Golam Jalal Ahammed

List of Publications by Citations

152 papers	4,799 citations	37 h-index	62 g-index
165 ext. papers	6,787 ext. citations	5.4 avg, IF	6.28 L-index

#	Paper	IF	Citations
152	Applications of Nanotechnology in Plant Growth and Crop Protection: A Review. *Molecules*, **2019**, 24,	4.8	316
151	Responses of Plant Proteins to Heavy Metal Stress-A Review. *Frontiers in Plant Science*, **2017**, 8, 1492	6.2	194
150	Role of brassinosteroids in alleviation of phenanthrene-cadmium co-contamination-induced photosynthetic inhibition and oxidative stress in tomato. *Journal of Experimental Botany*, **2013**, 64, 199-213	7	182
149	Melatonin mitigates cadmium phytotoxicity through modulation of phytochelatins biosynthesis, vacuolar sequestration, and antioxidant potential in Solanum lycopersicum L. *Frontiers in Plant Science*, **2015**, 6, 601	6.2	174
148	Melatonin enhances thermotolerance by promoting cellular protein protection in tomato plants. *Journal of Pineal Research*, **2016**, 61, 457-469	10.4	146
147	Melatonin mediates selenium-induced tolerance to cadmium stress in tomato plants. *Journal of Pineal Research*, **2016**, 61, 291-302	10.4	140
146	HsfA1a upregulates melatonin biosynthesis to confer cadmium tolerance in tomato plants. *Journal of Pineal Research*, **2017**, 62, e12387	10.4	130
145	Crosstalk among Jasmonate, Salicylate and Ethylene Signaling Pathways in Plant Disease and Immune Responses. *Current Protein and Peptide Science*, **2015**, 16, 450-61	2.8	119
144	Combined Inoculation with Multiple Arbuscular Mycorrhizal Fungi Improves Growth, Nutrient Uptake and Photosynthesis in Cucumber Seedlings. *Frontiers in Microbiology*, **2017**, 8, 2516	5.7	93
143	Melatonin Inhibits Cadmium Translocation and Enhances Plant Tolerance by Regulating Sulfur Uptake and Assimilation in L. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10563-10576	5.7	87
142	Endogenous melatonin deficiency aggravates high temperature-induced oxidative stress in Solanum lycopersicum L.. *Environmental and Experimental Botany*, **2019**, 161, 303-311	5.9	87
141	Brassinosteroid alleviates phenanthrene and pyrene phytotoxicity by increasing detoxification activity and photosynthesis in tomato. *Chemosphere*, **2012**, 86, 546-55	8.4	86
140	Brassinosteroids in Plant Tolerance to Abiotic Stress. *Journal of Plant Growth Regulation*, **2020**, 39, 1451-1464	4.7	80
139	Glutathione-mediated regulation of nitric oxide, S-nitrosothiol and redox homeostasis confers cadmium tolerance by inducing transcription factors and stress response genes in tomato. *Chemosphere*, **2016**, 161, 536-545	8.4	72
138	Melatonin alleviates iron stress by improving iron homeostasis, antioxidant defense and secondary metabolism in cucumber. *Scientia Horticulturae*, **2020**, 265, 109205	4.1	68
137	Brassinosteroid alleviates polychlorinated biphenyls-induced oxidative stress by enhancing antioxidant enzymes activity in tomato. *Chemosphere*, **2013**, 90, 2645-53	8.4	68
136	Role of brassinosteroid in plant adaptation to abiotic stresses and its interplay with other hormones. *Current Protein and Peptide Science*, **2015**, 16, 462-73	2.8	67

135	The growth, photosynthesis and antioxidant defense responses of five vegetable crops to phenanthrene stress. *Ecotoxicology and Environmental Safety*, **2012**, 80, 132-9	7	64
134	Silicon Compensates Phosphorus Deficit-Induced Growth Inhibition by Improving Photosynthetic Capacity, Antioxidant Potential, and Nutrient Homeostasis in Tomato. *Agronomy*, **2019**, 9, 733	3.6	64
133	Selenium forms and methods of application differentially modulate plant growth, photosynthesis, stress tolerance, selenium content and speciation in Oryza sativa L. *Ecotoxicology and Environmental Safety*, **2019**, 169, 911-917	7	63
132	Silencing Aggravates Heat Stress-Induced Reduction in Photosynthesis by Decreasing Chlorophyll Content, Photosystem II Activity, and Electron Transport Efficiency in Tomato. *Frontiers in Plant Science*, **2018**, 9, 998	6.2	61
131	Melatonin alleviates nickel phytotoxicity by improving photosynthesis, secondary metabolism and oxidative stress tolerance in tomato seedlings. *Ecotoxicology and Environmental Safety*, **2020**, 197, 110593	7	61
130	Brassinosteroid Ameliorates Zinc Oxide Nanoparticles-Induced Oxidative Stress by Improving Antioxidant Potential and Redox Homeostasis in Tomato Seedling. *Frontiers in Plant Science*, **2016**, 7, 615	6.2	60
129	Brassinosteroids induce plant tolerance against phenanthrene by enhancing degradation and detoxification in Solanum lycopersicum L. *Ecotoxicology and Environmental Safety*, **2012**, 80, 28-36	7	56
128	Brassinosteroid regulates secondary metabolism in tomato towards enhanced tolerance to phenanthrene. *Biologia Plantarum*, **2013**, 57, 154-158	2.1	55
127	Nitric oxide mediates brassinosteroid-induced flavonoid biosynthesis in Camellia sinensis L. *Journal of Plant Physiology*, **2017**, 214, 145-151	3.6	53
126	Light Signaling-Dependent Regulation of Photoinhibition and Photoprotection in Tomato. *Plant Physiology*, **2018**, 176, 1311-1326	6.6	52
125	Tomato WRKY81 acts as a negative regulator for drought tolerance by modulating guard cell H2O2mediated stomatal closure. *Environmental and Experimental Botany*, **2020**, 171, 103960	5.9	51
124	Epigallocatechin-3-Gallate Alleviates Salinity-Retarded Seed Germination and Oxidative Stress in Tomato. *Journal of Plant Growth Regulation*, **2018**, 37, 1349-1356	4.7	50
123	DWARF overexpression induces alteration in phytohormone homeostasis, development, architecture and carotenoid accumulation in tomato. *Plant Biotechnology Journal*, **2016**, 14, 1021-33	11.6	50
122	Carbon dioxide enrichment alleviates heat stress by improving cellular redox homeostasis through an ABA-independent process in tomato plants. *Plant Biology*, **2015**, 17, 81-9	3.7	48
121	Systemic Induction of Photosynthesis via Illumination of the Shoot Apex Is Mediated Sequentially by Phytochrome B, Auxin and Hydrogen Peroxide in Tomato. *Plant Physiology*, **2016**, 172, 1259-1272	6.6	46
120	Stimulation in primary and secondary metabolism by elevated carbon dioxide alters green tea quality in Camellia sinensis L. *Scientific Reports*, **2017**, 7, 7937	4.9	46
119	Salicylic acid acts upstream of nitric oxide in elevated carbon dioxide-induced flavonoid biosynthesis in tea plant (Camellia sinensis L.). *Environmental and Experimental Botany*, **2019**, 161, 367-374	5.9	42
118	Altitudinal effects on the quality of green tea in east China: a climate change perspective. *European Food Research and Technology*, **2017**, 243, 323-330	3.4	39

117	24-Epibrassinolide alleviates organic pollutants-retarded root elongation by promoting redox homeostasis and secondary metabolism in Cucumis sativus L. *Environmental Pollution*, **2017**, 229, 922-931	9.3	38
116	Grafting cucumber onto luffa improves drought tolerance by increasing ABA biosynthesis and sensitivity. *Scientific Reports*, **2016**, 6, 20212	4.9	37
115	Melatonin-mediated regulation of anthocyanin biosynthesis and antioxidant defense confer tolerance to arsenic stress in Camellia sinensis L. *Journal of Hazardous Materials*, **2021**, 403, 123922	12.8	37
114	Decreased Biosynthesis of Jasmonic Acid via Lipoxygenase Pathway Compromised Caffeine-Induced Resistance to Colletotrichum gloeosporioides Under Elevated CO in Tea Seedlings. *Phytopathology*, **2016**, 106, 1270-1277	3.8	36
113	Crosstalk between Nitric Oxide and MPK1/2 Mediates Cold Acclimation-induced Chilling Tolerance in Tomato. *Plant and Cell Physiology*, **2017**, 58, 1963-1975	4.9	35
112	Calcium is involved in exogenous NO-induced enhancement of photosynthesis in cucumber (Cucumis sativus L.) seedlings under low temperature. *Scientia Horticulturae*, **2020**, 261, 108953	4.1	35
111	Elevated CO Improves Photosynthesis Under High Temperature by Attenuating the Functional Limitations to Energy Fluxes, Electron Transport and Redox Homeostasis in Tomato Leaves. *Frontiers in Plant Science*, **2018**, 9, 1739	6.2	34
110	Arbuscular mycorrhizae improve low temperature tolerance in cucumber via alterations in H2O2 accumulation and ATPase activity. *Journal of Plant Research*, **2014**, 127, 775-85	2.6	32
109	Glutathione biosynthesis and regeneration play an important role in the metabolism of chlorothalonil in tomato. *Chemosphere*, **2013**, 90, 2563-70	8.4	32
108	Putative WRKYs associated with regulation of fruit ripening revealed by detailed expression analysis of the WRKY gene family in pepper. *Scientific Reports*, **2016**, 6, 39000	4.9	32
107	Brassinosteroids Attenuate Moderate High Temperature-Caused Decline in Tea Quality by Enhancing Theanine Biosynthesis in L. *Frontiers in Plant Science*, **2018**, 9, 1016	6.2	30
106	Effect of Arbuscular Mycorrhizal Fungi, Selenium and Biochar on Photosynthetic Pigments and Antioxidant Enzyme Activity Under Arsenic Stress in Mung Bean (). *Frontiers in Physiology*, **2019**, 10, 193	4.6	29
105	Enhanced photosynthetic capacity and antioxidant potential mediate brassinosteriod-induced phenanthrene stress tolerance in tomato. *Environmental Pollution*, **2015**, 201, 58-66	9.3	29
104	Melatonin alleviates low-sulfur stress by promoting sulfur homeostasis in tomato plants. *Scientific Reports*, **2018**, 8, 10182	4.9	29
103	Tomato CRY1a plays a critical role in the regulation of phytohormone homeostasis, plant development, and carotenoid metabolism in fruits. *Plant, Cell and Environment*, **2018**, 41, 354-366	8.4	28
102	Tomato GLR3.3 and GLR3.5 mediate cold acclimation-induced chilling tolerance by regulating apoplastic H O production and redox homeostasis. *Plant, Cell and Environment*, **2019**, 42, 3326-3339	8.4	28
101	Overexpression of mitochondrial uncoupling protein conferred resistance to heat stress and Botrytis cinerea infection in tomato. *Plant Physiology and Biochemistry*, **2013**, 73, 245-53	5.4	28
100	Brassinosteroids Improve Quality of Summer Tea (Camellia sinensis L.) by Balancing Biosynthesis of Polyphenols and Amino Acids. *Frontiers in Plant Science*, **2016**, 7, 1304	6.2	28

99	Developmental changes in carbon and nitrogen metabolism affect tea quality in different leaf position. *Plant Physiology and Biochemistry*, **2016**, 106, 327-35	5.4	27
98	Dopamine alleviates bisphenol A-induced phytotoxicity by enhancing antioxidant and detoxification potential in cucumber. *Environmental Pollution*, **2020**, 259, 113957	9.3	27
97	SlWRKY81 reduces drought tolerance by attenuating proline biosynthesis in tomato. *Scientia Horticulturae*, **2020**, 270, 109444	4.1	26
96	RBOH1-dependent apoplastic H2O2 mediates epigallocatechin-3-gallate-induced abiotic stress tolerance in Solanum lycopersicum L.. *Environmental and Experimental Botany*, **2019**, 161, 357-366	5.9	26
95	Effects of Exogenous Spermidine and Elevated CO2 on Physiological and Biochemical Changes in Tomato Plants Under Iso-osmotic Salt Stress. *Journal of Plant Growth Regulation*, **2018**, 37, 1222-1234	4.7	26
94	Arbuscular mycorrhizal fungi reduce arsenic uptake and improve plant growth in Lens culinaris. *PLoS ONE*, **2019**, 14, e0211441	3.7	25
93	Vascular plant one zinc-finger (VOZ) transcription factors: novel regulators of abiotic stress tolerance in rice (Oryza sativa L.). *Genetic Resources and Crop Evolution*, **2020**, 67, 799-807	2	25
92	Red Light-Induced Systemic Resistance Against Root-Knot Nematode Is Mediated by a Coordinated Regulation of Salicylic Acid, Jasmonic Acid and Redox Signaling in Watermelon. *Frontiers in Plant Science*, **2018**, 9, 899	6.2	25
91	Brassinosteroid improves seed germination and early development of tomato seedling under phenanthrene stress. *Plant Growth Regulation*, **2012**, 68, 87-96	3.2	25
90	Tomato-Pseudomonas syringae interactions under elevated CO□ concentration: the role of stomata. *Journal of Experimental Botany*, **2015**, 66, 307-16	7	24
89	Role of Melatonin in Arbuscular Mycorrhizal Fungi-Induced Resistance to Fusarium Wilt in Cucumber. *Phytopathology*, **2020**, 110, 999-1009	3.8	24
88	The SlWRKY81 transcription factor inhibits stomatal closure by attenuating nitric oxide accumulation in the guard cells of tomato under drought. *Physiologia Plantarum*, **2021**, 172, 885-895	4.6	23
87	Arbuscular Mycorrhizal Fungus Alleviates Chilling Stress by Boosting Redox Poise and Antioxidant Potential of Tomato Seedlings. *Journal of Plant Growth Regulation*, **2016**, 35, 109-120	4.7	22
86	Improves Defense Against by Regulating ROS and RNS Metabolism, Redox Balance, and Energy Flow in Cucumber Roots. *Phytopathology*, **2019**, 109, 972-982	3.8	22
85	Role of ethylene biosynthesis and signaling in elevated CO-induced heat stress response in tomato. *Planta*, **2019**, 250, 563-572	4.7	22
84	Glutaredoxin GRXS16 mediates brassinosteroid-induced apoplastic HO production to promote pesticide metabolism in tomato. *Environmental Pollution*, **2018**, 240, 227-234	9.3	22
83	Genome-Wide Identification and Evaluation of Reference Genes for Quantitative RT-PCR Analysis during Tomato Fruit Development. *Frontiers in Plant Science*, **2017**, 8, 1440	6.2	22
82	Physiological and Defense Responses of Tea Plants to Elevated CO: A Review. *Frontiers in Plant Science*, **2020**, 11, 305	6.2	21

81	The HY5 and MYB15 transcription factors positively regulate cold tolerance in tomato via the CBF pathway. *Plant, Cell and Environment*, **2020**, 43, 2712-2726	8.4	20
80	Methyl Salicylate Enhances Flavonoid Biosynthesis in Tea Leaves by Stimulating the Phenylpropanoid Pathway. *Molecules*, **2019**, 24,	4.8	19
79	Alkanes (C29 and C31)-Mediated Intracuticular Wax Accumulation Contributes to Melatonin- and ABA-Induced Drought Tolerance in Watermelon. *Journal of Plant Growth Regulation*, **2020**, 39, 1441-1450	4.7	19
78	Arsenic accumulation in lentil (Lens culinaris) genotypes and risk associated with the consumption of grains. *Scientific Reports*, **2019**, 9, 9431	4.9	19
77	Overexpression of tomato RING E3 ubiquitin ligase gene SlRING1 confers cadmium tolerance by attenuating cadmium accumulation and oxidative stress. *Physiologia Plantarum*, **2021**, 173, 449-459	4.6	19
76	Freezing stress deteriorates tea quality of new flush by inducing photosynthetic inhibition and oxidative stress in mature leaves. *Scientia Horticulturae*, **2018**, 230, 155-160	4.1	18
75	Methyl jasmonate mediates melatonin-induced cold tolerance of grafted watermelon plants. *Horticulture Research*, **2021**, 8, 57	7.7	18
74	Comprehensive Analysis of TIFY Transcription Factors and Their Expression Profiles under Jasmonic Acid and Abiotic Stresses in Watermelon. *International Journal of Genomics*, **2019**, 2019, 6813086	2.5	17
73	Role of Hormones in Plant Adaptation to Heat Stress **2016**, 1-21		17
72	ABA-induced stomatal movements in vascular plants during dehydration and rehydration. *Environmental and Experimental Botany*, **2021**, 186, 104436	5.9	17
71	Ozone Induced Stomatal Regulations, MAPK and Phytohormone Signaling in Plants. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	17
70	Unraveling Main Limiting Sites of Photosynthesis under Below- and Above-Ground Heat Stress in Cucumber and the Alleviatory Role of Luffa Rootstock. *Frontiers in Plant Science*, **2016**, 7, 746	6.2	17
69	PGR5/PGRL1 and NDH Mediate Far-Red Light-Induced Photoprotection in Response to Chilling Stress in Tomato. *Frontiers in Plant Science*, **2020**, 11, 669	6.2	16
68	Role of ethylene crosstalk in seed germination and early seedling development: A review. *Plant Physiology and Biochemistry*, **2020**, 151, 124-131	5.4	15
67	Growth temperature-induced changes in biomass accumulation, photosynthesis and glutathione redox homeostasis as influenced by hydrogen peroxide in cucumber. *Plant Physiology and Biochemistry*, **2013**, 71, 1-10	5.4	15
66	Physiological and Transcriptome Responses to Combinations of Elevated CO2 and Magnesium in Arabidopsis thaliana. *PLoS ONE*, **2016**, 11, e0149301	3.7	15
65	Tomato photorespiratory glycolate-oxidase-derived H O production contributes to basal defence against Pseudomonas syringae. *Plant, Cell and Environment*, **2018**, 41, 1126-1138	8.4	14
64	Identification of Optimal Reference Genes for Normalization of qPCR Analysis during Pepper Fruit Development. *Frontiers in Plant Science*, **2017**, 8, 1128	6.2	14

63	Hydrogen peroxide mediates spermidine-induced autophagy to alleviate salt stress in cucumber. *Autophagy*, **2021**, 17, 2876-2890	10.2	14
62	Dynamics of cell wall structure and related genomic resources for drought tolerance in rice. *Plant Cell Reports*, **2021**, 40, 437-459	5.1	14
61	Exogenous Brassinosteroid Enhances Plant Defense Against Colletotrichum gloeosporioides by Activating Phenylpropanoid Pathway in Camellia sinensis L.. *Journal of Plant Growth Regulation*, **2018**, 37, 1235-1243	4.7	14
60	Trichoderma harzianum-induced resistance against Fusarium oxysporum involves regulation of nuclear DNA content, cell viability and cell cycle-related genes expression in cucumber roots. *European Journal of Plant Pathology*, **2017**, 147, 43-53	2.1	13
59	Nitric oxide is involved in the oxytetracycline-induced suppression of root growth through inhibiting hydrogen peroxide accumulation in the root meristem. *Scientific Reports*, **2017**, 7, 43096	4.9	13
58	The CYP74 Gene Family in Watermelon: Genome-Wide Identification and Expression Profiling Under Hormonal Stress and Root-Knot Nematode Infection. *Agronomy*, **2019**, 9, 872	3.6	13
57	Light regulation of horticultural crop nutrient uptake and utilization. *Horticultural Plant Journal*, **2021**, 7, 367-379	4.3	13
56	NPR1-dependent salicylic acid signaling is not involved in elevated CO2-induced heat stress tolerance in Arabidopsis thaliana. *Plant Signaling and Behavior*, **2015**, 10, e1011944	2.5	12
55	Melatonin promotes metabolism of bisphenol A by enhancing glutathione-dependent detoxification in Solanum lycopersicum L. *Journal of Hazardous Materials*, **2020**, 388, 121727	12.8	12
54	Exogenous melatonin improves tea quality under moderate high temperatures by increasing epigallocatechin-3-gallate and theanine biosynthesis in Camellia sinensis L. *Journal of Plant Physiology*, **2020**, 253, 153273	3.6	12
53	The E3 ubiquitin ligase gene SlRING1 is essential for plant tolerance to cadmium stress in Solanum lycopersicum. *Journal of Biotechnology*, **2020**, 324, 239-247	3.7	12
52	Glutaredoxin S25 and its interacting TGACG motif-binding factor TGA2 mediate brassinosteroid-induced chlorothalonil metabolism in tomato plants. *Environmental Pollution*, **2019**, 255, 113256	9.3	11
51	Epigallocatechin-3-gallate enhances tomato resistance to tobacco mosaic virus by modulating RBOH1-dependent HO signaling. *Plant Physiology and Biochemistry*, **2020**, 150, 263-269	5.4	11
50	Overexpression of E3 Ubiquitin Ligase Gene Contributes to Resistance against Chilling Stress and Leaf Mold Disease in Tomato. *Frontiers in Plant Science*, **2017**, 8, 1109	6.2	11
49	Elevated CO2 improves antioxidant capacity, ion homeostasis, and polyamine metabolism in tomato seedlings under Ca(NO3)2-induced salt stress. *Scientia Horticulturae*, **2020**, 273, 109644	4.1	11
48	Mechanisms of silicon-induced fungal disease resistance in plants. *Plant Physiology and Biochemistry* , **2021**, 165, 200-206	5.4	11
47	Mixing of biochar, vinegar and mushroom residues regulates soil microbial community and increases cucumber yield under continuous cropping regime. *Applied Soil Ecology*, **2021**, 161, 103883	5	10
46	Trichoderma harzianum induces resistance to root-knot nematodes by increasing secondary metabolite synthesis and defense-related enzyme activity in Solanum lycopersicum L. *Biological Control*, **2021**, 158, 104609	3.8	10

45	Melatonin antagonizes ABA action to promote seed germination by regulating Ca efflux and HO accumulation. *Plant Science*, **2021**, 303, 110761	5.3	10
44	Genome-wide identification and expression analysis of aquaporin gene family related to abiotic stress in watermelon. *Genome*, **2019**, 62, 643-656	2.4	9
43	Anthocyanin-mediated arsenic tolerance in plants. *Environmental Pollution*, **2022**, 292, 118475	9.3	9
42	Arbuscular mycorrhizal fungi for vegetable (VT) enhance resistance to Rhizoctonia solani in watermelon by alleviating oxidative stress. *Biological Control*, **2021**, 152, 104433	3.8	9
41	Auxin is involved in arbuscular mycorrhizal fungi-promoted tomato growth and NADP-malic enzymes expression in continuous cropping substrates. *BMC Plant Biology*, **2021**, 21, 48	5.3	8
40	Nitrogen forms and metabolism affect plant defence to foliar and root pathogens in tomato. *Plant, Cell and Environment*, **2021**, 44, 1596-1610	8.4	8
39	Effect of soil amendments on antioxidant activity and photosynthetic pigments in pea crops grown in arsenic contaminated soil. *Heliyon*, **2020**, 6, e05475	3.6	7
38	Abscisic Acid and Gibberellins Act Antagonistically to Mediate Epigallocatechin-3-Gallate-Retarded Seed Germination and Early Seedling Growth in Tomato. *Journal of Plant Growth Regulation*, **2020**, 39, 1414-1424	4.7	7
37	First Report of Red Dragon Fruit (Hylocereus polyrhizus) Anthracnose Caused by Colletotrichum siamense in China. *Plant Disease*, **2018**, 102, 1175-1175	1.5	7
36	Combined effects of hypoxia and excess Mn2+ on oxidative stress and antioxidant enzymes in tomato seedlings. *Russian Journal of Plant Physiology*, **2012**, 59, 670-678	1.6	7
35	Nitric Oxide and Its Interaction with Hydrogen Peroxide Enhance Plant Tolerance to Low Temperatures by Improving the Efficiency of the Calvin Cycle and the Ascorbate□lutathione Cycle in Cucumber Seedlings. *Journal of Plant Growth Regulation*, **2020**, 1	4.7	7
34	Effects of arbuscular mycorrhizal fungi, biochar, selenium, silica gel, and sulfur on arsenic uptake and biomass growth in Pisum sativum L.. *Emerging Contaminants*, **2020**, 6, 312-322	5.8	7
33	Phytonanotechnology applications in modern agriculture.. *Journal of Nanobiotechnology*, **2021**, 19, 430	9.4	7
32	Silencing of mitochondrial uncoupling protein gene aggravates chilling stress by altering mitochondrial respiration and electron transport in tomato. *Acta Physiologiae Plantarum*, **2015**, 37, 1	2.6	6
31	Tea cultivation under changing climatic conditions. *Burleigh Dodds Series in Agricultural Science*, **2018**, 455-472	2	6
30	Genome-Wide Characterization of B-Box Gene Family and Its Roles in Responses to Light Quality and Cold Stress in Tomato. *Frontiers in Plant Science*, **2021**, 12, 698525	6.2	6
29	Comparative Genomic Analysis Reveals Extensive Genetic Variations of WRKYs in Solanaceae and Functional Variations of CaWRKYs in Pepper. *Frontiers in Genetics*, **2019**, 10, 492	4.5	5
28	Silencing of tomato mitochondrial uncoupling protein disrupts redox poise and antioxidant enzymes activities balance under oxidative stress **2014**, 57, 9-19		5

27	Light-dependent activation of HY5 promotes mycorrhizal symbiosis in tomato by systemically regulating strigolactone biosynthesis. *New Phytologist*, **2021**,	9.8	5
26	A Novel Role of Pipecolic Acid Biosynthetic Pathway in Drought Tolerance through the Antioxidant System in Tomato.. *Antioxidants*, **2021**, 10,	7.1	5
25	Trichoderma asperellum reduces phoxim residue in roots by promoting plant detoxification potential in Solanum lycopersicum L. *Environmental Pollution*, **2020**, 259, 113893	9.3	5
24	Transcriptomic insights into the blue light-induced female floral sex expression in cucumber (Cucumis sativus L.). *Scientific Reports*, **2018**, 8, 14261	4.9	5
23	An Essential Role of Mitochondrial -Ketoglutarate Dehydrogenase E2 in the Basal Immune Response Against Bacterial Pathogens in Tomato. *Frontiers in Plant Science*, **2020**, 11, 579772	6.2	4
22	Mechanisms of elevated CO-induced thermotolerance in plants: the role of phytohormones. *Plant Cell Reports*, **2021**, 40, 2273-2286	5.1	4
21	Comparative transcriptomic and metabolomic analyses reveal the protective effects of silicon against low phosphorus stress in tomato plants. *Plant Physiology and Biochemistry*, **2021**, 166, 78-87	5.4	4
20	Light regulation of potassium in plants.. *Plant Physiology and Biochemistry*, **2021**, 170, 316-324	5.4	3
19	First Report of Root Rot Caused by Fusarium incarnatum on Morus alba in China. *Plant Disease*, **2017**, 101, 1320-1320	1.5	3
18	SlFHY3 and SlHY5 act compliantly to enhance cold tolerance through the integration of myo-inositol and light signaling in tomato.. *New Phytologist*, **2021**,	9.8	2
17	Effect of Acid Rain on Plant Growth and Development: Physiological and Molecular Interventions **2020**, 103-114		2
16	First Report of Stem Rot Caused by Coniothyrium fuckelii on Morus alba in China. *Plant Disease*, **2017**, 101, 387	1.5	1
15	Interactive Effects of Iron and Photoperiods on Tomato Plant Growth and Fruit Quality. *Journal of Plant Growth Regulation*,1	4.7	1
14	Arbuscular mycorrhizal fungi, selenium, sulfur, silica-gel and biochar reduce arsenic uptake in plant biomass and improve nutritional quality inPisum sativum		1
13	The OPR gene family in watermelon: Genome-wide identification and expression profiling under hormone treatments and root-knot nematode infection. *Plant Biology*, **2021**, 23 Suppl 1, 80-88	3.7	1
12	Elevated Carbon Dioxide-Induced Perturbations in Metabolism of Tea Plants **2018**, 135-155		1
11	The E3 Ubiquitin Ligase Gene Is Critical for Cadmium Tolerance in L.. *Antioxidants*, **2022**, 11,	7.1	1
10	24-Epibrassinolide Enhances Resistance Against Colletotrichum fructicola by Promoting Lignin Biosynthesis in Camellia sinensis L.. *Journal of Plant Growth Regulation*,1	4.7	1

9	Germplasm and Genetic Diversity Studies in Rice for Stress Response and Quality Traits **2020**, 47-60		0
8	Nanomaterials and soil health for agricultural crop production: current status and future prospects **2020**, 289-312		0
7	Unveiling Molecular Mechanisms of Nitric Oxide-Induced Low-Temperature Tolerance in Cucumber by Transcriptome Profiling. *International Journal of Molecular Sciences*, **2022**, 23, 5615	6.3	0
6	The E3 ubiquitin ligase RING1 interacts with COP9 signalosome subunit 4 to positively regulate resistance to root-knot nematodes in Solanum lycopersicum L. *Plant Science*, **2022**, 111344	5.3	0
5	Brassinosteroids in plant reproductive development **2022**, 105-130		
4	BrassinosteroidsSregulation of plant architecture **2022**, 43-57		
3	Meet Our Frontier Section Editor. *Current Protein and Peptide Science*, **2020**, 21, 937-937	2.8	
2	Meet Our Frontier Section Editor. *Current Protein and Peptide Science*, **2019**, 20, 195-195	2.8	
1	Plant Hormones as Mediators of Stress Response in Tea Plants **2018**, 269-288		