

Golam Jalal Ahammed

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Anthocyanin-mediated arsenic tolerance in plants. <i>Environmental Pollution</i> , 2022 , 292, 118475	9.3	9
151	Brassinosteroids in plant reproductive development 2022 , 105-130		
150	BrassinosteroidsSregulation of plant architecture 2022 , 43-57		
149	The E3 Ubiquitin Ligase Gene Is Critical for Cadmium Tolerance in L.. <i>Antioxidants</i> , 2022 , 11,	7.1	1
148	Unveiling Molecular Mechanisms of Nitric Oxide-Induced Low-Temperature Tolerance in Cucumber by Transcriptome Profiling. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5615	6.3	0
147	The E3 ubiquitin ligase RING1 interacts with COP9 signalosome subunit 4 to positively regulate resistance to root-knot nematodes in Solanum lycopersicum L. <i>Plant Science</i> , 2022 , 111344	5.3	0
146	SLFHY3 and SLHY5 act compliantly to enhance cold tolerance through the integration of myo-inositol and light signaling in tomato.. <i>New Phytologist</i> , 2021 ,	9.8	2
145	Light-dependent activation of HY5 promotes mycorrhizal symbiosis in tomato by systemically regulating strigolactone biosynthesis. <i>New Phytologist</i> , 2021 ,	9.8	5
144	A Novel Role of Pipecolic Acid Biosynthetic Pathway in Drought Tolerance through the Antioxidant System in Tomato.. <i>Antioxidants</i> , 2021 , 10,	7.1	5
143	Light regulation of potassium in plants.. <i>Plant Physiology and Biochemistry</i> , 2021 , 170, 316-324	5.4	3
142	Hydrogen peroxide mediates spermidine-induced autophagy to alleviate salt stress in cucumber. <i>Autophagy</i> , 2021 , 17, 2876-2890	10.2	14
141	Overexpression of tomato RING E3 ubiquitin ligase gene SLRING1 confers cadmium tolerance by attenuating cadmium accumulation and oxidative stress. <i>Physiologia Plantarum</i> , 2021 , 173, 449-459	4.6	19
140	Methyl jasmonate mediates melatonin-induced cold tolerance of grafted watermelon plants. <i>Horticulture Research</i> , 2021 , 8, 57	7.7	18
139	Mixing of biochar, vinegar and mushroom residues regulates soil microbial community and increases cucumber yield under continuous cropping regime. <i>Applied Soil Ecology</i> , 2021 , 161, 103883	5	10
138	ABA-induced stomatal movements in vascular plants during dehydration and rehydration. <i>Environmental and Experimental Botany</i> , 2021 , 186, 104436	5.9	17
137	Ozone Induced Stomatal Regulations, MAPK and Phytohormone Signaling in Plants. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	17
136	Trichoderma harzianum induces resistance to root-knot nematodes by increasing secondary metabolite synthesis and defense-related enzyme activity in Solanum lycopersicum L. <i>Biological Control</i> , 2021 , 158, 104609	3.8	10

135	Genome-Wide Characterization of B-Box Gene Family and Its Roles in Responses to Light Quality and Cold Stress in Tomato. <i>Frontiers in Plant Science</i> , 2021 , 12, 698525	6.2	6
134	Melatonin-mediated regulation of anthocyanin biosynthesis and antioxidant defense confer tolerance to arsenic stress in <i>Camellia sinensis</i> L. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123922	12.8	37
133	Arbuscular mycorrhizal fungi for vegetable (VT) enhance resistance to <i>Rhizoctonia solani</i> in watermelon by alleviating oxidative stress. <i>Biological Control</i> , 2021 , 152, 104433	3.8	9
132	The OPR ₁ gene family in watermelon: Genome-wide identification and expression profiling under hormone treatments and root-knot nematode infection. <i>Plant Biology</i> , 2021 , 23 Suppl 1, 80-88	3.7	1
131	Melatonin antagonizes ABA action to promote seed germination by regulating Ca efflux and HO accumulation. <i>Plant Science</i> , 2021 , 303, 110761	5.3	10
130	The SLWRKY81 transcription factor inhibits stomatal closure by attenuating nitric oxide accumulation in the guard cells of tomato under drought. <i>Physiologia Plantarum</i> , 2021 , 172, 885-895	4.6	23
129	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	5.3	8
128	Dynamics of cell wall structure and related genomic resources for drought tolerance in rice. <i>Plant Cell Reports</i> , 2021 , 40, 437-459	5.1	14
127	Nitrogen forms and metabolism affect plant defence to foliar and root pathogens in tomato. <i>Plant, Cell and Environment</i> , 2021 , 44, 1596-1610	8.4	8
126	Mechanisms of elevated CO ₂ -induced thermotolerance in plants: the role of phytohormones. <i>Plant Cell Reports</i> , 2021 , 40, 2273-2286	5.1	4
125	Mechanisms of silicon-induced fungal disease resistance in plants. <i>Plant Physiology and Biochemistry</i> , 2021 , 165, 200-206	5.4	11
124	Comparative transcriptomic and metabolomic analyses reveal the protective effects of silicon against low phosphorus stress in tomato plants. <i>Plant Physiology and Biochemistry</i> , 2021 , 166, 78-87	5.4	4
123	Light regulation of horticultural crop nutrient uptake and utilization. <i>Horticultural Plant Journal</i> , 2021 , 7, 367-379	4.3	13
122	Phytonanotechnology applications in modern agriculture.. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 430	9.4	7
121	Effect of soil amendments on antioxidant activity and photosynthetic pigments in pea crops grown in arsenic contaminated soil. <i>Heliyon</i> , 2020 , 6, e05475	3.6	7
120	SLWRKY81 reduces drought tolerance by attenuating proline biosynthesis in tomato. <i>Scientia Horticulturae</i> , 2020 , 270, 109444	4.1	26
119	PGR5/PGRL1 and NDH Mediate Far-Red Light-Induced Photoprotection in Response to Chilling Stress in Tomato. <i>Frontiers in Plant Science</i> , 2020 , 11, 669	6.2	16
118	Alkanes (C ₂₉ and C ₃₁)-Mediated Intracuticular Wax Accumulation Contributes to Melatonin- and ABA-Induced Drought Tolerance in Watermelon. <i>Journal of Plant Growth Regulation</i> , 2020 , 39, 1441-1450	4.7	19

117	Absciscic Acid and Gibberellins Act Antagonistically to Mediate Epigallocatechin-3-Gallate-Retarded Seed Germination and Early Seedling Growth in Tomato. <i>Journal of Plant Growth Regulation</i> , 2020 , 39, 1414-1424	4.7	7
116	Epigallocatechin-3-gallate enhances tomato resistance to tobacco mosaic virus by modulating RBOH1-dependent HO signaling. <i>Plant Physiology and Biochemistry</i> , 2020 , 150, 263-269	5.4	11
115	Brassinosteroids in Plant Tolerance to Abiotic Stress. <i>Journal of Plant Growth Regulation</i> , 2020 , 39, 1451-1464	4.7	80
114	Role of Melatonin in Arbuscular Mycorrhizal Fungi-Induced Resistance to Fusarium Wilt in Cucumber. <i>Phytopathology</i> , 2020 , 110, 999-1009	3.8	24
113	Melatonin alleviates iron stress by improving iron homeostasis, antioxidant defense and secondary metabolism in cucumber. <i>Scientia Horticulturae</i> , 2020 , 265, 109205	4.1	68
112	Vascular plant one zinc-finger (VOZ) transcription factors: novel regulators of abiotic stress tolerance in rice (<i>Oryza sativa</i> L.). <i>Genetic Resources and Crop Evolution</i> , 2020 , 67, 799-807	2	25
111	Physiological and Defense Responses of Tea Plants to Elevated CO ₂ : A Review. <i>Frontiers in Plant Science</i> , 2020 , 11, 305	6.2	21
110	Role of ethylene crosstalk in seed germination and early seedling development: A review. <i>Plant Physiology and Biochemistry</i> , 2020 , 151, 124-131	5.4	15
109	Effect of Acid Rain on Plant Growth and Development: Physiological and Molecular Interventions 2020 , 103-114		2
108	Meet Our Frontier Section Editor. <i>Current Protein and Peptide Science</i> , 2020 , 21, 937-937	2.8	
107	Germplasm and Genetic Diversity Studies in Rice for Stress Response and Quality Traits 2020 , 47-60		0
106	Dopamine alleviates bisphenol A-induced phytotoxicity by enhancing antioxidant and detoxification potential in cucumber. <i>Environmental Pollution</i> , 2020 , 259, 113957	9.3	27
105	Trichoderma asperellum reduces phoxim residue in roots by promoting plant detoxification potential in <i>Solanum lycopersicum</i> L. <i>Environmental Pollution</i> , 2020 , 259, 113893	9.3	5
104	Tomato WRKY81 acts as a negative regulator for drought tolerance by modulating guard cell H ₂ O ₂ -mediated stomatal closure. <i>Environmental and Experimental Botany</i> , 2020 , 171, 103960	5.9	51
103	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	12.8	12
102	Calcium is involved in exogenous NO-induced enhancement of photosynthesis in cucumber (<i>Cucumis sativus</i> L.) seedlings under low temperature. <i>Scientia Horticulturae</i> , 2020 , 261, 108953	4.1	35
101	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-Glutathione Cycle in Cucumber Seedlings. <i>Journal of Plant Growth Regulation</i> , 2020 , 1	4.7	7
100	Effects of arbuscular mycorrhizal fungi, biochar, selenium, silica gel, and sulfur on arsenic uptake and biomass growth in <i>Pisum sativum</i> L.. <i>Emerging Contaminants</i> , 2020 , 6, 312-322	5.8	7

99	Exogenous melatonin improves tea quality under moderate high temperatures by increasing epigallocatechin-3-gallate and theanine biosynthesis in <i>Camellia sinensis</i> L. <i>Journal of Plant Physiology</i> , 2020 , 253, 153273	3.6	12
98	Elevated CO ₂ improves antioxidant capacity, ion homeostasis, and polyamine metabolism in tomato seedlings under Ca(NO ₃) ₂ -induced salt stress. <i>Scientia Horticulturae</i> , 2020 , 273, 109644	4.1	11
97	An Essential Role of Mitochondrial α -Ketoglutarate Dehydrogenase E2 in the Basal Immune Response Against Bacterial Pathogens in Tomato. <i>Frontiers in Plant Science</i> , 2020 , 11, 579772	6.2	4
96	The E3 ubiquitin ligase gene SLRING1 is essential for plant tolerance to cadmium stress in <i>Solanum lycopersicum</i> . <i>Journal of Biotechnology</i> , 2020 , 324, 239-247	3.7	12
95	The HY5 and MYB15 transcription factors positively regulate cold tolerance in tomato via the CBF pathway. <i>Plant, Cell and Environment</i> , 2020 , 43, 2712-2726	8.4	20
94	Nanomaterials and soil health for agricultural crop production: current status and future prospects 2020 , 289-312		0
93	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	7.3	61
92	Comprehensive Analysis of TIFY Transcription Factors and Their Expression Profiles under Jasmonic Acid and Abiotic Stresses in Watermelon. <i>International Journal of Genomics</i> , 2019 , 2019, 6813086	2.5	17
91	Melatonin Inhibits Cadmium Translocation and Enhances Plant Tolerance by Regulating Sulfur Uptake and Assimilation in L. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10563-10576	5.7	87
90	Glutaredoxin S25 and its interacting TGACG motif-binding factor TGA2 mediate brassinosteroid-induced chlorophyll metabolism in tomato plants. <i>Environmental Pollution</i> , 2019 , 255, 113256	9.3	11
89	Methyl Salicylate Enhances Flavonoid Biosynthesis in Tea Leaves by Stimulating the Phenylpropanoid Pathway. <i>Molecules</i> , 2019 , 24,	4.8	19
88	Improves Defense Against by Regulating ROS and RNS Metabolism, Redox Balance, and Energy Flow in Cucumber Roots. <i>Phytopathology</i> , 2019 , 109, 972-982	3.8	22
87	Role of ethylene biosynthesis and signaling in elevated CO ₂ -induced heat stress response in tomato. <i>Planta</i> , 2019 , 250, 563-572	4.7	22
86	Comparative Genomic Analysis Reveals Extensive Genetic Variations of WRKYs in Solanaceae and Functional Variations of CaWRKYs in Pepper. <i>Frontiers in Genetics</i> , 2019 , 10, 492	4.5	5
85	Arbuscular mycorrhizal fungi reduce arsenic uptake and improve plant growth in <i>Lens culinaris</i> . <i>PLoS ONE</i> , 2019 , 14, e0211441	3.7	25
84	Effect of Arbuscular Mycorrhizal Fungi, Selenium and Biochar on Photosynthetic Pigments and Antioxidant Enzyme Activity Under Arsenic Stress in Mung Bean (). <i>Frontiers in Physiology</i> , 2019 , 10, 193	4.6	29
83	Endogenous melatonin deficiency aggravates high temperature-induced oxidative stress in <i>Solanum lycopersicum</i> L.. <i>Environmental and Experimental Botany</i> , 2019 , 161, 303-311	5.9	87
82	Genome-wide identification and expression analysis of aquaporin gene family related to abiotic stress in watermelon. <i>Genome</i> , 2019 , 62, 643-656	2.4	9

81	Arsenic accumulation in lentil (<i>Lens culinaris</i>) genotypes and risk associated with the consumption of grains. <i>Scientific Reports</i> , 2019 , 9, 9431	4.9	19
80	Tomato GLR3.3 and GLR3.5 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	8.4	28
79	Applications of Nanotechnology in Plant Growth and Crop Protection: A Review. <i>Molecules</i> , 2019 , 24,	4.8	316
78	The CYP74 Gene Family in Watermelon: Genome-Wide Identification and Expression Profiling Under Hormonal Stress and Root-Knot Nematode Infection. <i>Agronomy</i> , 2019 , 9, 872	3.6	13
77	Silicon Compensates Phosphorus Deficit-Induced Growth Inhibition by Improving Photosynthetic Capacity, Antioxidant Potential, and Nutrient Homeostasis in Tomato. <i>Agronomy</i> , 2019 , 9, 733	3.6	64
76	RBOH1-dependent apoplastic H ₂ O ₂ mediates epigallocatechin-3-gallate-induced abiotic stress tolerance in <i>Solanum lycopersicum</i> L.. <i>Environmental and Experimental Botany</i> , 2019 , 161, 357-366	5.9	26
75	Salicylic acid acts upstream of nitric oxide in elevated carbon dioxide-induced flavonoid biosynthesis in tea plant (<i>Camellia sinensis</i> L.). <i>Environmental and Experimental Botany</i> , 2019 , 161, 367-374	5.9	42
74	Meet Our Frontier Section Editor. <i>Current Protein and Peptide Science</i> , 2019 , 20, 195-195	2.8	
73	Selenium forms and methods of application differentially modulate plant growth, photosynthesis, stress tolerance, selenium content and speciation in <i>Oryza sativa</i> L. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 911-917	7	63
72	Freezing stress deteriorates tea quality of new flush by inducing photosynthetic inhibition and oxidative stress in mature leaves. <i>Scientia Horticulturae</i> , 2018 , 230, 155-160	4.1	18
71	First Report of Red Dragon Fruit (<i>Hylocereus polyrhizus</i>) Anthracnose Caused by <i>Colletotrichum siamense</i> in China. <i>Plant Disease</i> , 2018 , 102, 1175-1175	1.5	7
70	Tomato photorespiratory glycolate-oxidase-derived H ₂ O ₂ production contributes to basal defence against <i>Pseudomonas syringae</i> . <i>Plant, Cell and Environment</i> , 2018 , 41, 1126-1138	8.4	14
69	Tomato CRY1a 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	8.4	28
68	Silencing Aggravates Heat Stress-Induced Reduction in Photosynthesis by Decreasing Chlorophyll Content, Photosystem II Activity, and Electron Transport Efficiency in Tomato. <i>Frontiers in Plant Science</i> , 2018 , 9, 998	6.2	61
67	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. <i>Frontiers in Plant Science</i> , 2018 , 9, 899	6.2	25
66	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	9.3	22
65	Brassinosteroids Attenuate Moderate High Temperature-Caused Decline in Tea Quality by Enhancing Theanine Biosynthesis in L. <i>Frontiers in Plant Science</i> , 2018 , 9, 1016	6.2	30
64	Epigallocatechin-3-Gallate Alleviates Salinity-Retarded Seed Germination and Oxidative Stress in Tomato. <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 1349-1356	4.7	50

63	Tea cultivation under changing climatic conditions. <i>Burleigh Dodds Series in Agricultural Science</i> , 2018 , 455-472	2	6
62	Light Signaling-Dependent Regulation of Photoinhibition and Photoprotection in Tomato. <i>Plant Physiology</i> , 2018 , 176, 1311-1326	6.6	52
61	Plant Hormones as Mediators of Stress Response in Tea Plants 2018 , 269-288		
60	Elevated CO Improves Photosynthesis Under High Temperature by Attenuating the Functional Limitations to Energy Fluxes, Electron Transport and Redox Homeostasis in Tomato Leaves. <i>Frontiers in Plant Science</i> , 2018 , 9, 1739	6.2	34
59	Elevated Carbon Dioxide-Induced Perturbations in Metabolism of Tea Plants 2018 , 135-155		1
58	Effects of Exogenous Spermidine and Elevated CO ₂ on Physiological and Biochemical Changes in Tomato Plants Under Iso-osmotic Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 1222-1234	4.7	26
57	Exogenous Brassinosteroid Enhances Plant Defense Against <i>Colletotrichum gloeosporioides</i> by Activating Phenylpropanoid Pathway in <i>Camellia sinensis</i> L.. <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 1235-1243	4.7	14
56	Transcriptomic insights into the blue light-induced female floral sex expression in cucumber (<i>Cucumis sativus</i> L.). <i>Scientific Reports</i> , 2018 , 8, 14261	4.9	5
55	Melatonin alleviates low-sulfur stress by promoting sulfur homeostasis in tomato plants. <i>Scientific Reports</i> , 2018 , 8, 10182	4.9	29
54	Trichoderma harzianum-induced resistance against Fusarium oxysporum involves regulation of nuclear DNA content, cell viability and cell cycle-related genes expression in cucumber roots. <i>European Journal of Plant Pathology</i> , 2017 , 147, 43-53	2.1	13
53	HsfA1a upregulates melatonin biosynthesis to confer cadmium tolerance in tomato plants. <i>Journal of Pineal Research</i> , 2017 , 62, e12387	10.4	130
52	Nitric oxide is involved in the oxytetracycline-induced suppression of root growth through inhibiting hydrogen peroxide accumulation in the root meristem. <i>Scientific Reports</i> , 2017 , 7, 43096	4.9	13
51	Nitric oxide mediates brassinosteroid-induced flavonoid biosynthesis in <i>Camellia sinensis</i> L. <i>Journal of Plant Physiology</i> , 2017 , 214, 145-151	3.6	53
50	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	4.9	35
49	Stimulation in primary and secondary metabolism by elevated carbon dioxide alters green tea quality in <i>Camellia sinensis</i> L. <i>Scientific Reports</i> , 2017 , 7, 7937	4.9	46
48	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	9.3	38
47	Altitudinal effects on the quality of green tea in east China: a climate change perspective. <i>European Food Research and Technology</i> , 2017 , 243, 323-330	3.4	39
46	First Report of Stem Rot Caused by <i>Coniothyrium fuckelii</i> on <i>Morus alba</i> in China. <i>Plant Disease</i> , 2017 , 101, 387	1.5	1

45	Overexpression of E3 Ubiquitin Ligase Gene Contributes to Resistance against Chilling Stress and Leaf Mold Disease in Tomato. <i>Frontiers in Plant Science</i> , 2017 , 8, 1109	6.2	11
44	Identification of Optimal Reference Genes for Normalization of qPCR Analysis during Pepper Fruit Development. <i>Frontiers in Plant Science</i> , 2017 , 8, 1128	6.2	14
43	Genome-Wide Identification and Evaluation of Reference Genes for Quantitative RT-PCR Analysis during Tomato Fruit Development. <i>Frontiers in Plant Science</i> , 2017 , 8, 1440	6.2	22
42	Responses of Plant Proteins to Heavy Metal Stress-A Review. <i>Frontiers in Plant Science</i> , 2017 , 8, 1492	6.2	194
41	Combined Inoculation with Multiple Arbuscular Mycorrhizal Fungi Improves Growth, Nutrient Uptake and Photosynthesis in Cucumber Seedlings. <i>Frontiers in Microbiology</i> , 2017 , 8, 2516	5.7	93
40	First Report of Root Rot Caused by <i>Fusarium incarnatum</i> on <i>Morus alba</i> in China. <i>Plant Disease</i> , 2017 , 101, 1320-1320	1.5	3
39	Arbuscular Mycorrhizal Fungus Alleviates Chilling Stress by Boosting Redox Poise and Antioxidant Potential of Tomato Seedlings. <i>Journal of Plant Growth Regulation</i> , 2016 , 35, 109-120	4.7	22
38	Decreased Biosynthesis of Jasmonic Acid via Lipoxygenase Pathway Compromised Caffeine-Induced Resistance to <i>Colletotrichum gloeosporioides</i> Under Elevated CO in Tea Seedlings. <i>Phytopathology</i> , 2016 , 106, 1270-1277	3.8	36
37	Systemic Induction of Photosynthesis via Illumination of the Shoot Apex Is Mediated Sequentially by Phytochrome B, Auxin and Hydrogen Peroxide in Tomato. <i>Plant Physiology</i> , 2016 , 172, 1259-1272	6.6	46
36	Role of Hormones in Plant Adaptation to Heat Stress 2016 , 1-21		17
35	Developmental changes in carbon and nitrogen metabolism affect tea quality in different leaf position. <i>Plant Physiology and Biochemistry</i> , 2016 , 106, 327-35	5.4	27
34	Physiological and Transcriptome Responses to Combinations of Elevated CO ₂ and Magnesium in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2016 , 11, e0149301	3.7	15
33	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	6.2	60
32	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	6.2	17
31	Brassinosteroids Improve Quality of Summer Tea (<i>Camellia sinensis</i> L.) by Balancing Biosynthesis of Polyphenols and Amino Acids. <i>Frontiers in Plant Science</i> , 2016 , 7, 1304	6.2	28
30	Melatonin mediates selenium-induced tolerance to cadmium stress in tomato plants. <i>Journal of Pineal Research</i> , 2016 , 61, 291-302	10.4	140
29	Putative WRKYs associated with regulation of fruit ripening revealed by detailed expression analysis of the WRKY gene family in pepper. <i>Scientific Reports</i> , 2016 , 6, 39000	4.9	32
28	Grafting cucumber onto luffa improves drought tolerance by increasing ABA biosynthesis and sensitivity. <i>Scientific Reports</i> , 2016 , 6, 20212	4.9	37

27	DWARF overexpression induces alteration in phytohormone homeostasis, development, architecture and carotenoid accumulation in tomato. <i>Plant Biotechnology Journal</i> , 2016 , 14, 1021-33	11.6	50
26	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	8.4	72
25	Melatonin enhances thermotolerance by promoting cellular protein protection in tomato plants. <i>Journal of Pineal Research</i> , 2016 , 61, 457-469	10.4	146
24	NPR1-dependent salicylic acid signaling is not involved in elevated CO ₂ -induced heat stress tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2015 , 10, e1011944	2.5	12
23	Enhanced photosynthetic capacity and antioxidant potential mediate brassinosteroid-induced phenanthrene stress tolerance in tomato. <i>Environmental Pollution</i> , 2015 , 201, 58-66	9.3	29
22	Silencing of mitochondrial uncoupling protein gene aggravates chilling stress by altering mitochondrial respiration and electron transport in tomato. <i>Acta Physiologiae Plantarum</i> , 2015 , 37, 1	2.6	6
21	Tomato- <i>Pseudomonas syringae</i> interactions under elevated CO ₂ concentration: the role of stomata. <i>Journal of Experimental Botany</i> , 2015 , 66, 307-16	7	24
20	Crosstalk among Jasmonate, Salicylate and Ethylene Signaling Pathways in Plant Disease and Immune Responses. <i>Current Protein and Peptide Science</i> , 2015 , 16, 450-61	2.8	119
19	Melatonin mitigates cadmium phytotoxicity through modulation of phytochelatins biosynthesis, vacuolar sequestration, and antioxidant potential in <i>Solanum lycopersicum</i> L. <i>Frontiers in Plant Science</i> , 2015 , 6, 601	6.2	174
18	Carbon dioxide enrichment alleviates heat stress by improving cellular redox homeostasis through an ABA-independent process in tomato plants. <i>Plant Biology</i> , 2015 , 17, 81-9	3.7	48
17	Role of brassinosteroid in plant adaptation to abiotic stresses and its interplay with other hormones. <i>Current Protein and Peptide Science</i> , 2015 , 16, 462-73	2.8	67
16	Arbuscular mycorrhizae improve low temperature tolerance in cucumber via alterations in H ₂ O ₂ accumulation and ATPase activity. <i>Journal of Plant Research</i> , 2014 , 127, 775-85	2.6	32
15	Silencing of tomato mitochondrial uncoupling protein disrupts redox poise and antioxidant enzymes activities balance under oxidative stress 2014 , 57, 9-19		5
14	Overexpression of mitochondrial uncoupling protein conferred resistance to heat stress and <i>Botrytis cinerea</i> infection in tomato. <i>Plant Physiology and Biochemistry</i> , 2013 , 73, 245-53	5.4	28
13	Brassinosteroid regulates secondary metabolism in tomato towards enhanced tolerance to phenanthrene. <i>Biologia Plantarum</i> , 2013 , 57, 154-158	2.1	55
12	Growth temperature-induced changes in biomass accumulation, photosynthesis and glutathione redox homeostasis as influenced by hydrogen peroxide in cucumber. <i>Plant Physiology and Biochemistry</i> , 2013 , 71, 1-10	5.4	15
11	Glutathione biosynthesis and regeneration play an important role in the metabolism of chlorothalonil in tomato. <i>Chemosphere</i> , 2013 , 90, 2563-70	8.4	32
10	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	7.13	182

9	Brassinosteroid alleviates polychlorinated biphenyls-induced oxidative stress by enhancing antioxidant enzymes activity in tomato. <i>Chemosphere</i> , 2013 , 90, 2645-53	8.4	68
8	Brassinosteroid improves seed germination and early development of tomato seedling under phenanthrene stress. <i>Plant Growth Regulation</i> , 2012 , 68, 87-96	3.2	25
7	Brassinosteroids induce plant tolerance against phenanthrene by enhancing degradation and detoxification in Solanum lycopersicum L. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 80, 28-36	7	56
6	The growth, photosynthesis and antioxidant defense responses of five vegetable crops to phenanthrene stress. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 80, 132-9	7	64
5	Combined effects of hypoxia and excess Mn ²⁺ on oxidative stress and antioxidant enzymes in tomato seedlings. <i>Russian Journal of Plant Physiology</i> , 2012 , 59, 670-678	1.6	7
4	Brassinosteroid alleviates phenanthrene and pyrene phytotoxicity by increasing detoxification activity and photosynthesis in tomato. <i>Chemosphere</i> , 2012 , 86, 546-55	8.4	86
3	Interactive Effects of Iron and Photoperiods on Tomato Plant Growth and Fruit Quality. <i>Journal of Plant Growth Regulation</i> , 1	4.7	1
2	Arbuscular mycorrhizal fungi, selenium, sulfur, silica-gel and biochar reduce arsenic uptake in plant biomass and improve nutritional quality in Pisum sativum		1
1	24-Epibrassinolide Enhances Resistance Against Colletotrichum fructicola by Promoting Lignin Biosynthesis in Camellia sinensis L.. <i>Journal of Plant Growth Regulation</i> , 1	4.7	1