

Meiwen He

List of Publications by Year in descending order

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84
papers

3,321
citations

159585

30
h-index

168389

53
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all docs

84
docs citations

84
times ranked

2826
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement effects of conditioners on properties of acidified-salinized soils and lettuce growth. <i>Journal of Plant Nutrition</i> , 2022, 45, 937-950.	1.9	2
2	Putrescine regulates stomatal opening of cucumber leaves under salt stress via the H ₂ O ₂ -mediated signaling pathway. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 87-97.	5.8	24
3	A Comprehensive Evaluation of Salt Tolerance in Tomato (Var. Ailsa Craig): Responses of Physiological and Transcriptional Changes in RBOHs and ABA Biosynthesis and Signalling Genes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1603.	4.1	19
4	Physiological mechanism of strigolactone-enhancing tolerance to low light stress in cucumber seedlings. <i>BMC Plant Biology</i> , 2022, 22, 30.	3.6	25
5	Cytokinin plays a critical role in bitter melon rootstock-induced thermotolerance of cucumber. <i>Vegetable Research</i> , 2022, 2, 1-9.	0.7	1
6	Exogenous Putrescine Increases Heat Tolerance in Tomato Seedlings by Regulating Chlorophyll Metabolism and Enhancing Antioxidant Defense Efficiency. <i>Plants</i> , 2022, 11, 1038.	3.5	23
7	CsbZIP2-miR9748-CsNPF4.4 Module Mediates High Temperature Tolerance of Cucumber Through Jasmonic Acid Pathway. <i>Frontiers in Plant Science</i> , 2022, 13, 883876.	3.6	4
8	Effects of <i>Bacillus cereus</i> on Photosynthesis and Antioxidant Metabolism of Cucumber Seedlings under Salt Stress. <i>Horticulturae</i> , 2022, 8, 463.	2.8	8
9	Hydrogen peroxide mediates spermidine-induced autophagy to alleviate salt stress in cucumber. <i>Autophagy</i> , 2021, 17, 2876-2890.	9.1	63
10	Functional growth, photosynthesis and nutritional property analyses of lettuce grown under different temperature and light intensity. <i>Journal of Horticultural Science and Biotechnology</i> , 2021, 96, 53-61.	1.9	14
11	Auxin is involved in arbuscular mycorrhizal fungi-promoted tomato growth and NADP-malic enzymes expression in continuous cropping substrates. <i>BMC Plant Biology</i> , 2021, 21, 48.	3.6	22
12	Melatonin Pretreatment Confers Heat Tolerance and Repression of Heat-Induced Senescence in Tomato Through the Modulation of ABA- and GA-Mediated Pathways. <i>Frontiers in Plant Science</i> , 2021, 12, 650955.	3.6	104
13	Comparative transcriptome analysis reveals gene network regulation of TGase-induced thermotolerance in tomato. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12208.	1.1	3
14	The key cyclic electron flow protein PGR5 associates with cytochrome b6f, and its function is partially influenced by the LHCII state transition. <i>Horticulture Research</i> , 2021, 8, 55.	6.3	8
15	Characterization of SIBAG Genes from <i>Solanum lycopersicum</i> and Its Function in Response to Dark-Induced Leaf Senescence. <i>Plants</i> , 2021, 10, 947.	3.5	9
16	Overexpression of 7-hydroxymethyl Chlorophyll a Reductase from Cucumber in Tobacco Accelerates Dark-Induced Chlorophyll Degradation. <i>Plants</i> , 2021, 10, 1820.	3.5	5
17	Melatonin-mediated photosynthetic performance of tomato seedlings under high-temperature stress. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 309-320.	5.8	124
18	CsCDPK6, a CsSAMS1-Interacting Protein, Affects Polyamine/Ethylene Biosynthesis in Cucumber and Enhances Salt Tolerance by Overexpression in Tobacco. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11133.	4.1	13

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19	Systematic identification and analysis of heat-stress-responsive lncRNAs, circRNAs and miRNAs with associated co-expression and ceRNA networks in cucumber (<i>Cucumis sativus</i> L.). <i>Physiologia Plantarum</i> , 2020, 168, 736-754.	5.2	90
20	Enhancement of salt-stressed cucumber tolerance by application of glucose for regulating antioxidant capacity and nitrogen metabolism. <i>Canadian Journal of Plant Science</i> , 2020, 100, 253-263.	0.9	7
21	Physiological mechanism of transglutaminase-mediated improvement in salt tolerance of cucumber seedlings. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 333-344.	5.8	7
22	RNA-Seq analysis reveals the growth and photosynthetic responses of rapeseed (<i>Brassica napus</i> L.) under red and blue LEDs with supplemental yellow, green, or white light. <i>Horticulture Research</i> , 2020, 7, 206.	6.3	16
23	Gibberellin mediates spermidine-induced salt tolerance and the expression of GT-3b in cucumber. <i>Plant Physiology and Biochemistry</i> , 2020, 152, 147-156.	5.8	16
24	Bitter Melon (<i>Momordica charantia</i> L.) Rootstock Improves the Heat Tolerance of Cucumber by Regulating Photosynthetic and Antioxidant Defense Pathways. <i>Plants</i> , 2020, 9, 692.	3.5	26
25	Compost Amendments Based on Vinegar Residue Promote Tomato Growth and Suppress Bacterial Wilt Caused by <i>Ralstonia Solanacearum</i> . <i>Pathogens</i> , 2020, 9, 227.	2.8	24
26	Characterization of the CsPNG1 gene from cucumber and its function in response to salinity stress. <i>Plant Physiology and Biochemistry</i> , 2020, 150, 140-150.	5.8	8
27	Ectopic expression of CsTGase enhances salt tolerance by regulating polyamine biosynthesis, antioxidant activities and Na ⁺ /K ⁺ homeostasis in transgenic tobacco. <i>Plant Science</i> , 2020, 296, 110492.	3.6	13
28	Melatonin alleviates nickel phytotoxicity by improving photosynthesis, secondary metabolism and oxidative stress tolerance in tomato seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110593.	6.0	191
29	Melatonin alleviates heat-induced damage of tomato seedlings by balancing redox homeostasis and modulating polyamine and nitric oxide biosynthesis. <i>BMC Plant Biology</i> , 2019, 19, 414.	3.6	181
30	TGase positively regulates photosynthesis via activation of Calvin cycle enzymes in tomato. <i>Horticulture Research</i> , 2019, 6, 92.	6.3	23
31	Redox and thylakoid membrane proteomic analysis reveals the <i>Momordica</i> (<i>Momordica charantia</i> L.) rootstock-induced photoprotection of cucumber leaves under short-term heat stress. <i>Plant Physiology and Biochemistry</i> , 2019, 136, 98-108.	5.8	15
32	Isolation and characterization of S-Adenosylmethionine synthase gene from cucumber and responsive to abiotic stress. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 431-445.	5.8	40
33	Exogenous putrescine regulates leaf starch overaccumulation in cucumber under salt stress. <i>Scientia Horticulturae</i> , 2019, 253, 99-110.	3.6	32
34	Exogenous putrescine alleviates photoinhibition caused by salt stress through cooperation with cyclic electron flow in cucumber. <i>Photosynthesis Research</i> , 2019, 141, 303-314.	2.9	31
35	Overexpression of Transglutaminase from Cucumber in Tobacco Increases Salt Tolerance through Regulation of Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 894.	4.1	30
36	Exogenous salicylic acid increases the heat tolerance in Tomato (<i>Solanum lycopersicum</i> L) by enhancing photosynthesis efficiency and improving antioxidant defense system through scavenging of reactive oxygen species. <i>Scientia Horticulturae</i> , 2019, 247, 421-429.	3.6	146

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37	Poultry biogas slurry can partially substitute for mineral fertilizers in hydroponic lettuce production. <i>Environmental Science and Pollution Research</i> , 2019, 26, 659-671.	5.3	23
38	Proteomic and physiological analyses reveal the role of exogenous spermidine on cucumber roots in response to Ca(NO ₃) ₂ stress. <i>Plant Molecular Biology</i> , 2018, 97, 1-21.	3.9	27
39	Identification of microRNAs associated with the exogenous spermidine-mediated improvement of high-temperature tolerance in cucumber seedlings (<i>Cucumis sativus</i> L.). <i>BMC Genomics</i> , 2018, 19, 285.	2.8	14
40	24-Epibrassinolide-induced alterations in the root cell walls of <i>Cucumis sativus</i> L. under Ca(NO ₃) ₂ stress. <i>Protoplasma</i> , 2018, 255, 841-850.	2.1	8
41	Proteomic analysis of heat stress resistance of cucumber leaves when grafted onto <i>Momordica</i> rootstock. <i>Horticulture Research</i> , 2018, 5, 53.	6.3	42
42	The effect of exogenous calcium on cucumber fruit quality, photosynthesis, chlorophyll fluorescence, and fast chlorophyll fluorescence during the fruiting period under hypoxic stress. <i>BMC Plant Biology</i> , 2018, 18, 180.	3.6	61
43	Spermidine-mediated hydrogen peroxide signaling enhances the antioxidant capacity of salt-stressed cucumber roots. <i>Plant Physiology and Biochemistry</i> , 2018, 128, 152-162.	5.8	82
44	Involvement of metabolic, physiological and hormonal responses in the graft-compatible process of cucumber/pumpkin combinations was revealed through the integrative analysis of mRNA and miRNA expression. <i>Plant Physiology and Biochemistry</i> , 2018, 129, 368-380.	5.8	27
45	NaCl stress induces CsSAMs gene expression in <i>Cucumis sativus</i> by mediating the binding of CsGT-3b to the GT-1 element within the CsSAMs promoter. <i>Planta</i> , 2017, 245, 889-908.	3.2	16
46	Influence of exogenous spermidine on carbon and nitrogen metabolism under Ca(NO ₃) ₂ stress in cucumber root. <i>Plant Growth Regulation</i> , 2017, 81, 103-115.	3.4	21
47	<i>Paenibacillus polymyxa</i> NSY50 suppresses <i>Fusarium</i> wilt in cucumbers by regulating the rhizospheric microbial community. <i>Scientific Reports</i> , 2017, 7, 41234.	3.3	60
48	Isolation of a potential biocontrol agent <i>Paenibacillus polymyxa</i> NSY50 from vinegar waste compost and its induction of host defense responses against <i>Fusarium</i> wilt of cucumber. <i>Microbiological Research</i> , 2017, 202, 1-10.	5.3	43
49	NO accumulation alleviates H ₂ O ₂ -dependent oxidative damage induced by Ca(NO ₃) ₂ stress in the leaves of pumpkin-grafted cucumber seedlings. <i>Physiologia Plantarum</i> , 2017, 160, 33-45.	5.2	8
50	Proteomic Analysis Reveals the Positive Effect of Exogenous Spermidine in Tomato Seedlings' Response to High-Temperature Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 120.	3.6	44
51	Root Zone Cooling and Exogenous Spermidine Root-Pretreatment Promoting <i>Lactuca sativa</i> L. Growth and Photosynthesis in the High-temperature Season. <i>Frontiers in Plant Science</i> , 2016, 7, 368.	3.6	27
52	Proteomic and Physiological Analyses Reveal Putrescine Responses in Roots of Cucumber Stressed by NaCl. <i>Frontiers in Plant Science</i> , 2016, 7, 1035.	3.6	39
53	Abscisic Acid-Induced H ₂ O ₂ Accumulation Enhances Antioxidant Capacity in Pumpkin-Grafted Cucumber Leaves under Ca(NO ₃) ₂ Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 1489.	3.6	32
54	Proteomic Analysis Reveals the Positive Roles of the Plant-Growth-Promoting Rhizobacterium NSY50 in the Response of Cucumber Roots to <i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i> Inoculation. <i>Frontiers in Plant Science</i> , 2016, 7, 1859.	3.6	26

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55	Proteomics analysis of compatibility and incompatibility in grafted cucumber seedlings. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 21-28.	5.8	28
56	Exogenous spermidine delays chlorophyll metabolism in cucumber leaves (<i>Cucumis sativus</i> L.) under high temperature stress. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	2.1	23
57	Vinegar residue compost as a growth substrate enhances cucumber resistance against the Fusarium wilt pathogen <i>Fusarium oxysporum</i> by regulating physiological and biochemical responses. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18277-18287.	5.3	31
58	The role of 24-epibrassinolide in the regulation of photosynthetic characteristics and nitrogen metabolism of tomato seedlings under a combined low temperature and weak light stress. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 344-353.	5.8	138
59	Comparative proteomic analysis reveals the positive effect of exogenous spermidine on photosynthesis and salinity tolerance in cucumber seedlings. <i>Plant Cell Reports</i> , 2016, 35, 1769-1782.	5.6	42
60	Effects of exogenous putrescine on glycolysis and Krebs cycle metabolism in cucumber leaves subjected to salt stress. <i>Plant Growth Regulation</i> , 2016, 79, 319-330.	3.4	56
61	Root proteomics reveals cucumber 24-epibrassinolide responses under Ca(NO ₃) ₂ stress. <i>Plant Cell Reports</i> , 2016, 35, 1081-1101.	5.6	11
62	Mitigative effects of spermidine on photosynthesis and carbon-nitrogen balance of cucumber seedlings under Ca(NO ₃) ₂ stress. <i>Journal of Plant Research</i> , 2016, 129, 79-91.	2.4	12
63	Proteome Analysis of Roots in Cucumber Seedlings Under Iso-Osmotic NaCl and Ca(NO ₃) ₂ Stresses. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 303-317.	1.8	4
64	The role of putrescine in the regulation of proteins and fatty acids of thylakoid membranes under salt stress. <i>Scientific Reports</i> , 2015, 5, 14390.	3.3	95
65	The effect of exogenous calcium on mitochondria, respiratory metabolism enzymes and ion transport in cucumber roots under hypoxia. <i>Scientific Reports</i> , 2015, 5, 11391.	3.3	44
66	The effects of grafting on glycolysis and the tricarboxylic acid cycle in Ca(NO ₃) ₂ -stressed cucumber seedlings with pumpkin as rootstock. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	19
67	Effects of grafting with pumpkin rootstock on carbohydrate metabolism in cucumber seedlings under Ca(NO ₃) ₂ stress. <i>Plant Physiology and Biochemistry</i> , 2015, 87, 124-132.	5.8	36
68	Effects of Exogenous Putrescine on Leaf Anatomy and Carbohydrate Metabolism in Cucumber (<i>Cucumis sativus</i> L.) Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2015, 34, 451-464.	5.1	23
69	Regulation of 2,4-epibrassinolide on mineral nutrient uptake and ion distribution in Ca(NO ₃) ₂ stressed cucumber plants. <i>Journal of Plant Physiology</i> , 2015, 188, 29-36.	3.5	31
70	Effect of vinegar residue compost amendments on cucumber growth and Fusarium wilt. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19133-19141.	5.3	25
71	Bottle gourd rootstock-grafting promotes photosynthesis by regulating the stomata and non-stomata performances in leaves of watermelon seedlings under NaCl stress. <i>Journal of Plant Physiology</i> , 2015, 186-187, 50-58.	3.5	30
72	24-Epibrassinolide regulates carbohydrate metabolism and increases polyamine content in cucumber exposed to Ca(NO ₃) ₂ stress. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2845-2852.	2.1	25

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73	Effects of exogenous spermidine on photosynthetic capacity and expression of Calvin cycle genes in salt-stressed cucumber seedlings. <i>Journal of Plant Research</i> , 2014, 127, 763-773.	2.4	52
74	Effects of Exogenous Putrescine on Chlorophyll Fluorescence Imaging and Heat Dissipation Capacity in Cucumber (<i>Cucumis sativus</i> L.) Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 798-808.	5.1	46
75	Effects of different light quality on growth, chlorophyll concentration and chlorophyll biosynthesis precursors of non-heading Chinese cabbage (<i>Brassica campestris</i> L.). <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2721-2726.	2.1	130
76	Effects of exogenous spermine on chlorophyll fluorescence, antioxidant system and ultrastructure of chloroplasts in <i>Cucumis sativus</i> L. under salt stress. <i>Plant Physiology and Biochemistry</i> , 2013, 63, 209-216.	5.8	176
77	Effects of 24-epibrassinolide on ascorbate-glutathione cycle and polyamine levels in cucumber roots under Ca(NO ₃) ₂ stress. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 253-262.	2.1	23
78	Proteomics reveal cucumber Spd-responses under normal condition and salt stress. <i>Plant Physiology and Biochemistry</i> , 2013, 67, 7-14.	5.8	54
79	Exogenous Spermidine Inhibits Ethylene Production in Leaves of Cucumber Seedlings under NaCl Stress. <i>Journal of the American Society for Horticultural Science</i> , 2013, 138, 108-113.	1.0	17
80	Proteomic analysis of the effects of exogenous calcium on hypoxic-responsive proteins in cucumber roots. <i>Proteome Science</i> , 2012, 10, 42.	1.7	41
81	Effect of root applied 24-epibrassinolide on carbohydrate status and fermentative enzyme activities in cucumber (<i>Cucumis sativus</i> L.) seedlings under hypoxia. <i>Plant Growth Regulation</i> , 2009, 57, 259-269.	3.4	42
82	Effects of exogenous spermidine on the photosynthesis of <i>Cucumis sativus</i> L. seedlings under rhizosphere hypoxia stress. <i>Frontiers of Agriculture in China</i> , 2008, 2, 55-60.	0.2	4
83	Effects of exogenous nitric oxide on growth, active oxygen species metabolism, and photosynthetic characteristics in cucumber seedlings under NaCl stress. <i>Frontiers of Agriculture in China</i> , 2007, 1, 308-314.	0.2	94
84	Effects of polyamines on K ⁺ , Na ⁺ and Cl ⁻ content and distribution in different organs of cucumber (<i>Cucumis sativus</i> L.) seedlings under NaCl stress. <i>Frontiers of Agriculture in China</i> , 2007, 1, 430-437.	0.2	2