

Jing-Quan Yu

List of Publications by Year in descending order

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185
papers

16,000
citations

12330

69
h-index

19190

118
g-index

185
all docs

185
docs citations

185
times ranked

13762
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Functional Analysis of the Arabidopsis <i>PAL</i> Gene Family in Plant Growth, Development, and Response to Environmental Stress. <i>Plant Physiology</i> , 2010, 153, 1526-1538.	4.8	668
3	Reactive Oxygen Species Are Involved in Brassinosteroid-Induced Stress Tolerance in Cucumber. <i>Plant Physiology</i> , 2009, 150, 801-814.	4.8	640
4	Interplay between reactive oxygen species and hormones in the control of plant development and stress tolerance. <i>Journal of Experimental Botany</i> , 2015, 66, 2839-2856.	4.8	572
5	Neglecting legumes has compromised human health and sustainable food production. <i>Nature Plants</i> , 2016, 2, 16112.	9.3	529
6	NBR1-Mediated Selective Autophagy Targets Insoluble Ubiquitinated Protein Aggregates in Plant Stress Responses. <i>PLoS Genetics</i> , 2013, 9, e1003196.	3.5	281
7	Melatonin mitigates cadmium phytotoxicity through modulation of phytochelatin biosynthesis, vacuolar sequestration, and antioxidant potential in <i>Solanum lycopersicum</i> L. <i>Frontiers in Plant Science</i> , 2015, 6, 601.	3.6	278
8	Protein-Protein Interactions in the Regulation of WRKY Transcription Factors. <i>Molecular Plant</i> , 2013, 6, 287-300.	8.3	276
9	Benefits of brassinosteroid crosstalk. <i>Trends in Plant Science</i> , 2012, 17, 594-605.	8.8	271
10	<i>Arabidopsis</i> Sigma Factor Binding Proteins Are Activators of the WRKY33 Transcription Factor in Plant Defense. <i>Plant Cell</i> , 2011, 23, 3824-3841.	6.6	260
11	H ₂ O ₂ mediates the crosstalk of brassinosteroid and abscisic acid in tomato responses to heat and oxidative stresses. <i>Journal of Experimental Botany</i> , 2014, 65, 4371-4383.	4.8	257
12	Plant-Soil Feedbacks and Soil Sickness: From Mechanisms to Application in Agriculture. <i>Journal of Chemical Ecology</i> , 2013, 39, 232-242.	1.8	248
13	Brassinosteroids promote photosynthesis and growth by enhancing activation of Rubisco and expression of photosynthetic genes in <i>Cucumis sativus</i> . <i>Planta</i> , 2009, 230, 1185-1196.	3.2	232
14	Role of brassinosteroids in alleviation of phenanthrene-cadmium co-contamination-induced photosynthetic inhibition and oxidative stress in tomato. <i>Journal of Experimental Botany</i> , 2013, 64, 199-213.	4.8	230
15	Effects of light quality on CO ₂ assimilation, chlorophyll-fluorescence quenching, expression of Calvin cycle genes and carbohydrate accumulation in <i>Cucumis sativus</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 96, 30-37.	3.8	226
16	HsfA1a upregulates melatonin biosynthesis to confer cadmium tolerance in tomato plants. <i>Journal of Pineal Research</i> , 2017, 62, e12387.	7.4	219
17	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
18	Structural and Functional Analysis of VQ Motif-Containing Proteins in Arabidopsis as Interacting Proteins of WRKY Transcription Factors. <i>Plant Physiology</i> , 2012, 159, 810-825.	4.8	216

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19	Melatonin enhances thermotolerance by promoting cellular protein protection in tomato plants. <i>Journal of Pineal Research</i> , 2016, 61, 457-469.	7.4	216
20	Phytochrome A and B Function Antagonistically to Regulate Cold Tolerance via Abscisic Acid-Dependent Jasmonate Signaling. <i>Plant Physiology</i> , 2016, 170, 459-471.	4.8	216
21	Melatonin mediates selenium-induced tolerance to cadmium stress in tomato plants. <i>Journal of Pineal Research</i> , 2016, 61, 291-302.	7.4	211
22	Tomato HsfA1a plays a critical role in plant drought tolerance by activating <i>ATG</i> genes and inducing autophagy. <i>Autophagy</i> , 2015, 11, 2033-2047.	9.1	166
23	Role and regulation of autophagy in heat stress responses of tomato plants. <i>Frontiers in Plant Science</i> , 2014, 5, 174.	3.6	162
24	Role of nitric oxide in hydrogen peroxide-dependent induction of abiotic stress tolerance by brassinosteroids in cucumber. <i>Plant, Cell and Environment</i> , 2011, 34, 347-358.	5.7	160
25	Chromium Stress Mitigation by Polyamine-Brassinosteroid Application Involves Phytohormonal and Physiological Strategies in <i>Raphanus sativus</i> L. <i>PLoS ONE</i> , 2012, 7, e33210.	2.5	159
26	Phytomelatonin: Recent advances and future prospects. <i>Journal of Pineal Research</i> , 2018, 65, e12526.	7.4	148
27	Interaction of Brassinosteroids and Polyamines Enhances Copper Stress Tolerance in <i>Raphanus Sativus</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 5659-5675.	4.8	142
28	Role of H_2O_2 dynamics in brassinosteroid-induced stomatal closure and opening in <i>Solanum lycopersicum</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 2036-2050.	5.7	139
29	The <i>Zip</i> transcription factor <i>HY5</i> mediates <i>CRY1a</i> -induced anthocyanin biosynthesis in tomato. <i>Plant, Cell and Environment</i> , 2018, 41, 1762-1775.	5.7	138
30	Hydrogen peroxide mediates abscisic acid-induced <i>HSP</i> 70 accumulation and heat tolerance in grafted cucumber plants. <i>Plant, Cell and Environment</i> , 2014, 37, 2768-2780.	5.7	135
31	Involvement of an ethylene response factor in chlorophyll degradation during citrus fruit greening. <i>Plant Journal</i> , 2016, 86, 403-412.	5.7	130
32	<i>RBOH1</i> -dependent H_2O_2 production and subsequent activation of <i>MPK1/2</i> play an important role in acclimation-induced cross-tolerance in tomato. <i>Journal of Experimental Botany</i> , 2014, 65, 595-607.	4.8	129
33	Incidence of <i>Fusarium</i> wilt in <i>Cucumis sativus</i> L. is promoted by cinnamic acid, an autotoxin in root exudates. <i>Plant and Soil</i> , 2004, 263, 143-150.	3.7	128
34	E3 Ubiquitin Ligase CHIP and NBR1-Mediated Selective Autophagy Protect Additively against Proteotoxicity in Plant Stress Responses. <i>PLoS Genetics</i> , 2014, 10, e1004116.	3.5	127
35	Induction of systemic stress tolerance by brassinosteroid in <i>Cucumis sativus</i> . <i>New Phytologist</i> , 2011, 191, 706-720.	7.3	124
36	Cellular glutathione redox homeostasis plays an important role in the brassinosteroid-induced increase in CO_2 assimilation in <i>Cucumis sativus</i> . <i>New Phytologist</i> , 2012, 194, 932-943.	7.3	120

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37	A Plant Phytosulfokine Peptide Initiates Auxin-Dependent Immunity through Cytosolic Ca ²⁺ Signaling in Tomato. <i>Plant Cell</i> , 2018, 30, 652-667.	6.6	120
38	Antagonism between phytohormone signalling underlies the variation in disease susceptibility of tomato plants under elevated CO ₂ . <i>Journal of Experimental Botany</i> , 2015, 66, 1951-1963.	4.8	116
39	BZR1 Mediates Brassinosteroid-Induced Autophagy and Nitrogen Starvation in Tomato. <i>Plant Physiology</i> , 2019, 179, 671-685.	4.8	114
40	A Combined Approach of High-Throughput Sequencing and Degradome Analysis Reveals Tissue Specific Expression of MicroRNAs and Their Targets in Cucumber. <i>PLoS ONE</i> , 2012, 7, e33040.	2.5	113
41	Glutathione-mediated regulation of nitric oxide, S-nitrosothiol and redox homeostasis confers cadmium tolerance by inducing transcription factors and stress response genes in tomato. <i>Chemosphere</i> , 2016, 161, 536-545.	8.2	111
42	Brassinosteroid alleviates phenanthrene and pyrene phytotoxicity by increasing detoxification activity and photosynthesis in tomato. <i>Chemosphere</i> , 2012, 86, 546-555.	8.2	110
43	Brassinosteroids play a critical role in the regulation of pesticide metabolism in crop plants. <i>Scientific Reports</i> , 2015, 5, 9018.	3.3	110
44	Brassinosteroids accelerate recovery of photosynthetic apparatus from cold stress by balancing the electron partitioning, carboxylation and redox homeostasis in cucumber. <i>Physiologia Plantarum</i> , 2013, 148, 133-145.	5.2	107
45	Degradation of chlorpyrifos in laboratory soil and its impact on soil microbial functional diversity. <i>Journal of Environmental Sciences</i> , 2009, 21, 380-386.	6.1	103
46	Guard cell hydrogen peroxide and nitric oxide mediate elevated CO ₂ -induced stomatal movement in tomato. <i>New Phytologist</i> , 2015, 208, 342-353.	7.3	95
47	Brassinosteroid-mediated apoplastic H ₂ O ₂ -glutaredoxin 12/14 cascade regulates antioxidant capacity in response to chilling in tomato. <i>Plant, Cell and Environment</i> , 2018, 41, 1052-1064.	5.7	95
48	Photoprotective roles of anthocyanins in <i>Begonia semperflorens</i> . <i>Plant Science</i> , 2010, 179, 202-208.	3.6	93
49	Brassinosteroid alleviates polychlorinated biphenyls-induced oxidative stress by enhancing antioxidant enzymes activity in tomato. <i>Chemosphere</i> , 2013, 90, 2645-2653.	8.2	92
50	BZR1 Transcription Factor Regulates Heat Stress Tolerance Through FERONIA Receptor-Like Kinase-Mediated Reactive Oxygen Species Signaling in Tomato. <i>Plant and Cell Physiology</i> , 2018, 59, 2239-2254.	3.1	91
51	Chill-Induced Decrease in Capacity of RuBP Carboxylation and Associated H ₂ O ₂ Accumulation in Cucumber Leaves are Alleviated by Grafting onto Figleaf Gourd. <i>Annals of Botany</i> , 2007, 100, 839-848.	2.9	90
52	Arabidopsis LIP5, a Positive Regulator of Multivesicular Body Biogenesis, Is a Critical Target of Pathogen-Responsive MAPK Cascade in Plant Basal Defense. <i>PLoS Pathogens</i> , 2014, 10, e1004243.	4.7	90
53	Brassinosteroids Act as a Positive Regulator of Photoprotection in Response to Chilling Stress. <i>Plant Physiology</i> , 2019, 180, 2061-2076.	4.8	90
54	Systemic Root-Shoot Signaling Drives Jasmonate-Based Root Defense against Nematodes. <i>Current Biology</i> , 2019, 29, 3430-3438.e4.	3.9	89

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55	Genotypic Variation of Rubisco Expression, Photosynthetic Electron Flow and Antioxidant Metabolism in the Chloroplasts of Chill-exposed Cucumber Plants. <i>Plant and Cell Physiology</i> , 2006, 47, 192-199.	3.1	87
56	Characterization of the promoter and extended C-terminal domain of Arabidopsis WRKY33 and functional analysis of tomato WRKY33 homologues in plant stress responses. <i>Journal of Experimental Botany</i> , 2015, 66, 4567-4583.	4.8	86
57	Role of Brassinosteroid in Plant Adaptation to Abiotic Stresses and its Interplay with Other Hormones. <i>Current Protein and Peptide Science</i> , 2015, 16, 462-473.	1.4	86
58	Systemic Induction and Role of Mitochondrial Alternative Oxidase and Nitric Oxide in a Compatible Tomato–Tobacco mosaic virus Interaction. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 39-48.	2.6	85
59	Light Signaling-Dependent Regulation of Photoinhibition and Photoprotection in Tomato. <i>Plant Physiology</i> , 2018, 176, 1311-1326.	4.8	85
60	Brassinosteroid Ameliorates Zinc Oxide Nanoparticles-Induced Oxidative Stress by Improving Antioxidant Potential and Redox Homeostasis in Tomato Seedling. <i>Frontiers in Plant Science</i> , 2016, 7, 615.	3.6	84
61	<i>DWARF</i> overexpression induces alteration in phytohormone homeostasis, development, architecture and carotenoid accumulation in tomato. <i>Plant Biotechnology Journal</i> , 2016, 14, 1021-1033.	8.3	83
62	Effects of cucumber mosaic virus infection on electron transport and antioxidant system in chloroplasts and mitochondria of cucumber and tomato leaves. <i>Physiologia Plantarum</i> , 2009, 135, 246-257.	5.2	82
63	The growth, photosynthesis and antioxidant defense responses of five vegetable crops to phenanthrene stress. <i>Ecotoxicology and Environmental Safety</i> , 2012, 80, 132-139.	6.0	82
64	The perplexing role of autophagy in plant innate immune responses. <i>Molecular Plant Pathology</i> , 2014, 15, 637-645.	4.2	82
65	RNA-seq analysis reveals the role of red light in resistance against <i>Pseudomonas syringae</i> pv. tomato DC3000 in tomato plants. <i>BMC Genomics</i> , 2015, 16, 120.	2.8	82
66	Cytokinin-Induced Parthenocarpic Fruit Development in Tomato Is Partly Dependent on Enhanced Gibberellin and Auxin Biosynthesis. <i>PLoS ONE</i> , 2013, 8, e70080.	2.5	79
67	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
68	Systemic induction of photosynthesis via illumination of the shoot apex is mediated by phytochrome B. <i>Plant Physiology</i> , 2016, 172, pp.01202.2016.	4.8	73
69	The role of calcium-dependent protein kinase in hydrogen peroxide, nitric oxide and ABA-dependent cold acclimation. <i>Journal of Experimental Botany</i> , 2018, 69, 4127-4139.	4.8	73
70	Histone acetylation recruits the SWR1 complex to regulate active DNA demethylation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16641-16650.	7.1	73
71	Stimulated Leaf Dark Respiration in Tomato in an Elevated Carbon Dioxide Atmosphere. <i>Scientific Reports</i> , 2013, 3, 3433.	3.3	72
72	SHY5 Integrates Temperature, Light, and Hormone Signaling to Balance Plant Growth and Cold Tolerance. <i>Plant Physiology</i> , 2019, 179, 749-760.	4.8	71

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73	Brassinosteroids induce plant tolerance against phenanthrene by enhancing degradation and detoxification in <i>Solanum lycopersicum</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2012, 80, 28-36.	6.0	68
74	Crosstalk of PIF4 and DELLA modulates CBF transcript and hormone homeostasis in cold response in tomato. <i>Plant Biotechnology Journal</i> , 2020, 18, 1041-1055.	8.3	65
75	Alleviation of chilling-induced oxidative damage by salicylic acid pretreatment and related gene expression in eggplant seedlings. <i>Plant Growth Regulation</i> , 2011, 65, 101-108.	3.4	63
76	Genome-Wide Identification and Expression Analysis of Calcium-dependent Protein Kinase in Tomato. <i>Frontiers in Plant Science</i> , 2016, 7, 469.	3.6	62
77	The protein kinase CPK28 phosphorylates ascorbate peroxidase and enhances thermotolerance in tomato. <i>Plant Physiology</i> , 2021, 186, 1302-1317.	4.8	61
78	Brassinosteroids act as a positive regulator for resistance against root-knot nematode involving RESPIRATORY BURST OXIDASE HOMOLOG-dependent activation of MAPKs in tomato. <i>Plant, Cell and Environment</i> , 2018, 41, 1113-1125.	5.7	59
79	Strigolactones positively regulate defense against root-knot nematodes in tomato. <i>Journal of Experimental Botany</i> , 2019, 70, 1325-1337.	4.8	59
80	Involvement of nitric oxide in the jasmonate-dependent basal defense against root-knot nematode in tomato plants. <i>Frontiers in Plant Science</i> , 2015, 6, 193.	3.6	57
81	Grafting cucumber onto luffa improves drought tolerance by increasing ABA biosynthesis and sensitivity. <i>Scientific Reports</i> , 2016, 6, 20212.	3.3	57
82	Overexpression of a brassinosteroid biosynthetic gene Dwarf enhances photosynthetic capacity through activation of Calvin cycle enzymes in tomato. <i>BMC Plant Biology</i> , 2016, 16, 33.	3.6	57
83	24-Epibrassinolide alleviates organic pollutants-retarded root elongation by promoting redox homeostasis and secondary metabolism in <i>Cucumis sativus</i> L. <i>Environmental Pollution</i> , 2017, 229, 922-931.	7.5	57
84	Role of ethylene biosynthesis and signaling in elevated CO ₂ -induced heat stress response in tomato. <i>Planta</i> , 2019, 250, 563-572.	3.2	57
85	Tomato <i>GLR3.3</i> and <i>GLR3.5</i> mediate cold acclimation-induced chilling tolerance by regulating apoplastic H ₂ O ₂ production and redox homeostasis. <i>Plant, Cell and Environment</i> , 2019, 42, 3326-3339.	5.7	56
86	The <i>HY5</i> and <i>MYB15</i> transcription factors positively regulate cold tolerance in tomato via the <i>CBF</i> pathway. <i>Plant, Cell and Environment</i> , 2020, 43, 2712-2726.	5.7	56
87	Brassinosteroids act as a positive regulator of NBR1-dependent selective autophagy in response to chilling stress in tomato. <i>Journal of Experimental Botany</i> , 2020, 71, 1092-1106.	4.8	56
88	Salicylic acid binding of mitochondrial alpha-ketoglutarate dehydrogenase E2 affects mitochondrial oxidative phosphorylation and electron transport chain components and plays a role in basal defense against tobacco mosaic virus in tomato. <i>New Phytologist</i> , 2015, 205, 1296-1307.	7.3	55
89	Brassinosteroid-mediated reactive oxygen species are essential for tapetum degradation and pollen fertility in tomato. <i>Plant Journal</i> , 2020, 102, 931-947.	5.7	55
90	Impact of Light Variation on Development of Photoprotection, Antioxidants, and Nutritional Value in <i>Lactuca sativa</i> L.. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5494-5500.	5.2	53

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91	Glutathione biosynthesis and regeneration play an important role in the metabolism of chlorothalonil in tomato. <i>Chemosphere</i> , 2013, 90, 2563-2570.	8.2	52
92	Microarray and genetic analysis reveals that <i>csa-miR159b</i> plays a critical role in abscisic acid-mediated heat tolerance in grafted cucumber plants. <i>Plant, Cell and Environment</i> , 2016, 39, 1790-1804.	5.7	52
93	Heat Shock Factor HsfA1a Is Essential for <i>R</i> Gene-Mediated Nematode Resistance and Triggers H ₂ O ₂ Production. <i>Plant Physiology</i> , 2018, 176, 2456-2471.	4.8	52
94	Brassinosteroids-Induced Systemic Stress Tolerance was Associated with Increased Transcripts of Several Defence-Related Genes in the Phloem in <i>Cucumis sativus</i> . <i>PLoS ONE</i> , 2013, 8, e66582.	2.5	52
95	Chill-Induced Inhibition of Photosynthesis: Genotypic Variation within <i>Cucumis sativus</i> . <i>Plant and Cell Physiology</i> , 2002, 43, 1182-1188.	3.1	50
96	Detached leaves of tomato differ in their photosynthetic physiological response to moderate high and low temperature stress. <i>Scientia Horticulturae</i> , 2009, 123, 17-22.	3.6	49
97	The different responses of glutathione-dependent detoxification pathway to fungicide chlorothalonil and carbendazim in tomato leaves. <i>Chemosphere</i> , 2010, 79, 958-965.	8.2	49
98	Effects of nitrogen form on growth, CO ₂ assimilation, chlorophyll fluorescence, and photosynthetic electron allocation in cucumber and rice plants. <i>Journal of Zhejiang University: Science B</i> , 2011, 12, 126-134.	2.8	49
99	High atmospheric carbon dioxide-dependent alleviation of salt stress is linked to RESPIRATORY BURST OXIDASE 1 (<i>RBOH1</i>)-dependent H ₂ O ₂ production in tomato (<i>Solanum</i>) Tj ETQ. <i>PLoS ONE</i> 10.784914	4.3	49
100	Apoplastic H ₂ O ₂ plays a critical role in axillary bud outgrowth by altering auxin and cytokinin homeostasis in tomato plants. <i>New Phytologist</i> , 2016, 211, 1266-1278.	7.3	49
101	Brassinosteroid signaling integrates multiple pathways to release apical dominance in tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
102	Crosstalk between Nitric Oxide and MPK1/2 Mediates Cold Acclimation-induced Chilling Tolerance in Tomato. <i>Plant and Cell Physiology</i> , 2017, 58, 1963-1975.	3.1	47
103	Strigolactones positively regulate abscisic acid-dependent heat and cold tolerance in tomato. <i>Horticulture Research</i> , 2021, 8, 237.	6.3	47
104	The reduction of reactive oxygen species formation by mitochondrial alternative respiration in tomato basal defense against TMV infection. <i>Planta</i> , 2012, 235, 225-238.	3.2	46
105	Hydrogen peroxide functions as a secondary messenger for brassinosteroids-induced CO ₂ assimilation and carbohydrate metabolism in <i>Cucumis sativus</i> . <i>Journal of Zhejiang University: Science B</i> , 2012, 13, 811-823.	2.8	45
106	The Role of Hydrogen Peroxide and Nitric Oxide in the Induction of Plant-Encoded RNA-Dependent RNA Polymerase 1 in the Basal Defense against Tobacco Mosaic Virus. <i>PLoS ONE</i> , 2013, 8, e76090.	2.5	45
107	Grafting of <i>Cucumis sativus</i> onto <i>Cucurbita ficifolia</i> leads to improved plant growth, increased light utilization and reduced accumulation of reactive oxygen species in chilled plants. <i>Journal of Plant Research</i> , 2009, 122, 529-540.	2.4	44
108	Tomato <i>CRY1a</i> plays a critical role in the regulation of phytohormone homeostasis, plant development, and carotenoid metabolism in fruits. <i>Plant, Cell and Environment</i> , 2018, 41, 354-366.	5.7	44

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109	A Method of High Throughput Monitoring Crop Physiology Using Chlorophyll Fluorescence and Multispectral Imaging. <i>Frontiers in Plant Science</i> , 2018, 9, 407.	3.6	44
110	Interactive effects of CO ₂ enrichment and brassinosteroid on CO ₂ assimilation and photosynthetic electron transport in <i>Cucumis sativus</i> . <i>Environmental and Experimental Botany</i> , 2012, 75, 98-106.	4.2	43
111	Low O ₂ supply is involved in the poor growth in root-restricted plants of tomato (<i>Lycopersicon</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.2	40
112	Tomato- <i>Pseudomonas syringae</i> interactions under elevated CO ₂ concentration: the role of stomata. <i>Journal of Experimental Botany</i> , 2015, 66, 307-316.	4.8	40
113	Effects of Potato Virus Y^{NTN} Infection on Gas Exchange and Photosystem 2 Function in Leaves of <i>Solanum tuberosum</i> L.. <i>Photosynthetica</i> , 2004, 42, 417-423.	1.7	39
114	The sub/supra-€optimal temperature-€induced inhibition of photosynthesis and oxidative damage in cucumber leaves are alleviated by grafting onto fig/leaf gourd/luffa rootstocks. <i>Physiologia Plantarum</i> , 2014, 152, 571-584.	5.2	39
115	Interplay between mitogen-activated protein kinase and nitric oxide in brassinosteroid-induced pesticide metabolism in <i>Solanum lycopersicum</i> . <i>Journal of Hazardous Materials</i> , 2016, 316, 221-231.	12.4	39
116	Effects of calcium cyanamide on soil microbial communities and <i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i> . <i>Chemosphere</i> , 2009, 75, 872-877.	8.2	37
117	Enhanced photosynthetic capacity and antioxidant potential mediate brassinosteroid-induced phenanthrene stress tolerance in tomato. <i>Environmental Pollution</i> , 2015, 201, 58-66.	7.5	37
118	Induction of systemic resistance in tomato against <i>Botrytis cinerea</i> by N-decanoyl-homoserine lactone via jasmonic acid signaling. <i>Planta</i> , 2018, 247, 1217-1227.	3.2	37
119	Glutaredoxin GRXS16 mediates brassinosteroid-induced apoplastic H ₂ O ₂ production to promote pesticide metabolism in tomato. <i>Environmental Pollution</i> , 2018, 240, 227-234.	7.5	37
120	Nitrogen forms and metabolism affect plant defence to foliar and root pathogens in tomato. <i>Plant, Cell and Environment</i> , 2021, 44, 1596-1610.	5.7	37
121	The phyB-€dependent induction of HY5 promotes iron uptake by systemically activating <i>FER</i> expression. <i>EMBO Reports</i> , 2021, 22, e51944.	4.5	37
122	Transcriptomic and genetic approaches reveal an essential role of the NAC transcription factor SINAP1 in the growth and defense response of tomato. <i>Horticulture Research</i> , 2020, 7, 209.	6.3	37
123	Diurnal variations in gas exchange, chlorophyll fluorescence quenching and light allocation in soybean leaves: The cause for midday depression in CO ₂ assimilation. <i>Scientia Horticulturae</i> , 2006, 110, 214-218.	3.6	35
124	Phosphorus and magnesium interactively modulate the elongation and directional growth of primary roots in <i>Arabidopsis thaliana</i> (L.) Heynh. <i>Journal of Experimental Botany</i> , 2015, 66, 3841-3854.	4.8	35
125	The <scp>miR164a-€NAM3</scp> module confers cold tolerance by inducing ethylene production in tomato. <i>Plant Journal</i> , 2022, 111, 440-456.	5.7	35
126	Hinoki (<i>Chamaecyparis obtusa</i>) bark, a substrate with anti-pathogen properties that suppress some root diseases of tomato. <i>Scientia Horticulturae</i> , 1999, 81, 13-24.	3.6	34

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127	Interactions between 2-Cys peroxiredoxins and ascorbate in autophagosome formation during the heat stress response in <i>Solanum lycopersicum</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 1919-1933.	4.8	34
128	Unraveling Main Limiting Sites of Photosynthesis under Below- and Above-Ground Heat Stress in Cucumber and the Alleviatory Role of Luffa Rootstock. <i>Frontiers in Plant Science</i> , 2016, 7, 746.	3.6	33
129	Chloroplastic thioredoxin-f and thioredoxin-m1/4 play important roles in brassinosteroids-induced changes in CO ₂ assimilation and cellular redox homeostasis in tomato. <i>Journal of Experimental Botany</i> , 2014, 65, 4335-4347.	4.8	32
130	Ethylene response factors 15 and 16 trigger jasmonate biosynthesis in tomato during herbivore resistance. <i>Plant Physiology</i> , 2021, 185, 1182-1197.	4.8	32
131	Melatonin promotes metabolism of bisphenol A by enhancing glutathione-dependent detoxification in <i>Solanum lycopersicum</i> L. <i>Journal of Hazardous Materials</i> , 2020, 388, 121727.	12.4	31
132	Root restriction-induced limitation to photosynthesis in tomato (<i>Lycopersicon esculentum</i> Mill.) leaves. <i>Scientia Horticulturae</i> , 2008, 117, 197-202.	3.6	30
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