Zhujun Zhu

List of Publications by Year
in descending order

73 papers	3,997 citations	201674 27 h-index	118850 62 g-index
73 all docs	73 docs citations	73 times ranked	4530 citing authors

#	Article	IF	Citations
1	Silicon alleviates salt stress and increases antioxidant enzymes activity in leaves of salt-stressed cucumber (Cucumis sativus L.). Plant Science, 2004, 167, 527-533.	3.6	703
2	Influence of Silicon Supply on Chlorophyll Content, Chlorophyll Fluorescence, and Antioxidative Enzyme Activities in Tomato Plants Under Salt Stress. Journal of Plant Nutrition, 2005, 27, 2101-2115.	1.9	344
3	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
4	Effects of Different Treatments of Salicylic Acid on Heat Tolerance, Chlorophyll Fluorescence, and Antioxidant Enzyme Activity in Seedlings of Cucumis sativa L.. Plant Growth Regulation, 2006, 48, 127-135.	3.4	249
5	Effects of exogenous salicylic acid on manganese toxicity, element contents and antioxidative system in cucumber. Environmental and Experimental Botany, 2008, 63, 317-326.	4.2	225
6	Silicon-mediated alleviation of Mn toxicity in Cucumis sativus in relation to activities of superoxide dismutase and ascorbate peroxidase. Phytochemistry, 2005, 66, 1551-1559.	2.9	216
7	Grafting increases the salt tolerance of tomato by improvement of photosynthesis and enhancement of antioxidant enzymes activity. Environmental and Experimental Botany, 2009, 66, 270-278.	4.2	177
8	Identification of Flavonoids and Hydroxycinnamic Acids in Pak Choi Varieties (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 Td NMR and Their Quantification by HPLCâ€“DAD. Journal of Agricultural and Food Chemistry, 2007, 55, 8251-8260.	5.2	152
9	Repression of miR156 by miR159 Regulates the Timing of the Juvenile-to-Adult Transition in Arabidopsis. Plant Cell, 2017, 29, 1293-1304.	6.6	144
10	Dicer-like (DCL) proteins in plants. Functional and Integrative Genomics, 2009, 9, 277-286.	3.5	136
11	Divergence in function and expression of the NOD26-like intrinsic proteins in plants. BMC Genomics, 2009, 10, 313.	2.8	76
12	Modulation of miR156 to identify traits associated with vegetative phase change in tobacco (Nicotiana tabacum). Journal of Experimental Botany, 2016, 67, 1493-1504.	4.8	74
13	Effect of excess manganese on the antioxidant system in Cucumis sativus L. under two light intensities. Environmental and Experimental Botany, 2006, 58, 197-205.	4.2	73
14	Exogenous salicylic acid alleviates NaCl toxicity and increases antioxidative enzyme activity in Lycopersicon esculentum. Biologia Plantarum, 2008, 52, 792-795.	1.9	72
15	Regulation of Vegetative Phase Change by SWI2/SNF2 Chromatin Remodeling ATPase BRAHMA. Plant Physiology, 2016, 172, 2416-2428.	4.8	69
16	Free and bound phenolic compounds in leaves of pak choi (Brassica campestris L. ssp. chinensis var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.2	61
17	Glucosinolates in Chinese Brassica campestris Vegetables: Chinese Cabbage, Purple Cai-tai, Choysum, Pakchoi, and Turnip. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 571-574.	1.0	54
18	The growth and some physiological responses of rice to Cd toxicity as affected by nitrogen form. Plant Growth Regulation, 2008, 54, 125-132.	3.4	48

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19	Effects of Nitrogen and Sulfur on Total Phenolics and Antioxidant Activity in Two Genotypes of Leaf Mustard. Journal of Plant Nutrition, 2008, 31, 1642-1655.	1.9	47
20	Effects of osmotic stress on antioxidant enzymes activities in leaf discs of PSAG12-IPT modified gerbera. Journal of Zhejiang University: Science B, 2007, 8, 458-464.	2.8	44
21	Impact of Fermentation on Phenolic Compounds in Leaves of Pak Choi (Brassica campestris L. ssp.) Tj ETQq1 1 0.784314 rgBT /Overl Agricultural and Food Chemistry, 2008, 56, 148-157.	5.2	43
22	Influence of Cadmium Toxicity on Plant Growth and Nitrogen Uptake in Rice as Affected by Nitrogen Form. Journal of Plant Nutrition, 2008, 31, 251-262.	1.9	42
23	Genome-Wide Identification and Analysis of Polygalacturonase Genes in Solanum lycopersicum. International Journal of Molecular Sciences, 2018, 19, 2290.	4.1	41
24	Interactive effects of phosphorus supply and light intensity on glucosinolates in pakchoi (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.7	34
25	Combined Effects of Excess Mn and Low pH on Oxidative Stress and Antioxidant Enzymes in Cucumber Roots. Agricultural Sciences in China, 2006, 5, 767-772.	0.6	31
26	Application of near-infrared reflectance spectroscopy to evaluate the lutein and Î²-carotene in Chinese kale. Journal of Food Composition and Analysis, 2009, 22, 148-153.	3.9	30
27	Identification of two AFLP markers linked to bacterial wilt resistance in tomato and conversion to SCAR markers. Molecular Biology Reports, 2009, 36, 479-486.	2.3	29
28	Effect of Nitrogen and Sulfur Supply on Glucosinolates in Brassica campestris ssp. chinensis. Agricultural Sciences in China, 2006, 5, 603-608.	0.6	27
29	Functional divergence of the NIP III subgroup proteins involved altered selective constraints and positive selection. BMC Plant Biology, 2010, 10, 256.	3.6	23
30	Overexpression of sly-miR398b increased salt sensitivity likely via regulating antioxidant system and photosynthesis in tomato. Environmental and Experimental Botany, 2021, 181, 104273.	4.2	23
31	Melatonin elevated Sclerotinia sclerotiorum resistance via modulation of ATP and glucosinolate biosynthesis in Brassica rapa ssp. pekinensis. Journal of Proteomics, 2021, 243, 104264.	2.4	22
32	Variation in glucosinolates in pak choi cultivars and various organs at different stages of vegetative growth during the harvest period. Journal of Zhejiang University: Science B, 2013, 14, 309-317.	2.8	21
33	Low Root Zone Temperature Exacerbates the Ion Imbalance and Photosynthesis Inhibition and Induces Antioxidant Responses in Tomato Plants Under Salinity. Journal of Integrative Agriculture, 2014, 13, 89-99.	3.5	21
34	EFFECTS OF STORAGE TEMPERATURE ON THE CONTENTS OF CAROTENOIDS AND GLUCOSINOLATES IN PAKCHOI (BRASSICA RAPA L. SSP. CHINENSIS VAR. COMMUNIS). Journal of Food Biochemistry, 2010, 34, 1186-1204.	2.9	20
35	Leaf and root glucosinolate profiles of Chinese cabbage (Brassica rapa ssp. pekinensis) as a systemic response to methyl jasmonate and salicylic acid elicitation. Journal of Zhejiang University: Science B, 2015, 16, 696-708.	2.8	20
36	Gene Expression Analysis of Pak Choi in Response to Vernalization. PLoS ONE, 2015, 10, e0141446.	2.5	20

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37	Integrating Sugar Metabolism With Transport: Elevation of Endogenous Cell Wall Invertase Activity Up-Regulates SlHT2 and SlSWEET12c Expression for Early Fruit Development in Tomato. Frontiers in Genetics, 2020, 11, 592596.	2.3	19
38	Role of melatonin in promoting plant growth by regulating carbon assimilation and ATP accumulation. Plant Science, 2022, 319, 111276.	3.6	18
39	Isolation and Expression of Glucosinolate Synthesis Genes CYP83A1 and CYP83B1 in Pak Choi (Brassica) Tj ETQq1 1 0.784314 rgBT /Ov Molecular Sciences, 2012, 13, 5832-5843.	4.1	17
40	Global analysis of transcriptional response of Chinese cabbage to methyl jasmonate reveals JA signaling on enhancement of secondary metabolism pathways. Scientia Horticulturae, 2015, 189, 159-167.	3.6	17
41	Influence of Silicon Supply on Chlorophyll Content, Chlorophyll Fluorescence, and Antioxidative Enzyme Activities in Tomato Plants Under Salt Stress. Journal of Plant Nutrition, 2004, 27, 2101-2115.	1.9	15
42	SOME DELETERIOUS EFFECTS OF LONG-TERM SALT STRESS ON GROWTH, NUTRITION, AND PHYSIOLOGY OF GERBERA (GERBERA JAMESONIIL.) AND POTENTIAL INDICATORS OF ITS SALT TOLERANCE. Journal of Plant Nutrition, 2010, 33, 2010-2027.	1.9	14
43	Glucosinolate enhancement in leaves and roots of pak choi (Brassica rapa ssp. chinensis) by methyl jasmonate. Horticulture Environment and Biotechnology, 2015, 56, 830-840.	2.1	14
44	Effect of short-term high temperature on the accumulation of glucosinolates in Brassica rapa. Plant Physiology and Biochemistry, 2021, 161, 222-233.	5.8	14
45	Glyoxylate cycle and reactive oxygen species metabolism are involved in the improvement of seed vigor in watermelon by exogenous GA3. Scientia Horticulturae, 2019, 247, 184-194.	3.6	13
46	Alternative oxidase pathway is likely involved in waterlogging tolerance of watermelon. Scientia Horticulturae, 2021, 278, 109831.	3.6	13
47	Shelf life extension of minimally processed water caltrop (Trapa acornis Nakano) fruits coated with chitosan. International Journal of Food Science and Technology, 2011, 46, 2634-2640.	2.7	11
48	Cloning and functional analysis of a novel ascorbate peroxidase (APX) gene from Anthurium andraeanum. Journal of Zhejiang University: Science B, 2013, 14, 1110-1120.	2.8	10
49	Production of allohexaploid Brassica hybrid between tuber mustard (Brassica juncea L. var.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Horticulturae, 2020, 270, 109412.	3.6	10
50	CHARACTERIZATION OF POLYPHENOL OXIDASE FROM WATER CALTROP (TRAPA ACORNIS NAKANO) FRUITS. Journal of Food Biochemistry, 2010, 34, 1125-1140.	2.9	9
51	Glucosinolate Accumulation and Related Gene Expression in Pak Choi (Brassica rapa L. ssp.) Tj ETQq1 1 0.784314 rgBT /Overlo Application. Journal of Agricultural and Food Chemistry, 2015, 63, 9683-9689.	5.2	9
52	Genome-wide identification and expression analysis of transcription factors in Solanum lycopersicum. Agri Gene, 2017, 6, 14-23.	1.9	9
53	Identification of an AFLP Fragment Linked to Rust Resistance in Asparagus Bean and Its Conversion to a SCAR Marker. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 1153-1156.	1.0	8
54	Production and characterization of intergeneric hybrids by crossing radish with turnip and with Chinese kale. Euphytica, 2020, 216, 1.	1.2	8

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55	Glycine Betaine and Î²-Aminobutyric Acid Mitigate the Detrimental Effects of Heat Stress on Chinese Cabbage (Brassica rapa L. ssp. pekinensis) Seedlings with Improved Photosynthetic Performance and Antioxidant System. Plants, 2022, 11, 1213.	3.5	8
56	Expression Analysis of Genes Related to Auxin Metabolism at Different Growth Stages of Pak Choi. Horticultural Plant Journal, 2020, 6, 25-33.	5.0	7
57	Role of Glutathione-Ascorbate Cycle and Photosynthetic Electronic Transfer in Alternative Oxidase-Manipulated Waterlogging Tolerance in Watermelon Seedlings. Horticulturae, 2021, 7, 130.	2.8	7
58	Melatonin regulated glucosinolate profile via modulation of genes related with sulfur and nitrogen metabolism in Brassica rapa ssp. pekinensis. Industrial Crops and Products, 2022, 177, 114538.	5.2	7
59	Identification of genes related to floral organ development in pak choi by expression profiling. Genetics and Molecular Research, 2017, 16, .	0.2	6
60	Effects of BrMYC2/3/4 on Plant Development, Glucosinolate Metabolism, and Sclerotinia sclerotiorum Resistance in Transgenic Arabidopsis thaliana. Frontiers in Plant Science, 2021, 12, 707054.	3.6	6
61	The structure, function and expression analysis of the nodulin 26-like intrinsic protein subfamily of plant aquaporins in tomato. Scientific Reports, 2022, 12, .	3.3	5
62	Modified photoperiod response of CsFT promotes day neutrality and early flowering in cultivated cucumber. Theoretical and Applied Genetics, 2022, 135, 2735-2746.	3.6	5
63	Paraquat Resistance in Leaf Discs of PSAG12-IPT Modified Gerbera Is Related to the Activities of Superoxide Dismutase, Catalase, and Dehydroascorbate Reductase. Agricultural Sciences in China, 2007, 6, 446-451.	0.6	4
64	Accumulation of glucosinolates and nutrients in pakchoi (Brassica campestris L. ssp. chinensis var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biotechnology, 2011, 52, 121-127.	2.1	4
65	Characterisation of the subunit genes of pyrophosphate-dependent phosphofructokinase from loquat (Eriobotrya japonica Lindl.). Tree Genetics and Genomes, 2014, 10, 1465-1476.	1.6	3
66	Cloning and expression analysis of SPL8 homolog from pak choi (Brassica rapa subsp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	3
67	Transcriptome Profiling Reveals Candidate Key Genes Involved in Sinigrin Biosynthesis in Brassica nigra. Horticulturae, 2021, 7, 173.	2.8	3
68	Complete chloroplast genome and phylogenetic analysis of Glebionis coronaria (L.) Cass. ex Spach (Asteraceae). Mitochondrial DNA Part B: Resources, 2021, 6, 2693-2694.	0.4	2
69	Production and identification of Ã—Brassicoraphanus distant hybrids between radish (Raphanus sativus L.) and kohlrabi (Brassica oleracea L. var. Caulorapa DC.). New Zealand Journal of Crop and Horticultural Science, 2023, 51, 341-354.	1.3	2
70	Digital gene expression analysis during floral transition in pak choi (Brassica rapa subsp. chinensis). Biotechnology and Biotechnological Equipment, 2017, , 1-9.	1.3	1
71	STUDIES ON THE RAPID METHODS FOR EVALUATING SEED VIGOR OF SWEET CORN. IFIP Advances in Information and Communication Technology, 2009, , 1729-1738.	0.7	1
72	Cloning and Functional Identification of SlPG49 in Solanum lycopersicum. Applied Sciences (Switzerland), 2021, 11, 11450.	2.5	1

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73	EFFECT OF CADMIUM ON NITROGEN ACCUMULATION AND ACTIVITIES OF NITROGEN ASSIMILATION ENZYMES IN PAKCHOI. Acta Horticulturae, 2008, , 545-550.	0.2	0