Jianbin Lai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6831095/publications.pdf

Version: 2024-02-01

34	1,106	567281 15	414414 32
papers	citations	h-index	g-index

34	34	34	1262
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional characterization of three maize SIZ/PIAS-type SUMO E3 ligases. Journal of Plant Physiology, 2022, 268, 153588.	3.5	6
2	Post-translational modification: a strategicÂresponse to high temperature in plants. ABIOTECH, 2022, 3, 49-64.	3.9	15
3	Importation of chloroplast proteins under heat stress is facilitated by their SUMO conjugations. New Phytologist, 2022, 235, 173-187.	7.3	11
4	ABA INSENSITIVE 5 confers geminivirus resistance via suppression of the viral promoter activity in plants. Journal of Plant Physiology, 2022, 275, 153742.	3.5	2
5	Chromatin-associated SUMOylation controls the transcriptional switch between plant development and heat stress responses. Plant Communications, 2021, 2, 100091.	7.7	14
6	Protein modification: A critical modulator in the interaction between geminiviruses and host plants. Plant, Cell and Environment, 2021, 44, 1707-1715.	5.7	8
7	An ABHD17-like hydrolase screening system to identify de-S-acylation enzymes of protein substrates in plant cells. Plant Cell, 2021, 33, 3235-3249.	6.6	11
8	A SUMO ligase OsMMS21 regulates rice development and auxin response. Journal of Plant Physiology, 2021, 263, 153447.	3.5	6
9	SUMOylation: A critical transcription modulator in plant cells. Plant Science, 2021, 310, 110987.	3.6	12
10	Functional characterization of a chloroplast-localized Mn2+(Ca2+)/H+ antiporter, ZmmCCHA1 from Zea mays ssp. mexicana L. Plant Physiology and Biochemistry, 2020, 155, 396-405.	5.8	4
11	SUMOylation Stabilizes the Transcription Factor DREB2A to Improve Plant Thermotolerance. Plant Physiology, 2020, 183, 41-50.	4.8	38
12	Danger peptide signaling enhances internalization of a geminivirus symptom determinant in plant cells during infection. Journal of Experimental Botany, 2020, 71, 2817-2827.	4.8	13
13	A SWI/SNF subunit regulates chromosomal dissociation of structural maintenance complex 5 during DNA repair in plant cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15288-15296.	7.1	16
14	Functional characterization of DiMMS21, a SUMO ligase from Desmodium intortum. Plant Physiology and Biochemistry, 2019, 141, 206-214.	5.8	2
15	A SUMO ligase AtMMS21 regulates activity of the 26S proteasome in root development. Plant Science, 2019, 280, 314-320.	3.6	9
16	The Transcriptional Coactivator ADA2b Recruits a Structural Maintenance Protein to Double-Strand Breaks during DNA Repair in Plants. Plant Physiology, 2018, 176, 2613-2622.	4.8	15
17	The SWI/SNF subunit SWI3B regulates IAMT1 expression via chromatin remodeling in Arabidopsis leaf development. Plant Science, 2018, 271, 127-132.	3.6	10
18	Comparative proteomic analysis reveals differential protein and energy metabolisms from two tobacco cultivars in response to cold stress. Acta Physiologiae Plantarum, 2018, 40, 1.	2.1	9

#	Article	IF	Citations
19	AtMMS21: Connecting DNA Repair and Root Development. Trends in Plant Science, 2018, 23, 89-91.	8.8	6
20	Geminivirus C4: Interplaying with Receptor-like Kinases. Trends in Plant Science, 2018, 23, 1044-1046.	8.8	23
21	S-acylation of a geminivirus C4 protein is essential for regulating the CLAVATA pathway in symptom determination. Journal of Experimental Botany, 2018, 69, 4459-4468.	4.8	62
22	A SUMO Ligase AtMMS21 Regulates the Stability of the Chromatin Remodeler BRAHMA in Root Development. Plant Physiology, 2017, 173, 1574-1582.	4.8	34
23	A novel Zea mays ssp. mexicana L. MYC-type ICE-like transcription factor gene ZmmICE1, enhances freezing tolerance in transgenic Arabidopsis thaliana. Plant Physiology and Biochemistry, 2017, 113, 78-88.	5.8	51
24	The LEA protein, ABR, is regulated by ABI5 and involved in dark-induced leaf senescence in Arabidopsis thaliana. Plant Science, 2016, 247, 93-103.	3.6	58
25	The Arabidopsis SUMO E3 Ligase AtMMS21 Dissociates the E2Fa/DPa Complex in Cell Cycle Regulation. Plant Cell, 2016, 28, 2225-2237.	6.6	43
26	A Putative Chloroplast-Localized Ca 2+ /H + Antiporter CCHA1 Is Involved in Calcium and pH Homeostasis and Required for PSII Function in Arabidopsis. Molecular Plant, 2016, 9, 1183-1196.	8.3	59
27	Jasmonate complements the function of Arabidopsis lipoxygenase3 in salinity stress response. Plant Science, 2016, 244, 1-7.	3.6	64
28	Functional characterization of DnSIZ1, a SIZ/PIAS-type SUMO E3 ligase from Dendrobium. BMC Plant Biology, 2015, 15, 225.	3.6	27
29	Two homologous proteinS-acyltransferases, PAT13 and PAT14, cooperatively regulate leaf senescence inArabidopsis. Journal of Experimental Botany, 2015, 66, 6345-6353.	4.8	34
30	OsAGSW1, an ABC1-like kinase gene, is involved in the regulation of grain size and weight in rice. Journal of Experimental Botany, 2015, 66, 5691-5701.	4.8	17
31	AtMMS21 regulates DNA damage response and homologous recombination repair in Arabidopsis. DNA Repair, 2014, 21, 140-147.	2.8	31
32	BSCTV C2 Attenuates the Degradation of SAMDC1 to Suppress DNA Methylation-Mediated Gene Silencing in Arabidopsis Â Â. Plant Cell, 2011, 23, 273-288.	6.6	201
33	Involvement of C4 Protein of Beet Severe Curly Top Virus (Family Geminiviridae) in Virus Movement. PLoS ONE, 2010, 5, e11280.	2.5	68
34	RKP, a RING finger E3 ligase induced by BSCTV C4 protein, affects geminivirus infection by regulation of the plant cell cycle. Plant Journal, 2009, 57, 905-917.	5.7	127