

Mingxun Chen

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

929
citations

471509

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docs citations

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1008
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#	ARTICLE	IF	CITATIONS
1	<i>Seed Fatty Acid Reducer</i> acts downstream of gibberellin signalling pathway to lower seed fatty acid storage in <i>Arabidopsis</i>. <i>Plant, Cell and Environment</i> , 2012, 35, 2155-2169.	5.7	93
2	Functional characterization of a heterologously expressed <i>Brassica napus</i> WRKY41-1 transcription factor in regulating anthocyanin biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 268, 47-53.	3.6	90
3	MYB89 Transcription Factor Represses Seed Oil Accumulation. <i>Plant Physiology</i> , 2017, 173, 1211-1225.	4.8	87
4	The Effect of <i>TRANSPARENT TESTA2</i> on Seed Fatty Acid Biosynthesis and Tolerance to Environmental Stresses during Young Seedling Establishment in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 1023-1036.	4.8	79
5	TRANSPARENT TESTA8 Inhibits Seed Fatty Acid Accumulation by Targeting Several Seed Development Regulators in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2014, 165, 905-916.	4.8	78
6	<i>TRANSPARENT TESTA GLABRA1</i> Regulates the Accumulation of Seed Storage Reserves in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, 391-402.	4.8	71
7	<i>TRANSPARENT TESTA2</i> regulates embryonic fatty acid biosynthesis by targeting <i>FUSCA3</i> during the early developmental stage of <i>Arabidopsis</i> seeds. <i>Plant Journal</i> , 2014, 77, 757-769.	5.7	63
8	Removal of DELLA repression promotes leaf senescence in <i>Arabidopsis</i> . <i>Plant Science</i> , 2014, 219-220, 26-34.	3.6	63
9	MYC2, MYC3, and MYC4 function redundantly in seed storage protein accumulation in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 108, 63-70.	5.8	40
10	MYB76 Inhibits Seed Fatty Acid Accumulation in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 226.	3.6	30
11	<i>TRANSPARENT TESTA 4</i>-mediated flavonoids negatively affect embryonic fatty acid biosynthesis in <i>Arabidopsis</i>. <i>Plant, Cell and Environment</i> , 2018, 41, 2773-2790.	5.7	26
12	Genome-Wide Identification of Direct Targets of the TTG1-bHLH-MYB Complex in Regulating Trichome Formation and Flavonoid Accumulation in <i>Arabidopsis Thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 5014.	4.1	25
13	Melatonin Represses Oil and Anthocyanin Accumulation in Seeds. <i>Plant Physiology</i> , 2020, 183, 898-914.	4.8	25
14	Novel parameters characterizing size distribution of A and B starch granules in the gluten network: Effects on dough stability in bread wheat. <i>Carbohydrate Polymers</i> , 2021, 257, 117623.	10.2	23
15	TRANSPARENT TESTA GLABRA 1 ubiquitously regulates plant growth and development from <i>Arabidopsis</i> to foxtail millet (<i>Setaria italica</i>). <i>Plant Science</i> , 2017, 254, 60-69.	3.6	22
16	Satellite Observations of the Recovery of Forests and Grasslands in Western China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1905-1922.	3.0	20
17	Drought-Induced Carbon and Water Use Efficiency Responses in Dryland Vegetation of Northern China. <i>Frontiers in Plant Science</i> , 2019, 10, 224.	3.6	17
18	<i>Linum usitatissimum</i> FAD2A and FAD3A enhance seed polyunsaturated fatty acid accumulation and seedling cold tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2021, 311, 111014.	3.6	17

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19	Comparison of vitality between seedlings germinated from black-coated and yellow-coated seeds of a turnip rape (<i>Brassica rapa</i> L.) subjected to NaCl and CdCl ₂ stresses. <i>Plant Growth Regulation</i> , 2015, 76, 61-70.	3.4	11
20	Genome-wide identification of GLABRA3 downstream genes for anthocyanin biosynthesis and trichome formation in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 360-365.	2.1	11
21	Genome-wide association study reveals a patatin-like lipase relating to the reduction of seed oil content in <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2021, 21, 6.	3.6	11
22	Overexpression of <i>BnaAGL11</i> , a MADS-Box Transcription Factor, Regulates Leaf Morphogenesis and Senescence in <i>Brassica napus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3420-3434.	5.2	9
23	The effect of BnTT8 on accumulation of seed storage reserves and tolerance to abiotic stresses during <i>Arabidopsis</i> seedling establishment. <i>Plant Growth Regulation</i> , 2017, 82, 271-280.	3.4	8
24	Transcriptome analysis reveals key genes in response to salinity stress during seed germination in <i>Setaria italica</i> . <i>Environmental and Experimental Botany</i> , 2021, 191, 104604.	4.2	8
25	Functional characterization of <i>Brassica napus</i> DNA topoisomerase α -1 and its effect on flowering time when expressed in <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 124-129.	2.1	2
26	The possible role of BnaA10.SOI.a in seed fatty acid biosynthesis of rapeseed. <i>Plant Breeding</i> , 2020, 139, 167-175.	1.9	0