

Qin Zhou

List of Publications by Year in descending order

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47
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331259

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#	ARTICLE	IF	CITATIONS
1	Effects of Cold and Salicylic Acid Priming on Free Proline and Sucrose Accumulation in Winter Wheat Under Freezing Stress. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2171-2184.	2.8	12
2	Metabolomic analysis of the grain pearling fractions of six bread wheat varieties. <i>Food Chemistry</i> , 2022, 369, 130881.	4.2	12
3	Influence of starch physicochemical properties on biscuit-making quality of wheat lines with high-molecular-weight glutenin subunit (HMW-GS) absence. <i>LWT - Food Science and Technology</i> , 2022, 158, 113166.	2.5	11
4	Reducing Nitrogen Rate and Increasing Plant Density Accomplished High Yields with Satisfied Grain Quality of Soft Wheat via Modifying the Free Amino Acid Supply and Storage Protein Gene Expression. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2146-2159.	2.4	7
5	Effects of Nitrogen Fertilizer on Quality Characteristics of Wheat with the Absence of Different Individual High-Molecular-Weight Glutenin Subunits (HMW-GS). <i>International Journal of Molecular Sciences</i> , 2022, 23, 2178.	1.8	8
6	Relationship of Starch Pasting Properties and Dough Rheology, and the Role of Starch in Determining Quality of Short Biscuit. <i>Frontiers in Plant Science</i> , 2022, 13, 829229.	1.7	4
7	Simultaneous Prediction of Wheat Yield and Grain Protein Content Using Multitask Deep Learning from Time-Series Proximal Sensing. <i>Plant Phenomics</i> , 2022, 2022, 9757948.	2.5	28
8	Wheat quality under global climate change: consequences, mechanisms, and countermeasures. , 2022, , 103-135.		0
9	Alleviation of Field Low-Temperature Stress in Winter Wheat by Exogenous Application of Salicylic Acid. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 811-823.	2.8	31
10	Involvement of salicylic acid in cold priming-induced freezing tolerance in wheat plants. <i>Plant Growth Regulation</i> , 2021, 93, 117-130.	1.8	13
11	Crosstalk between hydrogen peroxide and nitric oxide mediates priming-induced drought tolerance in wheat. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 224-235.	1.7	17
12	An Integrated Method for Tracking and Monitoring Stomata Dynamics from Microscope Videos. <i>Plant Phenomics</i> , 2021, 2021, 9835961.	2.5	11
13	Investigation on the Molecular and Physicochemical Changes of Protein and Starch of Wheat Flour during Heating. <i>Foods</i> , 2021, 10, 1419.	1.9	1
14	Increasing plant density improves grain yield, protein quality and nitrogen agronomic efficiency of soft wheat cultivars with reduced nitrogen rate. <i>Field Crops Research</i> , 2021, 267, 108145.	2.3	23
15	Salicylic acid and cold priming induce late-spring freezing tolerance by maintaining cellular redox homeostasis and protecting photosynthetic apparatus in wheat. <i>Plant Growth Regulation</i> , 2020, 90, 109-121.	1.8	42
16	Relationships of protein composition, gluten structure, and dough rheological properties with short biscuits quality of soft wheat varieties. <i>Agronomy Journal</i> , 2020, 112, 1921-1930.	0.9	17
17	Water-Extractable Arabinoxylan-Induced Changes in the Conformation and Polymerization Behavior of Gluten upon Thermal Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4005-4016.	2.4	45
18	Reducing nitrogen rate and increasing plant density benefit processing quality by modifying the spatial distribution of protein bodies and gluten proteins in endosperm of a soft wheat cultivar. <i>Field Crops Research</i> , 2020, 253, 107831.	2.3	9

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19	Soil nitrogen balance and nitrogen utilization of winter wheat affected by straw management and nitrogen application in the Yangtze river basin of China. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1-15.	1.3	15
20	Nitrogen topdressing timing modifies the gluten quality and grain hardness related protein levels as revealed by iTRAQ. <i>Food Chemistry</i> , 2019, 277, 135-144.	4.2	28
21	Identification and characterization of FRUITFULL-like genes from <i>Platanus acerifolia</i> , a basal eudicot tree. <i>Plant Science</i> , 2019, 280, 206-218.	1.7	11
22	Waterlogging and simulated acid rain after anthesis deteriorate starch quality in wheat grain. <i>Plant Growth Regulation</i> , 2018, 85, 257-265.	1.8	11
23	Nitrogen topdressing timing influences the spatial distribution patterns of protein components and quality traits of flours from different pearling fractions of wheat (<i>Triticum aestivum</i> L.) grains. <i>Field Crops Research</i> , 2018, 216, 120-128.	2.3	34
24	Genome-wide identification and characterization of the SBP-box gene family in <i>Petunia</i> . <i>BMC Genomics</i> , 2018, 19, 193.	1.2	64
25	Spatial distribution patterns of protein and starch in wheat grain affect baking quality of bread and biscuit. <i>Journal of Cereal Science</i> , 2018, 79, 362-369.	1.8	24
26	Herbicide isoproturon aggravates the damage of low temperature stress and exogenous ascorbic acid alleviates the combined stress in wheat seedlings. <i>Plant Growth Regulation</i> , 2018, 84, 293-301.	1.8	15
27	Nitrogen topdressing timing modifies free amino acids profiles and storage protein gene expression in wheat grain. <i>BMC Plant Biology</i> , 2018, 18, 353.	1.6	28
28	Hydrogen Peroxide and Abscisic Acid Mediate Salicylic Acid-Induced Freezing Tolerance in Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 1137.	1.7	65
29	Effect of post-anthesis waterlogging on biosynthesis and granule size distribution of starch in wheat grains. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 222-228.	2.8	22
30	Parental Drought-Priming Enhances Tolerance to Post-anthesis Drought in Offspring of Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 261.	1.7	75
31	The Role of Hydrogen Peroxide in Mediating the Mechanical Wounding-Induced Freezing Tolerance in Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 327.	1.7	24
32	Accumulation of High-Molecular-Weight Glutenin Subunits in Superior and Inferior Grains of a Winter Wheat, Yangmai 158. <i>Cereal Chemistry</i> , 2017, 94, 508-512.	1.1	3
33	Starch granule size distribution in wheat endosperm indirectly correlates to pasting property indicated by near-isogenic lines with different null- <i>waxy</i> alleles. <i>Starch/Staerke</i> , 2017, 69, 1600139.	1.1	7
34	Nitric Oxide and Hydrogen Peroxide Mediate Wounding-Induced Freezing Tolerance through Modifications in Photosystem and Antioxidant System in Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 1284.	1.7	37
35	Heat Priming Induces Trans-generational Tolerance to High Temperature Stress in Wheat. <i>Frontiers in Plant Science</i> , 2016, 7, 501.	1.7	65
36	Variations in Protein Concentration and Nitrogen Sources in Different Positions of Grain in Wheat. <i>Frontiers in Plant Science</i> , 2016, 7, 942.	1.7	21

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37	Early Abscisic Acid Accumulation Regulates Ascorbate and Glutathione Metabolism in Soybean Leaves Under Progressive Water Stress. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 865-876.	2.8	20
38	Physiological and proteomic mechanisms of waterlogging priming improves tolerance to waterlogging stress in wheat (<i>Triticum aestivum</i> L.). <i>Environmental and Experimental Botany</i> , 2016, 132, 175-182.	2.0	59
39	Triadimefon Induced C and N Metabolism and Root Ultra-Structural Changes for Drought Stress Protection in Soybean at Flowering Stage. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 222-231.	2.8	8
40	Salt stress increases content and size of glutenin macropolymers in wheat grain. <i>Food Chemistry</i> , 2016, 197, 516-521.	4.2	32
41	Changes of transcriptome and proteome are associated with the enhanced post-anthesis high temperature tolerance induced by pre-anthesis heat priming in wheat. <i>Plant Growth Regulation</i> , 2016, 79, 135-145.	1.8	22
42	Winter Wheat Photosynthesis and Grain Yield Responses to Spring Freeze. <i>Agronomy Journal</i> , 2015, 107, 1002-1010.	0.9	77
43	Mechano-stimulated modifications in the chloroplast antioxidant system and proteome changes are associated with cold response in wheat. <i>BMC Plant Biology</i> , 2015, 15, 219.	1.6	23
44	Wheat plants exposed to winter warming are more susceptible to low temperature stress in the spring. <i>Plant Growth Regulation</i> , 2015, 77, 11-19.	1.8	38
45	Changes in carbon and nitrogen allocation, growth and grain yield induced by arbuscular mycorrhizal fungi in wheat (<i>Triticum aestivum</i> L.) subjected to a period of water deficit. <i>Plant Growth Regulation</i> , 2015, 75, 751-760.	1.8	40
46	Embryonic exposure to corticosterone modifies aggressive behavior through alterations of the hypothalamic pituitary adrenal axis and the serotonergic system in the chicken. <i>Hormones and Behavior</i> , 2014, 65, 97-105.	1.0	68
47	Improvement of pistillate flowers yield with GA3 in heavy metals treated plants. <i>Plant Growth Regulation</i> , 2006, 48, 247.	1.8	7