novel hypoxia-inducible expression system in transgenic rice seedlings. <i>Plant Molecular Biology</i> , <b>2014</b> , 85, 147-61	4.6	7
51	Glycosylation variants of a $\beta$ -glucosidase secreted by a Taiwanese fungus, <i>Chaetomella raphigera</i> , exhibit variant-specific catalytic and biochemical properties. <i>PLoS ONE</i> , <b>2014</b> , 9, e106306	3.7	7
50	ALFIN-LIKE 6 is involved in root hair elongation during phosphate deficiency in Arabidopsis. <i>New Phytologist</i> , <b>2013</b> , 198, 709-720	9.8	83
49	A metagenomic approach for the identification and cloning of an endoglucanase from rice straw compost. <i>Gene</i> , <b>2013</b> , 519, 360-6	3.8	35
48	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> , <b>2013</b> , 81, 347-61	4.6	63
47	Abscisic acid- and stress-induced highly proline-rich glycoproteins regulate root growth in rice. <i>Plant Physiology</i> , <b>2013</b> , 163, 118-34	6.6	39
46	Characterization of an immunomodulatory Der p 2-FIP-fve fusion protein produced in transformed rice suspension cell culture. <i>Transgenic Research</i> , <b>2012</b> , 21, 177-92	3.3	19
45	A novel exo-cellulase from white spotted longhorn beetle ( <i>Anoplophora malasiaca</i> ). <i>Insect Biochemistry and Molecular Biology</i> , <b>2012</b> , 42, 629-36	4.5	21
44	Serotonin accumulation in transgenic rice by over-expressing tryptophan decarboxylase results in a dark brown phenotype and stunted growth. <i>Plant Molecular Biology</i> , <b>2012</b> , 78, 525-43	4.6	40
43	Convergent starvation signals and hormone crosstalk in regulating nutrient mobilization upon germination in cereals. <i>Plant Cell</i> , <b>2012</b> , 24, 2857-73	11.6	46
42	Production of mouse granulocyte-macrophage colony-stimulating factor by gateway technology and transgenic rice cell culture. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 1239-47	4.9	27
41	Dynamic synergistic effect on <i>Trichoderma reesei</i> cellulases by novel $\beta$ -glucosidases from Taiwanese fungi. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6073-81	11	42

40	TTRSIS: A Cloud Computing Platform for Rice Functional Genomics Research through a Reverse Genetics Approach <b>2011</b> ,		1
39	Methods for rice phenomics studies. <i>Methods in Molecular Biology</i> , <b>2011</b> , 678, 129-38	1.4	5
38	A novel MYBS3-dependent pathway confers cold tolerance in rice. <i>Plant Physiology</i> , <b>2010</b> , 153, 145-58	6.6	203
37	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> , <b>2010</b> , 58, 5392-9	5.7	47
36	A rice DEAD-box protein, OsRH36, can complement an <i>Arabidopsis</i> <i>atrh36</i> mutant, but cannot functionally replace its yeast homolog <i>Dbp8p</i> . <i>Plant Molecular Biology</i> , <b>2010</b> , 74, 119-28	4.6	13
35	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> , <b>2010</b> , 101, 1310-7	11	81
34	Coordinated responses to oxygen and sugar deficiency allow rice seedlings to tolerate flooding. <i>Science Signaling</i> , <b>2009</b> , 2, ra61	8.8	162
33	Mutant resources in rice for functional genomics of the grasses. <i>Plant Physiology</i> , <b>2009</b> , 149, 165-70	6.6	138
32	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> , <b>2009</b> , 13, 425-35	3	60
31	A novel class of gibberellin 2-oxidases control semidwarfism, tillering, and root development in rice. <i>Plant Cell</i> , <b>2008</b> , 20, 2603-18	11.6	287
30	T-DNA activation tagging as a tool to isolate <i>Salvia miltiorrhiza</i> transgenic lines for higher yields of tanshinones. <i>Planta Medica</i> , <b>2008</b> , 74, 780-6	3.1	21
29	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> , <b>2008</b> , 67, 347-61	4.6	39
28	A rice gene activation/knockout mutant resource for high throughput functional genomics. <i>Plant Molecular Biology</i> , <b>2007</b> , 63, 351-64	4.6	172
27	Transcriptomic adaptations in rice suspension cells under sucrose starvation. <i>Plant Molecular Biology</i> , <b>2007</b> , 63, 441-63	4.6	36
26	A rice phenomics study--phenotype scoring and seed propagation of a T-DNA insertion-induced rice mutant population. <i>Plant Molecular Biology</i> , <b>2007</b> , 65, 427-38	4.6	51
25	Global functional analyses of rice promoters by genomics approaches. <i>Plant Molecular Biology</i> , <b>2007</b> , 65, 417-25	4.6	14
24	The SnRK1A protein kinase plays a key role in sugar signaling during germination and seedling growth of rice. <i>Plant Cell</i> , <b>2007</b> , 19, 2484-99	11.6	156
23	T-DNA Insertion Mutants as a Resource for Rice Functional Genomics <b>2007</b> , 181-221		10

22	Activation Tagging Systems in Rice <b>2007</b> , 333-353		3
21	Interaction between rice MYBGA and the gibberellin response element controls tissue-specific sugar sensitivity of alpha-amylase genes. <i>Plant Cell</i> , <b>2006</b> , 18, 2326-40	11.6	77
20	Production of human serum albumin by sugar starvation induced promoter and rice cell culture. <i>Transgenic Research</i> , <b>2005</b> , 14, 569-81	3.3	65
19	Expression of a bi-functional and thermostable amylopullulanase in transgenic rice seeds leads to autohydrolysis and altered composition of starch. <i>Molecular Breeding</i> , <b>2005</b> , 15, 125-143	3.4	38
18	Signal peptide-dependent targeting of a rice alpha-amylase and cargo proteins to plastids and extracellular compartments of plant cells. <i>Plant Physiology</i> , <b>2004</b> , 135, 1367-77	6.6	80
17	Production of two highly active bacterial phytases with broad pH optima in germinated transgenic rice seeds. <i>Transgenic Research</i> , <b>2004</b> , 13, 29-39	3.3	72
16	Molecular cloning and characterization of a novel starvation inducible MAP kinase gene in rice. <i>Plant Physiology and Biochemistry</i> , <b>2003</b> , 41, 207-213	5.4	7
15	An ABA-responsive bZIP protein, OsBZ8, mediates sugar repression of αamylase gene expression. <i>Physiologia Plantarum</i> , <b>2003</b> , 119, 78-86	4.6	8
14	Three novel MYB proteins with one DNA binding repeat mediate sugar and hormone regulation of alpha-amylase gene expression. <i>Plant Cell</i> , <b>2002</b> , 14, 1963-80	11.6	186
13	Rice alpha-amylase transcriptional enhancers direct multiple mode regulation of promoters in transgenic rice. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13641-9	5.4	47
12	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> , <b>2001</b> , 125, 877-90	6.6	128
11	Multiple mode regulation of a cysteine proteinase gene expression in rice. <i>Plant Physiology</i> , <b>2000</b> , 122, 57-66	6.6	48
10	Cloning and functional characterization of a constitutively expressed nitrate transporter gene, OsNRT1, from rice. <i>Plant Physiology</i> , <b>2000</b> , 122, 379-88	6.6	130
9	Cellular and genetic responses of plants to sugar starvation. <i>Plant Physiology</i> , <b>1999</b> , 121, 687-93	6.6	168
8	An efficient protocol for sugarcane ( <i>Saccharum</i> spp. L.) transformation mediated by <i>Agrobacterium tumefaciens</i> . <i>Transgenic Research</i> , <b>1998</b> , 7, 213-222	3.3	133
7	The 3'Untranslated region of a rice alpha-amylase gene mediates sugar-dependent abundance of mRNA. <i>Plant Journal</i> , <b>1998</b> , 15, 685-95	6.9	45
6	Sugar response sequence in the promoter of a rice alpha-amylase gene serves as a transcriptional enhancer. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 10120-31	5.4	136
5	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> , <b>1996</b> , 271, 26998-7004	5.4	75

4	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> , <b>1996</b> , 30, 1277-89	4.6	106
3	Expression of alpha-amylases, carbohydrate metabolism, and autophagy in cultured rice cells is coordinately regulated by sugar nutrient. <i>Plant Journal</i> , <b>1994</b> , 6, 625-36	6.9	141
2	Control of transcription and mRNA turnover as mechanisms of metabolic repression of alpha-amylase gene expression. <i>Plant Journal</i> , <b>1994</b> , 5, 655-664	6.9	70
1	Agrobacterium-mediated production of transgenic rice plants expressing a chimeric alpha-amylase promoter/beta-glucuronidase gene. <i>Plant Molecular Biology</i> , <b>1993</b> , 22, 491-506	4.6	193