Jian-Xiang Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1077829/publications.pdf

Version: 2024-02-01

51 papers	4,560 citations	186265 28 h-index	182427 51 g-index
51 all docs	51 docs citations	51 times ranked	4334 citing authors

#	Article	IF	Citations
1	Endoplasmic Reticulum Protein Quality Control and Its Relationship to Environmental Stress Responses in Plants. Plant Cell, 2010, 22, 2930-2942.	6.6	413
2	Heat induces the splicing by IRE1 of a mRNA encoding a transcription factor involved in the unfolded protein response in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7247-7252.	7.1	405
3	Salt stress responses in Arabidopsis utilize a signal transduction pathway related to endoplasmic reticulum stress signaling. Plant Journal, 2007, 51, 897-909.	5.7	401
4	An Endoplasmic Reticulum Stress Response in Arabidopsis Is Mediated by Proteolytic Processing and Nuclear Relocation of a Membrane-Associated Transcription Factor, bZIP28. Plant Cell, 2008, 19, 4111-4119.	6.6	394
5	bZIP28 and NF-Y Transcription Factors Are Activated by ER Stress and Assemble into a Transcriptional Complex to Regulate Stress Response Genes in Arabidopsis Â Â. Plant Cell, 2010, 22, 782-796.	6.6	356
6	A Novel QTL qTGW3 Encodes the GSK3/SHAGGY-Like Kinase OsGSK5/OsSK41 that Interacts with OsARF4 to Negatively Regulate Grain Size and Weight in Rice. Molecular Plant, 2018, 11, 736-749.	8.3	201
7	The Membrane-Associated Transcription Factor NAC089 Controls ER-Stress-Induced Programmed Cell Death in Plants. PLoS Genetics, 2014, 10, e1004243.	3.5	178
8	Regulation and processing of a plant peptide hormone, AtRALF23, in Arabidopsis. Plant Journal, 2009, 59, 930-939.	5.7	174
9	Managing the protein folding demands in the endoplasmic reticulum of plants. New Phytologist, 2016, 211, 418-428.	7.3	165
10	Proteolytic processing of a precursor protein for a growthâ€promoting peptide by a subtilisin serine protease in Arabidopsis. Plant Journal, 2008, 56, 219-227.	5.7	134
11	Tissue-Specific Transcriptomics Reveals an Important Role of the Unfolded Protein Response in Maintaining Fertility upon Heat Stress in Arabidopsis. Plant Cell, 2017, 29, 1007-1023.	6.6	130
12	A membraneâ€associated NAC transcription factor OsNTL3 is involved in thermotolerance in rice. Plant Biotechnology Journal, 2020, 18, 1317-1329.	8.3	126
13	Stressâ€induced expression of an activated form of AtbZIP17 provides protection from salt stress in Arabidopsis. Plant, Cell and Environment, 2008, 31, 1735-1743.	5.7	116
14	A plasma membraneâ€tethered transcription factor, <scp>NAC</scp>062/<scp>ANAC</scp>062/<scp>NTL</scp>6, mediates the unfolded protein response in Arabidopsis. Plant Journal, 2014, 79, 1033-1043.	5.7	113
15	The plantâ€specific transcription factor gene <scp>NAC</scp>103 is induced by b<scp>ZIP</scp>60 through a new cisâ€regulatory element to modulate the unfolded protein response in <scp>A</scp>rabidopsis. Plant Journal, 2013, 76, 274-286.	5.7	110
16	Conservation of IRE1-Regulated bZIP74 mRNA Unconventional Splicing in Rice (Oryza sativa L.) Involved in ER Stress Responses. Molecular Plant, 2012, 5, 504-514.	8.3	106
17	Transcription factor interaction with COMPASS-like complex regulates histone H3K4 trimethylation for specific gene expression in plants. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2900-2905.	7.1	106
18	Transcriptomic Analysis of Cadmium Stress Response in the Heavy Metal Hyperaccumulator Sedum alfredii Hance. PLoS ONE, 2013, 8, e64643.	2.5	100

#	Article	IF	Citations
19	Two B-Box Domain Proteins, BBX18 and BBX23, Interact with ELF3 and Regulate Thermomorphogenesis in Arabidopsis. Cell Reports, 2018, 25, 1718-1728.e4.	6.4	91
20	Protein Quality Control in Plant Organelles: Current Progress and Future Perspectives. Molecular Plant, 2021, 14, 95-114.	8.3	77
21	Reversible and Irreversible Drought-Induced Changes in the Anther Proteome of Rice (Oryza sativa L.) Genotypes IR64 and Moroberekan. Molecular Plant, 2011, 4, 59-69.	8.3	65
22	The Lumen-Facing Domain Is Important for the Biological Function and Organelle-to-Organelle Movement of bZIP28 during ER Stress in Arabidopsis. Molecular Plant, 2013, 6, 1605-1615.	8.3	59
23	Membraneâ€associated transcription factor peptidase, siteâ€2 protease, antagonizes ABA signaling in Arabidopsis. New Phytologist, 2015, 208, 188-197.	7.3	46
24	Cellulose synthesis genes CESA6 and CSI1 are important for salt stress tolerance in Arabidopsis. Journal of Integrative Plant Biology, 2016, 58, 623-626.	8.5	45
25	Chromatin remodeling factors regulate environmental stress responses in plants. Journal of Integrative Plant Biology, 2021, 63, 438-450.	8.5	42
26	XBAT31 regulates thermoresponsive hypocotyl growth through mediating degradation of the thermosensor ELF3 in Arabidopsis. Science Advances, 2021, 7, .	10.3	42
27	Histone H3K4 methyltransferases SDG25 and ATX1 maintain heatâ€stress gene expression during recovery in Arabidopsis. Plant Journal, 2021, 105, 1326-1338.	5.7	41
28	Site-1 protease cleavage site is important for the ER stress-induced activation of membrane-associated transcription factor bZIP28 in Arabidopsis. Science China Life Sciences, 2015, 58, 270-275.	4.9	35
29	The Î²5 subunit is essential for intact 26S proteasome assembly to specifically promote plant autotrophic growth under salt stress. New Phytologist, 2019, 221, 1359-1368.	7.3	32
30	The E3 ligase XBAT35 mediates thermoresponsive hypocotyl growth by targeting ELF3 for degradation in Arabidopsis. Journal of Integrative Plant Biology, 2021, 63, 1097-1103.	8.5	24
31	Identification and characterization of Os<scp>EBS</scp>, a gene involved in enhanced plant biomass and spikelet number in rice. Plant Biotechnology Journal, 2013, 11, 1044-1057.	8.3	23
32	bZIP17 regulates heat stress tolerance at reproductive stage in Arabidopsis. ABIOTECH, 2022, 3, 1-11.	3.9	22
33	Ectopic overexpression of a membraneâ€tethered transcription factor gene NAC60 from oilseed rape positively modulates programmed cell death and ageâ€triggered leaf senescence. Plant Journal, 2021, 105, 600-618.	5.7	21
34	Overexpression of an Arabidopsis gene encoding a subtilase (AtSBT5.4) produces a clavata-like phenotype. Planta, 2009, 230, 687-697.	3.2	20
35	Two B-box domain proteins, BBX28 and BBX29, regulate flowering time at low ambient temperature in Arabidopsis. Plant Molecular Biology, 2021, 106, 21-32.	3.9	17
36	Timing to grow: roles of clock in thermomorphogenesis. Trends in Plant Science, 2021, 26, 1248-1257.	8.8	16

#	Article	IF	Citations
37	BLISTER-regulated vegetative growth is dependent on the protein kinase domain of ER stress modulator IRE1A in Arabidopsis thaliana. PLoS Genetics, 2019, 15, e1008563.	3.5	15
38	Salt stress signaling in Arabidopsis thaliana involves a membrane-bound transcription factor AtbZIP17 as a signal transducer. Plant Signaling and Behavior, 2008, 3, 56-57.	2.4	14
39	NAC103, a NAC family transcription factor, regulates ABA response during seed germination and seedling growth in Arabidopsis. Planta, 2020, 252, 95.	3.2	14
40	Mutation of DELAYED GREENING1 impairs chloroplast RNA editing at elevated ambient temperature in Arabidopsis. Journal of Genetics and Genomics, 2020, 47, 201-212.	3.9	14
41	REVEILLE 7 inhibits the expression of the circadian clock gene EARLY FLOWERING 4 to fineâ€tune hypocotyl growth in response to warm temperatures. Journal of Integrative Plant Biology, 2022, 64, 1310-1324.	8.5	9
42	Chromatin remodeling factor CHR18 interacts with replication protein RPA1A to regulate the DNA replication stress response in Arabidopsis. New Phytologist, 2018, 220, 476-487.	7.3	8
43	Quantitative Proteomic Analysis of ER Stress Response Reveals both Common and Specific Features in Two Contrasting Ecotypes of Arabidopsis thaliana. International Journal of Molecular Sciences, 2020, 21, 9741.	4.1	8
44	Hypoxia alters testis development in neonatal rats. Neuroendocrinology Letters, 2002, 23, 231-7.	0.2	7
45	Gene delivery strategies for therapeutic proteins production in plants: Emerging opportunities and challenges. Biotechnology Advances, 2022, 54, 107845.	11.7	6
46	Regulation of Chloroplast Development and Function at Adverse Temperatures in Plants. Plant and Cell Physiology, 2022, , .	3.1	6
47	The FtsH-Inactive Protein FtsHi5 Is Required for Chloroplast Development and Protein Accumulation in Chloroplasts at Low Ambient Temperature in Arabidopsis. Frontiers in Plant Science, 2021, 12, 830390.	3.6	5
48	Phosphoproteomic Analysis of Thermomorphogenic Responses in Arabidopsis. Frontiers in Plant Science, 2021, 12, 753148.	3.6	3
49	Roles of plant hormones in thermomorphogenesis. Stress Biology, 2021, 1, .	3.1	2
50	UBA domain protein SUF1 interacts with NatAâ€complex subunit NAA15 to regulate thermotolerance in Arabidopsis. Journal of Integrative Plant Biology, 2022, 64, 1297-1302.	8.5	2
51	NMDA receptor antagonists reduce restraint-induced release of prolactin in male rats. Neuroendocrinology Letters, 2003, 24, 435-9.	0.2	1