

Jianbin Lai

List of Publications by Year in descending order

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34
papers

1,106
citations

567281

15
h-index

414414

32
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34
all docs

34
docs citations

34
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	BSCTV C2 Attenuates the Degradation of SAMDC1 to Suppress DNA Methylation-Mediated Gene Silencing in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 273-288.	6.6	201
2	RKP, a RING finger E3 ligase induced by BSCTV C4 protein, affects geminivirus infection by regulation of the plant cell cycle. <i>Plant Journal</i> , 2009, 57, 905-917.	5.7	127
3	Involvement of C4 Protein of Beet Severe Curly Top Virus (Family Geminiviridae) in Virus Movement. <i>PLoS ONE</i> , 2010, 5, e11280.	2.5	68
4	Jasmonate complements the function of <i>Arabidopsis</i> lipoxygenase3 in salinity stress response. <i>Plant Science</i> , 2016, 244, 1-7.	3.6	64
5	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
6	A Putative Chloroplast-Localized Ca ²⁺ /H ⁺ Antiporter CCHA1 Is Involved in Calcium and pH Homeostasis and Required for PSII Function in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2016, 9, 1183-1196.	8.3	59
7	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
8	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
9	The <i>Arabidopsis</i> SUMO E3 Ligase AtMMS21 Dissociates the E2Fa/DPa Complex in Cell Cycle Regulation. <i>Plant Cell</i> , 2016, 28, 2225-2237.	6.6	43
10	SUMOylation Stabilizes the Transcription Factor DREB2A to Improve Plant Thermotolerance. <i>Plant Physiology</i> , 2020, 183, 41-50.	4.8	38
11	Two homologous protein S-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
12	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
13	AtMMS21 regulates DNA damage response and homologous recombination repair in <i>Arabidopsis</i> . <i>DNA Repair</i> , 2014, 21, 140-147.	2.8	31
14	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
15	Geminivirus C4: Interplaying with Receptor-like Kinases. <i>Trends in Plant Science</i> , 2018, 23, 1044-1046.	8.8	23
16	<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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Post-translational modification: a strategic response to high temperature in plants. <i>ABIOTECH</i> , 2022, 3, 49-64.	3.9	15
20	Chromatin-associated SUMOylation controls the transcriptional switch between plant development and heat stress responses. <i>Plant Communications</i> , 2021, 2, 100091.	7.7	14
21	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
22	SUMOylation: A critical transcription modulator in plant cells. <i>Plant Science</i> , 2021, 310, 110987.	3.6	12
23	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
24	Importation of chloroplast proteins under heat stress is facilitated by their SUMO conjugations. <i>New Phytologist</i> , 2022, 235, 173-187.	7.3	11
25	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
26	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
27	A SUMO ligase AtMMS21 regulates activity of the 26S proteasome in root development. <i>Plant Science</i> , 2019, 280, 314-320.	3.6	9
28	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
29	AtMMS21: Connecting DNA Repair and Root Development. <i>Trends in Plant Science</i> , 2018, 23, 89-91.	8.8	6
30	A SUMO ligase OsMMS21 regulates rice development and auxin response. <i>Journal of Plant Physiology</i> , 2021, 263, 153447.	3.5	6
31	Functional characterization of three maize SIZ/PIAS-type SUMO E3 ligases. <i>Journal of Plant Physiology</i> , 2022, 268, 153588.	3.5	6
32	Functional characterization of a chloroplast-localized Mn ²⁺ (Ca ²⁺)/H ⁺ antiporter, ZmmCCHA1 from <i>Zea mays ssp. mexicana</i> L. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 396-405.	5.8	4
33	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
34	ABA INSENSITIVE 5 confers geminivirus resistance via suppression of the viral promoter activity in plants. <i>Journal of Plant Physiology</i> , 2022, 275, 153742.	3.5	2