Bing Liu

List of Publications by Year in descending order

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24 papers	2,035 citations	430874 18 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	2894 citing authors

#	Article	IF	Citations
1	A highly efficient rice green tissue protoplast system for transient gene expression and studying light/chloroplast-related processes. Plant Methods, 2011, 7, 30.	4.3	741
2	Lysin Motifâ€“Containing Proteins LYP4 and LYP6 Play Dual Roles in Peptidoglycan and Chitin Perception in Rice Innate Immunity. Plant Cell, 2012, 24, 3406-3419.	6.6	277
3	The bHLH Transcription Factor bHLH104 Interacts with IAA-LEUCINE RESISTANT3 and Modulates Iron Homeostasis in Arabidopsis. Plant Cell, 2015, 27, 787-805.	6.6	219
4	Os<scp>CERK</scp>1 and Os<scp>RLCK</scp>176 play important roles in peptidoglycan and chitin signaling in rice innate immunity. Plant Journal, 2014, 80, 1072-1084.	5.7	158
5	HYPERSENSITIVE TO HIGH LIGHT1 Interacts with LOW QUANTUM YIELD OF PHOTOSYSTEM II1 and Functions in Protection of Photosystem II from Photodamage in Arabidopsis. Plant Cell, 2014, 26, 1213-1229.	6.6	87
6	Evidence for a Role of Chloroplastic m-Type Thioredoxins in the Biogenesis of Photosystem II in Arabidopsis. Plant Physiology, 2013, 163, 1710-1728.	4.8	78
7	A Tyrosine Phosphorylation Cycle Regulates Fungal Activation of a Plant Receptor Ser/Thr Kinase. Cell Host and Microbe, 2018, 23, 241-253.e6.	11.0	72
8	Thioredoxin and NADPH-Dependent Thioredoxin Reductase C Regulation of Tetrapyrrole Biosynthesis. Plant Physiology, 2017, 175, 652-666.	4.8	53
9	Optimization of Light-Harvesting Pigment Improves Photosynthetic Efficiency. Plant Physiology, 2016, 172, 1720-1731.	4.8	47
10	Ferredoxin:Thioredoxin Reductase Is Required for Proper Chloroplast Development and Is Involved in the Regulation of Plastid Gene Expression in Arabidopsis thaliana. Molecular Plant, 2014, 7, 1586-1590.	8.3	37
11	M-type thioredoxins are involved in the xanthophyll cycle and proton motive force to alter NPQ under low-light conditions in Arabidopsis. Plant Cell Reports, 2018, 37, 279-291.	5.6	37
12	LOW PHOTOSYNTHETIC EFFICIENCY 1 is required for light-regulated photosystem II biogenesis in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6075-E6084.	7.1	33
13	OsRLCK 57, OsRLCK107 and OsRLCK118 Positively Regulate Chitin- and PGN-Induced Immunity in Rice. Rice, 2017, 10, 6.	4.0	32
14	OsLYP4 and OsLYP6 play critical roles in rice defense signal transduction. Plant Signaling and Behavior, 2013, 8, e22980.	2.4	25
15	OsPFA-DSP1, a rice protein tyrosine phosphatase, negatively regulates drought stress responses in transgenic tobacco and rice plants. Plant Cell Reports, 2012, 31, 1021-1032.	5.6	24
16	BIK1 cooperates with BAK1 to regulate constitutive immunity and cell death in Arabidopsis. Journal of Integrative Plant Biology, 2017, 59, 234-239.	8.5	22
17	Rice MAPK phosphatase IBR5 negatively regulates drought stress tolerance in transgenic Nicotiana tabacum. Plant Science, 2012, 188-189, 10-18.	3.6	21
18	Musa paradisica RCI complements AtRCI and confers Na+ tolerance and K+ sensitivity in Arabidopsis. Plant Science, 2012, 184, 102-111.	3.6	20

#	Article	IF	Citations
19	The juxtamembrane domains of Arabidopsis CERK1, BAK1, and FLS2 play a conserved role in chitinâ€induced signaling. Journal of Integrative Plant Biology, 2020, 62, 556-562.	8.5	18
20	SQUINT Positively Regulates Resistance to the Pathogen Botrytis cinerea via miR156â€“SPL9 Module in Arabidopsis. Plant and Cell Physiology, 2022, 63, 1414-1432.	3.1	13
21	The Iron Deficiency Response Regulators IAA-LEUCINE RESISTANT3 and bHLH104 Possess Different Targets and Have Distinct Effects on Photosynthesis in Arabidopsis. Journal of Plant Biology, 2019, 62, 109-119.	2.1	10
22	BIK1 and ERECTA Play Opposing Roles in Both Leaf and Inflorescence Development in Arabidopsis. Frontiers in Plant Science, 2019, 10, 1480.	3.6	7
23	OTP970 Is Required for RNA Editing of Chloroplast ndhB Transcripts in Arabidopsis thaliana. Genes, 2022, 13, 139.	2.4	4
24	The Zygotic Division Regulator ZAR1 Plays a Negative Role in Defense Against Botrytis cinerea in Arabidopsis. Frontiers in Plant Science, 2021, 12, 736560.	3.6	0