Ming-yi Bai

List of Publications by Year
in descending order

36 papers	4,405 citations	331670 21 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	4618 citing authors

#	Article	IF	Citations
1	Integration of Brassinosteroid Signal Transduction with the Transcription Network for Plant Growth Regulation in Arabidopsis. Developmental Cell, 2010, 19, 765-777.	7.0	790
2	Brassinosteroid, gibberellin and phytochrome impinge on a common transcription module in Arabidopsis. Nature Cell Biology, 2012, 14, 810-817.	10.3	549
3	Cell elongation is regulated through a central circuit of interacting transcription factors in the Arabidopsis hypocotyl. ELife, 2014, 3, .	6.0	464
4	Brassinosteroid Signaling Network and Regulation of Photomorphogenesis. Annual Review of Genetics, 2012, 46, 701-724.	7.6	410
5	Functions of OsBZR1 and 14-3-3 proteins in brassinosteroid signaling in rice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13839-13844.	7.1	362
6	A Triple Helix-Loop-Helix/Basic Helix-Loop-Helix Cascade Controls Cell Elongation Downstream of Multiple Hormonal and Environmental Signaling Pathways in<i>Arabidopsis</i>Â Â. Plant Cell, 2013, 24, 4917-4929.	6.6	197
7	The bHLH Transcription Factor HBI1 Mediates the Trade-Off between Growth and Pathogen-Associated Molecular Patternâ€“Triggered Immunity in <i>Arabidopsis</i> Â Â. Plant Cell, 2014, 26, 828-841.	6.6	191
8	Hydrogen peroxide positively regulates brassinosteroid signaling through oxidation of the BRASSINAZOLE-RESISTANT1 transcription factor. Nature Communications, 2018, 9, 1063.	12.8	169
9	Brassinosteroids regulate organ boundary formation in the shoot apical meristem of <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21152-21157.	7.1	156
10	Brassinosteroids regulate root growth by controlling reactive oxygen species homeostasis and dual effect on ethylene synthesis in Arabidopsis. PLoS Genetics, 2018, 14, e1007144.	3.5	152
11	The brassinosteroid signaling network â€” a paradigm of signal integration. Current Opinion in Plant Biology, 2014, 21, 147-153.	7.1	135
12	BZS1, a B-box Protein, Promotes Photomorphogenesis Downstream of Both Brassinosteroid and Light Signaling Pathways. Molecular Plant, 2012, 5, 591-600.	8.3	131
13	Auxin-BR Interaction Regulates Plant Growth and Development. Frontiers in Plant Science, 2017, 8, 2256.	3.6	92
14	A GmSIN1/GmNCED3s/GmRbohBs Feed-Forward Loop Acts as a Signal Amplifier That Regulates Root Growth in Soybean Exposed to Salt Stress. Plant Cell, 2019, 31, 2107-2130.	6.6	87
15	Repression of callus initiation by the mi<scp>RNA</scp>â€directed interaction of auxinâ€“cytokinin in <i>Arabidopsis thaliana</i>. Plant Journal, 2016, 87, 391-402.	5.7	56
16	Brassinosteroids Antagonize Jasmonate-Activated Plant Defense Responses through BRI1-EMS-SUPPRESSOR1 (BES1). Plant Physiology, 2020, 182, 1066-1082.	4.8	48
17	KIN10 promotes stomatal development through stabilization of the SPEECHLESS transcription factor. Nature Communications, 2020, 11, 4214.	12.8	48
18	Gibberellin repression of axillary bud formation in <i>Arabidopsis</i> by modulation of DELLAâ€SPL9 complex activity. Journal of Integrative Plant Biology, 2020, 62, 421-432.	8.5	47

#	Article	IF	Citations
19	Brassinosteroid and Hydrogen Peroxide Interdependently Induce Stomatal Opening by Promoting Guard Cell Starch Degradation. Plant Cell, 2020, 32, 984-999.	6.6	45
20	HBI transcription factor-mediated ROS homeostasis regulates nitrate signal transduction. Plant Cell, 2021, 33, 3004-3021.	6.6	37
21	The miR396-GRFs Module Mediates the Prevention of Photo-oxidative Damage by Brassinosteroids during Seedling De-Etiolation in Arabidopsis. Plant Cell, 2020, 32, 2525-2542.	6.6	28
22	Interaction between BZR1 and EIN3 mediates signalling crosstalk between brassinosteroids and ethylene. New Phytologist, 2021, 232, 2308-2323.	7.3	25
23	<i>AGLF</i> provides C-function in floral organ identity through transcriptional regulation of <i>AGAMOUS</i> in <i>Medicago truncatula</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5176-5181.	7.1	20
24	Cyclophilin OsCYP20â€2 with a novel variant integrates defense and cell elongation for chilling response in rice. New Phytologist, 2020, 225, 2453-2467.	7.3	19
25	Diverse roles of SERK family genes in plant growth, development and defense response. Science China Life Sciences, 2016, 59, 889-896.	4.9	17
26	TOR and SnRK1 fine tune SPEECHLESS transcription and protein stability to optimize stomatal development in response to exogenously supplied sugar. New Phytologist, 2022, 234, 107-121.	7.3	17
27	TOR promotes guard cell starch degradation by regulating the activity of Î²-AMYLASE1 in Arabidopsis. Plant Cell, 2022, 34, 1038-1053.	6.6	16
28	HBI1â€TCP20 interaction positively regulates the CEPsâ€mediated systemic nitrate acquisition. Journal of Integrative Plant Biology, 2021, 63, 902-912.	8.5	14
29	Integrated regulation of periclinal cell division by transcriptional module of BZR1â€SHR in <i>Arabidopsis</i> roots. New Phytologist, 2022, 233, 795-808.	7.3	13
30	The BZR1-EDS1 module regulates plant growth-defense coordination. Molecular Plant, 2021, 14, 2072-2087.	8.3	11
31	BZR1 Physically Interacts with SPL9 to Regulate the Vegetative Phase Change and Cell Elongation in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 10415.	4.1	11
32	GmBZL3 acts as a major BR signaling regulator through crosstalk with multiple pathways in Glycine max. BMC Plant Biology, 2019, 19, 86.	3.6	10
33	The CCCH zinc finger protein C3H15 negatively regulates cell elongation by inhibiting brassinosteroid signaling. Plant Physiology, 2022, 189, 285-300.	4.8	10
34	Brassinosteroid homeostasis is critical for the functionality of the <i>Medicago truncatula</i> pulvinus. Plant Physiology, 2021, 185, 1745-1763.	4.8	8
35	Brassinosteroid signaling restricts root lignification by antagonizing SHORT-ROOT function in Arabidopsis. Plant Physiology, 2022, 190, 1182-1198.	4.8	8
36	Phospho-Mutant Activity Assays Provide Evidence for the Negative Regulation of Transcriptional Regulator PRE1 by Phosphorylation. International Journal of Molecular Sciences, 2020, 21, 9183.	4.1	1