

Yan Bao

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,467
citations

471509

17
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

3778
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overclock 10 Tf 50,742 1,430	9.1	10
2	The woody plant poplar has a functionally conserved salt overly sensitive pathway in response to salinity stress. <i>Plant Molecular Biology</i> , 2010, 74, 367-380.	3.9	120
3	<sc>IRE</sc>1, a component of the unfolded protein response signaling pathway, protects pollen development in <i>Arabidopsis</i> from heat stress. <i>Plant Journal</i> , 2016, 88, 193-204.	5.7	113
4	The Unfolded Protein Response Supports Plant Development and Defense as well as Responses to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 344.	3.6	74
5	COST1 regulates autophagy to control plant drought tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7482-7493.	7.1	71
6	IRE1B degrades RNAs encoding proteins that interfere with the induction of autophagy by ER stress in <i>Arabidopsis thaliana</i>. <i>Autophagy</i> , 2018, 14, 1562-1573.	9.1	66
7	The tumor necrosis factor receptor-associated factor (TRAF)-like family protein SEVEN IN ABSENTIA 2 (SINA2) promotes drought tolerance in an <sc>ABA</sc>-dependent manner in <sc>A</sc>rabidopsis. <i>New Phytologist</i> , 2014, 202, 174-187.	7.3	64
8	Overexpression of <i>Populus trichocarpa</i> <sc>CYP</sc>85A3</i> promotes growth and biomass production in transgenic trees. <i>Plant Biotechnology Journal</i> , 2017, 15, 1309-1321.	8.3	58
9	Simultaneous regulation of <i>F5H</i> in <sc>COMT</sc>-<sc>RNA</sc> transgenic switchgrass alters effects of <i>COMT</i> suppression on syringyl lignin biosynthesis. <i>Plant Biotechnology Journal</i> , 2019, 17, 836-845.	8.3	54
10	Characterization of <i>Arabidopsis</i> Tubby-like proteins and redundant function of AtTLP3 and AtTLP9 in plant response to ABA and osmotic stress. <i>Plant Molecular Biology</i> , 2014, 86, 471-483.	3.9	51
11	Overexpression of a <i>Populus trichocarpa</i> H ⁺ -pyrophosphatase gene PtVP1.1 confers salt tolerance on transgenic poplar. <i>Tree Physiology</i> , 2015, 35, 663-677.	3.1	45
12	Mutation of 4-coumarate: coenzyme A ligase 1 gene affects lignin biosynthesis and increases the cell wall digestibility in maize brown midrib5 mutants. <i>Biotechnology for Biofuels</i> , 2019, 12, 82.	6.2	40
13	Overexpression of the NDR1/HIN1-Like Gene NHL6 Modifies Seed Germination in Response to Abscisic Acid and Abiotic Stresses in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2016, 11, e0148572.	2.5	39
14	A Functional Unfolded Protein Response Is Required for Normal Vegetative Development. <i>Plant Physiology</i> , 2019, 179, 1834-1843.	4.8	37
15	Subtly Manipulated Expression of ZmmiR156 in Tobacco Improves Drought and Salt Tolerance Without Changing the Architecture of Transgenic Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 1664.	3.6	33
16	PdMYB118, isolated from a red leaf mutant of <i>Populus deltoids</i> , is a new transcription factor regulating anthocyanin biosynthesis in poplar. <i>Plant Cell Reports</i> , 2019, 38, 927-936.	5.6	22
17	Global identification of full-length cassava lncRNAs unveils the role of <i>cold</i>-responsive intergenic lncRNA 1</i> in cold stress response. <i>Plant, Cell and Environment</i> , 2022, 45, 412-426.	5.7	19
18	Introduction of the rice CYP714D1 gene into <i>Populus</i> inhibits expression of its homologous genes and promotes growth, biomass production and xylem fibre length in transgenic trees. <i>Journal of Experimental Botany</i> , 2013, 64, 2847-2857.	4.8	18

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19	Alteration of <i>S</i> -adenosylhomocysteine levels affects lignin biosynthesis in switchgrass. <i>Plant Biotechnology Journal</i> , 2018, 16, 2016-2026.	8.3	17
20	ER-Phagy and Its Role in ER Homeostasis in Plants. <i>Plants</i> , 2020, 9, 1771.	3.5	15
21	Role of Arabidopsis NHL family in ABA and stress response. <i>Plant Signaling and Behavior</i> , 2016, 11, e1180493.	2.4	12
22	COST1 balances plant growth and stress tolerance via attenuation of autophagy. <i>Autophagy</i> , 2020, 16, 1157-1158.	9.1	12
23	Biochemical Methods to Monitor Autophagic Responses in Plants. <i>Methods in Enzymology</i> , 2017, 588, 497-513.	1.0	11
24	Genome-wide association identifies a missing hydrolase for tocopherol synthesis in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
25	Overexpression of NHL6 affects seed production in transgenic Arabidopsis plants. <i>Plant Growth Regulation</i> , 2019, 88, 41-47.	3.4	9
26	Low concentration of corn steep liquor promotes seed germination, plant growth, biomass production and flowering in soybean. <i>Plant Growth Regulation</i> , 2019, 87, 29-37.	3.4	9
27	Links between drought stress and autophagy in plants. <i>Plant Signaling and Behavior</i> , 2020, 15, 1779487.	2.4	8
28	High throughput profiling of tocochromanols in leaves and seeds of Arabidopsis and Maize. <i>Plant Methods</i> , 2020, 16, 126.	4.3	6
29	Using Arabidopsis Mesophyll Protoplasts to Study Unfolded Protein Response Signaling. <i>Bio-protocol</i> , 2018, 8, e3101.	0.4	2
30	Global Characterization of XRN 5â€²-3â€² Exoribonucleases and Their Responses to Environmental Stresses in Plants. <i>Diversity</i> , 2021, 13, 612.	1.7	1
31	Phylogenetics of Molecular Regulators Contributing to Plant Stress Tolerance. <i>Diversity</i> , 2020, 12, 407.	1.7	0