

# Zhujun Zhu

## List of Publications by Year in descending order

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73  
papers

3,997  
citations

201674

27  
h-index

118850

62  
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73  
all docs

73  
docs citations

73  
times ranked

4530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and identification of <i>Brassicoraphanus</i> distant hybrids between radish ( <i>Raphanus sativus</i> L.) and kohlrabi ( <i>Brassica oleracea</i> L. var. <i>Caulorapa</i> DC.). <i>New Zealand Journal of Crop and Horticultural Science</i> , 2023, 51, 341-354.	1.3	2
2	Melatonin regulated glucosinolate profile via modulation of genes related with sulfur and nitrogen metabolism in <i>Brassica rapa</i> ssp. <i>pekinensis</i> . <i>Industrial Crops and Products</i> , 2022, 177, 114538.	5.2	7
3	Role of melatonin in promoting plant growth by regulating carbon assimilation and ATP accumulation. <i>Plant Science</i> , 2022, 319, 111276.	3.6	18
4	Glycine Betaine and $\hat{1}^2$ -Aminobutyric Acid Mitigate the Detrimental Effects of Heat Stress on Chinese Cabbage ( <i>Brassica rapa</i> L. ssp. <i>pekinensis</i> ) Seedlings with Improved Photosynthetic Performance and Antioxidant System. <i>Plants</i> , 2022, 11, 1213.	3.5	8
5	The structure, function and expression analysis of the nodulin 26-like intrinsic protein subfamily of plant aquaporins in tomato. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
6	Modified photoperiod response of CsFT promotes day neutrality and early flowering in cultivated cucumber. <i>Theoretical and Applied Genetics</i> , 2022, 135, 2735-2746.	3.6	5
7	Overexpression of sly-miR398b increased salt sensitivity likely via regulating antioxidant system and photosynthesis in tomato. <i>Environmental and Experimental Botany</i> , 2021, 181, 104273.	4.2	23
8	Alternative oxidase pathway is likely involved in waterlogging tolerance of watermelon. <i>Scientia Horticulturae</i> , 2021, 278, 109831.	3.6	13
9	Effect of short-term high temperature on the accumulation of glucosinolates in <i>Brassica rapa</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 161, 222-233.	5.8	14
10	Role of Glutathione-Ascorbate Cycle and Photosynthetic Electronic Transfer in Alternative Oxidase-Manipulated Waterlogging Tolerance in Watermelon Seedlings. <i>Horticulturae</i> , 2021, 7, 130.	2.8	7
11	Transcriptome Profiling Reveals Candidate Key Genes Involved in Sinigrin Biosynthesis in <i>Brassica nigra</i> . <i>Horticulturae</i> , 2021, 7, 173.	2.8	3
12	Melatonin elevated <i>Sclerotinia sclerotiorum</i> resistance via modulation of ATP and glucosinolate biosynthesis in <i>Brassica rapa</i> ssp. <i>pekinensis</i> . <i>Journal of Proteomics</i> , 2021, 243, 104264.	2.4	22
13	Complete chloroplast genome and phylogenetic analysis of <i>Glebionis coronaria</i> (L.) Cass. ex Spach (Asteraceae). <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 2693-2694.	0.4	2
14	Effects of BrMYC2/3/4 on Plant Development, Glucosinolate Metabolism, and <i>Sclerotinia sclerotiorum</i> Resistance in Transgenic <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 707054.	3.6	6
15	Cloning and Functional Identification of S1PG49 in <i>Solanum lycopersicum</i> . <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11450.	2.5	1
16	Integrating Sugar Metabolism With Transport: Elevation of Endogenous Cell Wall Invertase Activity Up-Regulates SIHT2 and SISWEET12c Expression for Early Fruit Development in Tomato. <i>Frontiers in Genetics</i> , 2020, 11, 592596.	2.3	19
17	Expression Analysis of Genes Related to Auxin Metabolism at Different Growth Stages of Pak Choi. <i>Horticultural Plant Journal</i> , 2020, 6, 25-33.	5.0	7
18	Production of allohexaploid Brassica hybrid between tuber mustard ( <i>Brassica juncea</i> L. var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td <i>Horticulturae</i> , 2020, 270, 109412.	3.6	10

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19	Production and characterization of intergeneric hybrids by crossing radish with turnip and with Chinese kale. <i>Euphytica</i> , 2020, 216, 1.	1.2	8
20	Glyoxylate cycle and reactive oxygen species metabolism are involved in the improvement of seed vigor in watermelon by exogenous GA <sub>3</sub> . <i>Scientia Horticulturae</i> , 2019, 247, 184-194.	3.6	13
21	Genome-Wide Identification and Analysis of Polygalacturonase Genes in <i>Solanum lycopersicum</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2290.	4.1	41
22	Repression of miR156 by miR159 Regulates the Timing of the Juvenile-to-Adult Transition in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2017, 29, 1293-1304.	6.6	144
23	Digital gene expression analysis during floral transition in pak choi ( <i>Brassica rapa</i> subsp. <i>chinensis</i> ). <i>Biotechnology and Biotechnological Equipment</i> , 2017, , 1-9.	1.3	1
24	Genome-wide identification and expression analysis of transcription factors in <i>Solanum lycopersicum</i> . <i>Agri Gene</i> , 2017, 6, 14-23.	1.9	9
25	Cloning and expression analysis of <i>SPL8</i> homolog from pak choi ( <i>Brassica rapa</i> subsp.) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	3
26	Identification of genes related to floral organ development in pak choi by expression profiling. <i>Genetics and Molecular Research</i> , 2017, 16, .	0.2	6
27	Regulation of Vegetative Phase Change by SWI2/SNF2 Chromatin Remodeling ATPase BRAHMA. <i>Plant Physiology</i> , 2016, 172, 2416-2428.	4.8	69
28	Modulation of miR156 to identify traits associated with vegetative phase change in tobacco ( <i>Nicotiana tabacum</i> ). <i>Journal of Experimental Botany</i> , 2016, 67, 1493-1504.	4.8	74
29	Glucosinolate enhancement in leaves and roots of pak choi ( <i>Brassica rapa</i> ssp. <i>chinensis</i> ) by methyl jasmonate. <i>Horticulture Environment and Biotechnology</i> , 2015, 56, 830-840.	2.1	14
30	Global analysis of transcriptional response of Chinese cabbage to methyl jasmonate reveals JA signaling on enhancement of secondary metabolism pathways. <i>Scientia Horticulturae</i> , 2015, 189, 159-167.	3.6	17
31	Glucosinolate Accumulation and Related Gene Expression in Pak Choi ( <i>Brassica rapa</i> L. ssp.) Tj ETQq1 1 0.784314 rgBT /Overlo Application. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9683-9689.	5.2	9
32	Leaf and root glucosinolate profiles of Chinese cabbage ( <i>Brassica rapa</i> ssp. <i>pekinensis</i> ) as a systemic response to methyl jasmonate and salicylic acid elicitation. <i>Journal of Zhejiang University: Science B</i> , 2015, 16, 696-708.	2.8	20
33	Gene Expression Analysis of Pak Choi in Response to Vernalization. <i>PLoS ONE</i> , 2015, 10, e0141446.	2.5	20
34	Characterisation of the subunit genes of pyrophosphate-dependent phosphofructokinase from loquat ( <i>Eriobotrya japonica</i> Lindl.). <i>Tree Genetics and Genomes</i> , 2014, 10, 1465-1476.	1.6	3
35	Low Root Zone Temperature Exacerbates the Ion Imbalance and Photosynthesis Inhibition and Induces Antioxidant Responses in Tomato Plants Under Salinity. <i>Journal of Integrative Agriculture</i> , 2014, 13, 89-99.	3.5	21
36	Variation in glucosinolates in pak choi cultivars and various organs at different stages of vegetative growth during the harvest period. <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 309-317.	2.8	21

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37	Cloning and functional analysis of a novel ascorbate peroxidase (APX) gene from <i>Anthurium andraeanum</i> . <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 1110-1120.	2.8	10
38	Isolation and Expression of Glucosinolate Synthesis Genes CYP83A1 and CYP83B1 in Pak Choi ( <i>Brassica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Molecular Sciences</i> , 2012, 13, 5832-5843.	4.1	17
39	Shelf life extension of minimally processed water caltrop ( <i>Trapa acornis</i> Nakano) fruits coated with chitosan. <i>International Journal of Food Science and Technology</i> , 2011, 46, 2634-2640.	2.7	11
40	Accumulation of glucosinolates and nutrients in pakchoi ( <i>Brassica campestris</i> L. ssp. <i>chinensis</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Biotechnology</i> , 2011, 52, 121-127.	2.1	4
41	Functional divergence of the NIP III subgroup proteins involved altered selective constraints and positive selection. <i>BMC Plant Biology</i> , 2010, 10, 256.	3.6	23
42	CHARACTERIZATION OF POLYPHENOL OXIDASE FROM WATER CALTROP ( <i>TRAPA ACORNIS NAKANO</i> ) FRUITS. <i>Journal of Food Biochemistry</i> , 2010, 34, 1125-1140.	2.9	9
43	EFFECTS OF STORAGE TEMPERATURE ON THE CONTENTS OF CAROTENOIDS AND GLUCOSINOLATES IN PAKCHOI ( <i>BRASSICA RAPA</i> L. SSP. <i>CHINENSIS</i> VAR. <i>COMMUNIS</i> ). <i>Journal of Food Biochemistry</i> , 2010, 34, 1186-1204.	2.9	20
44	SOME DELETERIOUS EFFECTS OF LONG-TERM SALT STRESS ON GROWTH, NUTRITION, AND PHYSIOLOGY OF <i>GERBERA</i> ( <i>GERBERA JAMESONII</i> L.) AND POTENTIAL INDICATORS OF ITS SALT TOLERANCE. <i>Journal of Plant Nutrition</i> , 2010, 33, 2010-2027.	1.9	14
45	Divergence in function and expression of the NOD26-like intrinsic proteins in plants. <i>BMC Genomics</i> , 2009, 10, 313.	2.8	76
46	Grafting increases the salt tolerance of tomato by improvement of photosynthesis and enhancement of antioxidant enzymes activity. <i>Environmental and Experimental Botany</i> , 2009, 66, 270-278.	4.2	177
47	Dicer-like (DCL) proteins in plants. <i>Functional and Integrative Genomics</i> , 2009, 9, 277-286.	3.5	136
48	Identification of two AFLP markers linked to bacterial wilt resistance in tomato and conversion to SCAR markers. <i>Molecular Biology Reports</i> , 2009, 36, 479-486.	2.3	29
49	Interactive effects of phosphorus supply and light intensity on glucosinolates in pakchoi ( <i>Brassica</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3.7 34	3.7	34
50	Application of near-infrared reflectance spectroscopy to evaluate the lutein and $\beta$ -carotene in Chinese kale. <i>Journal of Food Composition and Analysis</i> , 2009, 22, 148-153.	3.9	30
51	STUDIES ON THE RAPID METHODS FOR EVALUATING SEED VIGOR OF SWEET CORN. <i>IFIP Advances in Information and Communication Technology</i> , 2009, , 1729-1738.	0.7	1
52	Exogenous salicylic acid alleviates NaCl toxicity and increases antioxidative enzyme activity in <i>Lycopersicon esculentum</i> . <i>Biologia Plantarum</i> , 2008, 52, 792-795.	1.9	72
53	The growth and some physiological responses of rice to Cd toxicity as affected by nitrogen form. <i>Plant Growth Regulation</i> , 2008, 54, 125-132.	3.4	48
54	Free and bound phenolic compounds in leaves of pak choi ( <i>Brassica campestris</i> L. ssp. <i>chinensis</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 8.2 61	8.2	61

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55	Effects of exogenous salicylic acid on manganese toxicity, element contents and antioxidative system in cucumber. <i>Environmental and Experimental Botany</i> , 2008, 63, 317-326.	4.2	225
56	Impact of Fermentation on Phenolic Compounds in Leaves of Pak Choi ( <i>Brassica campestris</i> L. ssp.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> <i>Agricultural and Food Chemistry</i> , 2008, 56, 148-157.	5.2	43
57	Effects of Nitrogen and Sulfur on Total Phenolics and Antioxidant Activity in Two Genotypes of Leaf Mustard. <i>Journal of Plant Nutrition</i> , 2008, 31, 1642-1655.	1.9	47
58	Influence of Cadmium Toxicity on Plant Growth and Nitrogen Uptake in Rice as Affected by Nitrogen Form. <i>Journal of Plant Nutrition</i> , 2008, 31, 251-262.	1.9	42
59	EFFECT OF CADMIUM ON NITROGEN ACCUMULATION AND ACTIVITIES OF NITROGEN ASSIMILATION ENZYMES IN PAKCHOI. <i>Acta Horticulturae</i> , 2008, , 545-550.	0.2	0
60	Glucosinolates in Chinese <i>Brassica campestris</i> Vegetables: Chinese Cabbage, Purple Cai-tai, Choysum, Pakchoi, and Turnip. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 571-574.	1.0	54
61	Paraquat Resistance in Leaf Discs of PSAG12-IPT Modified <i>Gerbera</i> Is Related to the Activities of Superoxide Dismutase, Catalase, and Dehydroascorbate Reductase. <i>Agricultural Sciences in China</i> , 2007, 6, 446-451.	0.6	4
62	Identification of Flavonoids and Hydroxycinnamic Acids in Pak Choi Varieties ( <i>Brassica</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 Td</i> NMR and Their Quantification by HPLC-DAD. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8251-8260.	5.2	152
63	Effects of osmotic stress on antioxidant enzymes activities in leaf discs of PSAG12-IPT modified <i>gerbera</i> . <i>Journal of Zhejiang University: Science B</i> , 2007, 8, 458-464.	2.8	44
64	Identification of an AFLP Fragment Linked to Rust Resistance in Asparagus Bean and Its Conversion to a SCAR Marker. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 1153-1156.	1.0	8
65	Effect of Nitrogen and Sulfur Supply on Glucosinolates in <i>Brassica campestris</i> ssp. <i>chinensis</i> . <i>Agricultural Sciences in China</i> , 2006, 5, 603-608.	0.6	27
66	Combined Effects of Excess Mn and Low pH on Oxidative Stress and Antioxidant Enzymes in Cucumber Roots. <i>Agricultural Sciences in China</i> , 2006, 5, 767-772.	0.6	31
67	Effects of Different Treatments of Salicylic Acid on Heat Tolerance, Chlorophyll Fluorescence, and Antioxidant Enzyme Activity in Seedlings of <i>Cucumis sativa</i> L.. <i>Plant Growth Regulation</i> , 2006, 48, 127-135.	3.4	249
68	Effect of excess manganese on the antioxidant system in <i>Cucumis sativus</i> L. under two light intensities. <i>Environmental and Experimental Botany</i> , 2006, 58, 197-205.	4.2	73
69	Silicon-mediated alleviation of Mn toxicity in <i>Cucumis sativus</i> in relation to activities of superoxide dismutase and ascorbate peroxidase. <i>Phytochemistry</i> , 2005, 66, 1551-1559.	2.9	216
70	Influence of Silicon Supply on Chlorophyll Content, Chlorophyll Fluorescence, and Antioxidative Enzyme Activities in Tomato Plants Under Salt Stress. <i>Journal of Plant Nutrition</i> , 2005, 27, 2101-2115.	1.9	344
71	Silicon alleviates salt stress and increases antioxidant enzymes activity in leaves of salt-stressed cucumber ( <i>Cucumis sativus</i> L.). <i>Plant Science</i> , 2004, 167, 527-533.	3.6	703
72	Influence of Silicon Supply on Chlorophyll Content, Chlorophyll Fluorescence, and Antioxidative Enzyme Activities in Tomato Plants Under Salt Stress. <i>Journal of Plant Nutrition</i> , 2004, 27, 2101-2115.	1.9	15

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73	Physiological and Biochemical Processes Related to Ammonium Toxicity in Higher Plants. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1997, 160, 239-251.	0.4	283