

Shi Xiao

List of Publications by Year in descending order

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59
papers

8,345
citations

117625

34
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128289

60
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61
all docs

61
docs citations

61
times ranked

17047
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Overexpression of <i>Arabidopsis</i> Acyl-CoA Binding Protein ACBP3 Promotes Starvation-Induced and Age-Dependent Leaf Senescence. <i>Plant Cell</i> , 2010, 22, 1463-1482.	6.6	225
3	Comparative transcriptome analysis of transporters, phytohormone and lipid metabolism pathways in response to arsenic stress in rice (<i>Oryza sativa</i>). <i>New Phytologist</i> , 2012, 195, 97-112.	7.3	193
4	COS1: An <i>Arabidopsis</i> coronatine insensitive1 Suppressor Essential for Regulation of Jasmonate-Mediated Plant Defense and Senescence. <i>Plant Cell</i> , 2004, 16, 1132-1142.	6.6	163
5	Proteogenomic analysis reveals alternative splicing and translation as part of the abscisic acid response in <i>Arabidopsis</i> seedlings. <i>Plant Journal</i> , 2017, 91, 518-533.	5.7	156
6	OsARM1, an R2R3 MYB Transcription Factor, Is Involved in Regulation of the Response to Arsenic Stress in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1868.	3.6	150
7	Overexpression of the <i>Arabidopsis</i> 10-Kilodalton Acyl-Coenzyme A-Binding Protein ACBP6 Enhances Freezing Tolerance. <i>Plant Physiology</i> , 2008, 148, 304-315.	4.8	146
8	Community recommendations on terminology and procedures used in flooding and low oxygen stress research. <i>New Phytologist</i> , 2017, 214, 1403-1407.	7.3	146
9	Autophagy contributes to regulation of the hypoxia response during submergence in <i>Arabidopsis thaliana</i> . <i>Autophagy</i> , 2015, 11, 2233-2246.	9.1	143
10	S-Nitrosylation Targets GSNO Reductase for Selective Autophagy during Hypoxia Responses in Plants. <i>Molecular Cell</i> , 2018, 71, 142-154.e6.	9.7	135
11	The AMP-Activated Protein Kinase KIN10 Is Involved in the Regulation of Autophagy in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1201.	3.6	118
12	TRAF Family Proteins Regulate Autophagy Dynamics by Modulating AUTOPHAGY PROTEIN6 Stability in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2017, 29, 890-911.	6.6	108
13	DIACYLGLYCEROL ACYLTRANSFERASE and DIACYLGLYCEROL KINASE Modulate Triacylglycerol and Phosphatidic Acid Production in the Plant Response to Freezing Stress. <i>Plant Physiology</i> , 2018, 177, 1303-1318.	4.8	108
14	Autophagy regulates glucose-mediated root meristem activity by modulating ROS production in <i>Arabidopsis</i> . <i>Autophagy</i> , 2019, 15, 407-422.	9.1	102
15	Overexpression of <i>Arabidopsis</i> ACBP3 Enhances NPR1-Dependent Plant Resistance to <i>Pseudomonas syringae</i> pv <i>tomato</i> DC3000. <i>Plant Physiology</i> , 2011, 156, 2069-2081.	4.8	101
16	Jasmonate Regulates Plant Responses to Postsubmergence Reoxygenation through Transcriptional Activation of Antioxidant Synthesis. <i>Plant Physiology</i> , 2017, 173, 1864-1880.	4.8	98
17	The <i>Arabidopsis</i> 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
18	Genetic Analyses of the <i>Arabidopsis</i> ATG1 Kinase Complex Reveal Both Kinase-Dependent and Independent Autophagic Routes during Fixed-Carbon Starvation. <i>Plant Cell</i> , 2019, 31, 2973-2995.	6.6	97

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19	Unsaturation of Very-Long-Chain Ceramides Protects Plant from Hypoxia-Induced Damages by Modulating Ethylene Signaling in Arabidopsis. <i>PLoS Genetics</i> , 2015, 11, e1005143.	3.5	86
20	Arabidopsis acyl-CoA-binding protein ACBP3 participates in plant response to hypoxia by modulating very-long-chain fatty acid metabolism. <i>Plant Journal</i> , 2015, 81, 53-67.	5.7	84
21	Arabidopsis membrane-associated acyl-CoA-binding protein ACBP1 is involved in stem cuticle formation. <i>Journal of Experimental Botany</i> , 2014, 65, 5473-5483.	4.8	74
22	Autophagy in plants: Physiological roles and post-translational regulation. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 161-179.	8.5	72
23	Mitigation of Cd accumulation in paddy rice (<i>Oryza sativa</i> L.) by Fe fertilization. <i>Environmental Pollution</i> , 2017, 231, 549-559.	7.5	68
24	Jasmonate complements the function of Arabidopsis lipoxygenase3 in salinity stress response. <i>Plant Science</i> , 2016, 244, 1-7.	3.6	64
25	Disruption of the Arabidopsis Defense Regulator Genes SAG101, EDS1, and PAD4 Confers Enhanced Freezing Tolerance. <i>Molecular Plant</i> , 2015, 8, 1536-1549.	8.3	55
26	Arabidopsis SINAT Proteins Control Autophagy by Mediating Ubiquitylation and Degradation of ATG13. <i>Plant Cell</i> , 2020, 32, 263-284.	6.6	53
27	Full-Length Transcript-Based Proteogenomics of Rice Improves Its Genome and Proteome Annotation. <i>Plant Physiology</i> , 2020, 182, 1510-1526.	4.8	53
28	OsCER1 Plays a Pivotal Role in Very-Long-Chain Alkane Biosynthesis and Affects Plastid Development and Programmed Cell Death of Tapetum in Rice (<i>Oryza sativa</i> L.). <i>Frontiers in Plant Science</i> , 2018, 9, 1217.	3.6	51
29	Alternative splicing and translation play important roles in hypoxic germination in rice. <i>Journal of Experimental Botany</i> , 2019, 70, 817-833.	4.8	51
30	Brassinosteroids Antagonize Jasmonate-Activated Plant Defense Responses through BRI1-EMS-SUPPRESSOR1 (BES1). <i>Plant Physiology</i> , 2020, 182, 1066-1082.	4.8	48
31	SINAT E3 Ubiquitin Ligases Mediate FREE1 and VPS23A Degradation to Modulate Abscisic Acid Signaling. <i>Plant Cell</i> , 2020, 32, 3290-3310.	6.6	46
32	Mechanisms of Fe biofortification and mitigation of Cd accumulation in rice (<i>Oryza sativa</i> L.) grown hydroponically with Fe chelate fertilization. <i>Chemosphere</i> , 2017, 175, 275-285.	8.2	42
33	Natural variation in the promoter of rice calcineurin B-like protein 10 (<i>OsCBL10</i>) affects flooding tolerance during seed germination among rice subspecies. <i>Plant Journal</i> , 2018, 94, 612-625.	5.7	42
34	New insights into the role of lipids in plant hypoxia responses. <i>Progress in Lipid Research</i> , 2021, 81, 101072.	11.6	37
35	SWATH-MS quantitative proteomic investigation of nitrogen starvation in Arabidopsis reveals new aspects of plant nitrogen stress responses. <i>Journal of Proteomics</i> , 2018, 187, 161-170.	2.4	32
36	Polyunsaturated linolenoyl-CoA modulates ERF1-mediated hypoxia signaling in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 330-348.	8.5	32

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37	Phosphatidic acid modulates MPK3- and MPK6-mediated hypoxia signaling in Arabidopsis. <i>Plant Cell</i> , 2022, 34, 889-909.	6.6	31
38	Loss of alkaline ceramidase inhibits autophagy in Arabidopsis and plays an important role during environmental stress response. <i>Plant, Cell and Environment</i> , 2018, 41, 837-849.	5.7	30
39	Arabidopsis HSP70 is required for flower opening under normal or mild heat stress temperatures. <i>Plant, Cell and Environment</i> , 2019, 42, 1190-1204.	5.7	30
40	Plasma membrane-nucleo-cytoplasmic coordination of a receptor-like cytoplasmic kinase promotes EDS1-dependent plant immunity. <i>Nature Plants</i> , 2022, 8, 802-816.	9.3	30
41	SINAT E3 ligases regulate the stability of the ESCRT component FREE1 in response to iron deficiency in plants. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1399-1417.	8.5	25
42	Long-Chain acyl-CoA Synthetase LACS2 Contributes to Submergence Tolerance by Modulating Cuticle Permeability in Arabidopsis. <i>Plants</i> , 2020, 9, 262.	3.5	20
43	The immune components ENHANCED DISEASE SUSCEPTIBILITY 1 and PHYTOALEXIN DEFICIENT 4 are required for cell death caused by overaccumulation of ceramides in Arabidopsis. <i>Plant Journal</i> , 2021, 107, 1447-1465.	5.7	19
44	Fast-Suppressor Screening for New Components in Protein Trafficking, Organelle Biogenesis and Silencing Pathway in Arabidopsis thaliana Using DEX-Inducible FREE1-RNAi Plants. <i>Journal of Genetics and Genomics</i> , 2015, 42, 319-330.	3.9	18
45	Biological aqua crust mitigates metal(loid) pollution and the underlying immobilization mechanisms. <i>Water Research</i> , 2021, 190, 116736.	11.3	17
46	Phloem unloading via the apoplastic pathway is essential for shoot distribution of root-synthesized cytokinins. <i>Plant Physiology</i> , 2021, 186, 2111-2123.	4.8	16
47	The receptor-like cytoplasmic kinase CDG1 negatively regulates Arabidopsis pattern-triggered immunity and is involved in AvrRpm1-induced RIN4 phosphorylation. <i>Plant Cell</i> , 2021, 33, 1341-1360.	6.6	15
48	Plant elicitor peptide signalling confers rice resistance to piercing-sucking insect herbivores and pathogens. <i>Plant Biotechnology Journal</i> , 2022, 20, 991-1005.	8.3	15
49	Evolution and Expression of the Membrane Attack Complex and Perforin Gene Family in the Poaceae. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5736.	4.1	14
50	Identification and Expression of the Multidrug and Toxic Compound Extrusion (MATE) Gene Family in <i>Capsicum annuum</i> and <i>Solanum tuberosum</i> . <i>Plants</i> , 2020, 9, 1448.	3.5	12
51	The β -ketoacyl-CoA synthase KCS13 regulates the cold response in cotton by modulating lipid and oxylipin biosynthesis. <i>Journal of Experimental Botany</i> , 2020, 71, 5615-5630.	4.8	12
52	TRAF proteins as key regulators of plant development and stress responses. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 431-448.	8.5	12
53	The Anaerobic Product Ethanol Promotes Autophagy-Dependent Submergence Tolerance in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7361.	4.1	10
54	Transgenic Arabidopsis thaliana containing increased levels of ATP and sucrose is more susceptible to <i>Pseudomonas syringae</i> . <i>PLoS ONE</i> , 2017, 12, e0171040.	2.5	9

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55	The plant ESCRT component FREE1 regulates peroxisome-mediated turnover of lipid droplets in germinating <i>Arabidopsis</i> seedlings. <i>Plant Cell</i> , 2022, 34, 4255-4273.	6.6	9
56	Jasmonates modulate sphingolipid metabolism and accelerate cell death in the ceramide kinase mutant <i>acd5</i> . <i>Plant Physiology</i> , 2021, 187, 1713-1727.	4.8	8
57	Analysis of Plant Autophagy. <i>Methods in Molecular Biology</i> , 2017, 1662, 267-280.	0.9	7
58	<i>Arabidopsis thaliana</i> Plants Engineered To Produce Astaxanthin Show Enhanced Oxidative Stress Tolerance and Bacterial Pathogen Resistance. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12590-12598.	5.2	5
59	Potential role of salicylic acid in modulating diacylglycerol homeostasis in response to freezing temperatures in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2015, 10, e1082698.	2.4	2