

Chengwei Yang

List of Publications by Year in descending order

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58
papers

1,717
citations

257450

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docs citations

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times ranked

2124
citing authors

#	ARTICLE	IF	CITATIONS
1	The Arabidopsis SUMO E3 ligase AtMMS21, a homologue of NSE2/MMS21, regulates cell proliferation in the root. <i>Plant Journal</i> , 2009, 60, 666-678.	5.7	145
2	The Arabidopsis Mitochondrial Protease FtSH4 Is Involved in Leaf Senescence via Regulation of WRKY-Dependent Salicylic Acid Accumulation and Signaling. <i>Plant Physiology</i> , 2017, 173, 2294-2307.	4.8	98
3	The Arabidopsis SWI2/SNF2 Chromatin Remodeling ATPase BRAHMA Targets Directly to PINs and Is Required for Root Stem Cell Niche Maintenance. <i>Plant Cell</i> , 2015, 27, 1670-1680.	6.6	88
4	HY5-HDA9 Module Transcriptionally Regulates Plant Autophagy in Response to Light-to-Dark Conversion and Nitrogen Starvation. <i>Molecular Plant</i> , 2020, 13, 515-531.	8.3	72
5	SUMO E3 Ligase AtMMS21 Regulates Drought Tolerance in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2013, 55, 83-95.	8.5	71
6	Perturbation of Auxin Homeostasis Caused by Mitochondrial FtSH4 Gene-Mediated Peroxidase Accumulation Regulates Arabidopsis Architecture. <i>Molecular Plant</i> , 2014, 7, 856-873.	8.3	65
7	Jasmonate complements the function of Arabidopsis lipoxygenase3 in salinity stress response. <i>Plant Science</i> , 2016, 244, 1-7.	3.6	64
8	S-acylation of a geminivirus C4 protein is essential for regulating the CLAVATA pathway in symptom determination. <i>Journal of Experimental Botany</i> , 2018, 69, 4459-4468.	4.8	62
9	AtMMS21, an SMC5/6 Complex Subunit, Is Involved in Stem Cell Niche Maintenance and DNA Damage Responses in Arabidopsis Roots. <i>Plant Physiology</i> , 2013, 161, 1755-1768.	4.8	60
10	A Putative Chloroplast-Localized Ca ²⁺ /H ⁺ Antiporter CCHA1 Is Involved in Calcium and pH Homeostasis and Required for PSII Function in Arabidopsis. <i>Molecular Plant</i> , 2016, 9, 1183-1196.	8.3	59
11	Proteomic analysis of differentially expressed proteins involved in ethylene-induced chilling tolerance in harvested banana fruit. <i>Frontiers in Plant Science</i> , 2015, 6, 845.	3.6	58
12	The LEA protein, ABR, is regulated by ABI5 and involved in dark-induced leaf senescence in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2016, 247, 93-103.	3.6	58
13	A novel <i>Zea mays</i> ssp. <i>mexicana</i> L. MYC-type ICE-like transcription factor gene ZmmICE1, enhances freezing tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 113, 78-88.	5.8	51
14	SUMO E3 ligase AtMMS21 is required for normal meiosis and gametophyte development in Arabidopsis. <i>BMC Plant Biology</i> , 2014, 14, 153.	3.6	50
15	Overexpression of Glycolate Oxidase Confers Improved Photosynthesis under High Light and High Temperature in Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 1165.	3.6	44
16	The Arabidopsis SUMO E3 Ligase AtMMS21 Dissociates the E2Fa/DPa Complex in Cell Cycle Regulation. <i>Plant Cell</i> , 2016, 28, 2225-2237.	6.6	43
17	AtLa1 protein initiates IRES-dependent translation of <i>WUSCHEL</i> mRNA and regulates the stem cell homeostasis of <i>Arabidopsis</i> in response to environmental hazards. <i>Plant, Cell and Environment</i> , 2015, 38, 2098-2114.	5.7	38
18	SUMOylation Stabilizes the Transcription Factor DREB2A to Improve Plant Thermotolerance. <i>Plant Physiology</i> , 2020, 183, 41-50.	4.8	38

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19	Two homologous protein <i>S</i> -acyltransferases, PAT13 and PAT14, cooperatively regulate leaf senescence in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 6345-6353.	4.8	34
20	A SUMO Ligase AtMMS21 Regulates the Stability of the Chromatin Remodeler BRAHMA in Root Development. <i>Plant Physiology</i> , 2017, 173, 1574-1582.	4.8	34
21	Golgi-localised manganese transporter PML3 regulates <i>Arabidopsis</i> growth through modulating Golgi glycosylation and cell wall biosynthesis. <i>New Phytologist</i> , 2021, 231, 2200-2214.	7.3	33
22	AtMMS21 regulates DNA damage response and homologous recombination repair in <i>Arabidopsis</i> . <i>DNA Repair</i> , 2014, 21, 140-147.	2.8	31
23	Comparative proteomic approaches to analysis of litchi pulp senescence after harvest. <i>Food Research International</i> , 2015, 78, 274-285.	6.2	31
24	Functional characterization of DnSIZ1, a SIZ/PIAS-type SUMO E3 ligase from <i>Dendrobium</i> . <i>BMC Plant Biology</i> , 2015, 15, 225.	3.6	27
25	Lectin receptor kinase OsLecRK5.7 is required for pollen development and male fertility. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1227-1245.	8.5	24
26	Geminivirus C4: Interplaying with Receptor-like Kinases. <i>Trends in Plant Science</i> , 2018, 23, 1044-1046.	8.8	23
27	The Genome-Wide EMS Mutagenesis Bias Correlates With Sequence Context and Chromatin Structure in Rice. <i>Frontiers in Plant Science</i> , 2021, 12, 579675.	3.6	20
28	Comparative proteomics reveals the physiological differences between winter tender shoots and spring tender shoots of a novel tea (<i>Camellia sinensis</i> L.) cultivar evergrowing in winter. <i>BMC Plant Biology</i> , 2017, 17, 206.	3.6	19
29	Nuclear Prohibitin3 Maintains Genome Integrity and Cell Proliferation in the Root Meristem through Minichromosome Maintenance 2. <i>Plant Physiology</i> , 2019, 179, 1669-1691.	4.8	19
30	<i>OsAGSW1</i> , an ABC1-like kinase gene, is involved in the regulation of grain size and weight in rice. <i>Journal of Experimental Botany</i> , 2015, 66, 5691-5701.	4.8	17
31	A SWI/SNF subunit regulates chromosomal dissociation of structural maintenance complex 5 during DNA repair in plant cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15288-15296.	7.1	16
32	The Transcriptional Coactivator ADA2b Recruits a Structural Maintenance Protein to Double-Strand Breaks during DNA Repair in Plants. <i>Plant Physiology</i> , 2018, 176, 2613-2622.	4.8	15
33	Post-translational modification: a strategic response to high temperature in plants. <i>ABIOTECH</i> , 2022, 3, 49-64.	3.9	15
34	Chromatin-associated SUMOylation controls the transcriptional switch between plant development and heat stress responses. <i>Plant Communications</i> , 2021, 2, 100091.	7.7	14
35	Danger peptide signaling enhances internalization of a geminivirus symptom determinant in plant cells during infection. <i>Journal of Experimental Botany</i> , 2020, 71, 2817-2827.	4.8	13
36	SUMOylation: A critical transcription modulator in plant cells. <i>Plant Science</i> , 2021, 310, 110987.	3.6	12

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37	An ABHD17-like hydrolase screening system to identify de-S-acylation enzymes of protein substrates in plant cells. <i>Plant Cell</i> , 2021, 33, 3235-3249.	6.6	11
38	Importation of chloroplast proteins under heat stress is facilitated by their SUMO conjugations. <i>New Phytologist</i> , 2022, 235, 173-187.	7.3	11
39	BLISTER promotes seed maturation and fatty acid biosynthesis by interacting with WRINKLED1 to regulate chromatin dynamics in Arabidopsis. <i>Plant Cell</i> , 2022, 34, 2242-2265.	6.6	11
40	AtSIA1, an ABC1-like kinase, regulates salt response in Arabidopsis. <i>Biologia (Poland)</i> , 2012, 67, 1107-1111.	1.5	10
41	The SWI/SNF subunit SWI3B regulates IAMT1 expression via chromatin remodeling in Arabidopsis leaf development. <i>Plant Science</i> , 2018, 271, 127-132.	3.6	10
42	Inhibitory mechanism of butylated hydroxyanisole against infection of <i>Fusarium proliferatum</i> based on comparative proteomic analysis. <i>Journal of Proteomics</i> , 2016, 148, 1-11.	2.4	9
43	Comparative proteomic analysis reveals differential protein and energy metabolisms from two tobacco cultivars in response to cold stress. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	9
44	A SUMO ligase AtMMS21 regulates activity of the 26S proteasome in root development. <i>Plant Science</i> , 2019, 280, 314-320.	3.6	9
45	Overexpression of a CPYC-Type Glutaredoxin, OsGrxC2.2, Causes Abnormal Embryos and an Increased Grain Weight in Rice. <i>Frontiers in Plant Science</i> , 2019, 10, 848.	3.6	8
46	Protein modification: A critical modulator in the interaction between geminiviruses and host plants. <i>Plant, Cell and Environment</i> , 2021, 44, 1707-1715.	5.7	8
47	Rice OsClo5, a caleosin protein, negatively regulates cold tolerance through the jasmonate signalling pathway. <i>Plant Biology</i> , 2022, 24, 52-61.	3.8	8
48	The <i>Arabidopsis</i> PHB3 is a pleiotropic regulator for plant development. <i>Plant Signaling and Behavior</i> , 2019, 14, 1656036.	2.4	7
49	Involvement of Arabidopsis CPR5 in thermotolerance. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2093-2103.	2.1	6
50	Resistance spectrum assay and fine mapping of the blast resistance gene from a rice experimental line, IRBLta2-Re. <i>Euphytica</i> , 2014, 195, 209-216.	1.2	6
51	AtMMS21: Connecting DNA Repair and Root Development. <i>Trends in Plant Science</i> , 2018, 23, 89-91.	8.8	6
52	The Pumilio RNA-binding protein APUM24 regulates seed maturation by fine-tuning the BPM-WRI1 module in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1240-1259.	8.5	6
53	A SUMO ligase OsMMS21 regulates rice development and auxin response. <i>Journal of Plant Physiology</i> , 2021, 263, 153447.	3.5	6
54	Functional characterization of three maize SIZ/PIAS-type SUMO E3 ligases. <i>Journal of Plant Physiology</i> , 2022, 268, 153588.	3.5	6

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55	Functional characterization of a chloroplast-localized Mn ²⁺ /(Ca ²⁺)/H ⁺ antiporter, ZmmCCHA1 from <i>Zea mays</i> ssp. <i>mexicana</i> L. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 396-405.	5.8	4
56	Functional characterization of DiMMS21, a SUMO ligase from <i>Desmodium intortum</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 141, 206-214.	5.8	2
57	The role of ascorbic acid in rice leaf senescence and photo-“carbon imbalance. <i>Functional Plant Biology</i> , 2020, 47, 263.	2.1	2
58	Quantitative Fluorescence Resonance Energy Transfer Analysis on the Direct Interaction of Activation-2b with Histone H3/Switch-3B Protein in <i>Arabidopsis</i> Mesophyll Protoplasts. <i>Journal of Fluorescence</i> , 2021, 31, 981-988.	2.5	1