

Reactive oxygen species (ROS) and response of antioxidant enzymes to environmental stress in plants

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Catalase activity of cassava (<i>Manihot esculenta</i>) plant under African cassava mosaic virus infection in Cape coast, Ghana. <i>African Journal of Biotechnology</i> , 2015, 14, 1201-1206.	0.3	7
2	Metabolic and molecular-genetic regulation of proline signaling and its cross-talk with major effectors mediates abiotic stress tolerance in plants. <i>Turkish Journal of Botany</i> , 2015, 39, 887-910.	0.5	102
3	Multi-Level Interactions Between Heat Shock Factors, Heat Shock Proteins, and the Redox System Regulate Acclimation to Heat. <i>Frontiers in Plant Science</i> , 2015, 6, 999.	1.7	166
4	WRKY Proteins: Signaling and Regulation of Expression during Abiotic Stress Responses. <i>Scientific World Journal</i> , The, 2015, 2015, 1-17.	0.8	234
5	Hydrogen peroxide priming modulates abiotic oxidative stress tolerance: insights from ROS detoxification and scavenging. <i>Frontiers in Plant Science</i> , 2015, 6, 420.	1.7	552
6	ROS Signaling: Relevance with Site of Production and Metabolism of ROS. , 2015, , 115-125.		4
7	Antioxidative and proteolytic systems protect mitochondria from oxidative damage in S-deficient <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2015, 186-187, 25-38.	1.6	11
8	Antioxidant Secondary Metabolites in Cereals: Potential Involvement in Resistance to <i>Fusarium</i> and Mycotoxin Accumulation. <i>Frontiers in Microbiology</i> , 2016, 7, 566.	1.5	151
9	UV-B Radiation Stress Causes Alterations in Whole Cell Protein Profile and Expression of Certain Genes in the Rice Phyllospheric Bacterium <i>Enterobacter cloacae</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1440.	1.5	26
10	Hydrogen Peroxide, Signaling in Disguise during Metal Phytotoxicity. <i>Frontiers in Plant Science</i> , 2016, 7, 470.	1.7	132
11	When Bad Guys Become Good Ones: The Key Role of Reactive Oxygen Species and Nitric Oxide in the Plant Responses to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 471.	1.7	242
12	Future Climate CO ₂ Levels Mitigate Stress Impact on Plants: Increased Defense or Decreased Challenge?. <i>Frontiers in Plant Science</i> , 2016, 7, 556.	1.7	74
13	Garlic, from Remedy to Stimulant: Evaluation of Antifungal Potential Reveals Diversity in Phytoalexin Allicin Content among Garlic Cultivars; Allicin Containing Aqueous Garlic Extracts Trigger Antioxidants in Cucumber. <i>Frontiers in Plant Science</i> , 2016, 7, 1235.	1.7	67
14	Comparative Evaluation of Biochemical Changes in Tomato (<i>Lycopersicon esculentum</i> Mill.) Infected by <i>Alternaria alternata</i> and Its Toxic Metabolites (TeA, AOH, and AME). <i>Frontiers in Plant Science</i> , 2016, 7, 1408.	1.7	126
15	Transcriptional Responses in Root and Leaf of <i>Prunus persica</i> under Drought Stress Using RNA Sequencing. <i>Frontiers in Plant Science</i> , 2016, 7, 1715.	1.7	58
16	Preliminary analysis on the transcripts involved in resistance responses to eumusae leaf spot disease of banana caused by <i>Mycosphaerella eumusae</i> , a recent add-on of the sigatoka disease complex. <i>Turkish Journal of Botany</i> , 2016, 40, 461-471.	0.5	7
17	Production of superoxide from photosystem II-light harvesting complex II supercomplex in STN8 kinase knock-out rice mutants under photoinhibitory illumination. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 240-247.	1.7	8
18	Ozone damage, detoxification and the role of isoprenoids – new impetus for integrated models. <i>Functional Plant Biology</i> , 2016, 43, 324.	1.1	18

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20	Silver nanoparticles and silver ions: Oxidative stress responses and toxicity in potato (<i>Solanum</i>) Tj ETQq1 1 0.784314.rgBT / Overlock 10 0.7 93		
21	Chilling-induced changes in the antioxidant status of basil plants. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	20
22	Antioxidant Protection Mechanism During Abiotic Stresses. , 2016, , 47-69.		4
23	Phytochemical constituents and radical scavenging properties of <i>Borago officinalis</i> and <i>Malva sylvestris</i> . <i>Industrial Crops and Products</i> , 2016, 94, 673-681.	2.5	22
24	Augmentation of systemic resistance and secondary metabolites by chitinolytic microbes in <i>Withania somnifera</i> against <i>Meloidogyne incognita</i> . <i>Biocontrol Science and Technology</i> , 2016, 26, 1626-1642.	0.5	16
25	Changed composition of metabolites in <i>Solanum tuberosum</i> subjected to osmotic stress in vitro: Is sorbitol taken up?. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 195-206.	1.2	9
26	In vivo ROS and redox potential fluorescent detection in plants: Present approaches and future perspectives. <i>Methods</i> , 2016, 109, 92-104.	1.9	42
27	Metabolomics Reveals Cryptic Interactive Effects of Species Interactions and Environmental Stress on Nitrogen and Sulfur Metabolism in Seagrass. <i>Environmental Science & Technology</i> , 2016, 50, 11602-11609.	4.6	48
28	Unraveling the molecular basis of oxidative stress management in a drought tolerant rice genotype Nagina 22. <i>BMC Genomics</i> , 2016, 17, 774.	1.2	25
29	Physiological and oxidative stress responses of baldcypress in response to elevated salinity: linking and identifying biomarkers of stress in a keystone species. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	3
30	A proteome analysis of freezing tolerance in red clover (<i>Trifolium pratense</i> L.). <i>BMC Plant Biology</i> , 2016, 16, 65.	1.6	31
31	Breeding for plant heat tolerance at vegetative and reproductive stages. <i>Plant Reproduction</i> , 2016, 29, 67-79.	1.3	175
32	Magnificent role of intracellular reactive oxygen species production and its scavenging encompasses downstream processes. <i>Journal of Plant Biology</i> , 2016, 59, 215-222.	0.9	19
33	Modulation of antioxidant enzymes in <i>Juniperus procera</i> needles in relation to habitat environment and dieback incidence. <i>Trees - Structure and Function</i> , 2016, 30, 1669-1681.	0.9	33
34	Dissection of <i>Trichoderma longibrachiatum</i> -induced defense in onion (<i>Allium cepa</i> L.) against <i>Fusarium oxysporum</i> f. sp. <i>cepa</i> by target metabolite profiling. <i>Plant Science</i> , 2016, 246, 128-138.	1.7	123
35	Tributyltin (TBT) biodegradation induces oxidative stress of <i>Cunninghamella echinulata</i> . <i>International Biodeterioration and Biodegradation</i> , 2016, 107, 92-101.	1.9	20
36	Group II late embryogenesis abundant (LEA) proteins: structural and functional aspects in plant abiotic stress. <i>Plant Growth Regulation</i> , 2016, 79, 1-17.	1.8	157

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38	Drought coping strategies in cotton: increased crop per drop. <i>Plant Biotechnology Journal</i> , 2017, 15, 271-284.	4.1	226
39	Sanguinarine-induced oxidative stress and apoptosis-like programmed cell death(AL-PCD) in root meristem cells of <i>Allium cepa</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 112, 193-206.	2.8	12
40	Exogenous spermidine improves seed germination of sweet corn via involvement in phytohormone interactions, H ₂ O ₂ and relevant gene expression. <i>BMC Plant Biology</i> , 2017, 17, 1.	1.6	314
41	UV radiation priming: A means of amplifying the inherent potential for abiotic stress tolerance in crop plants. <i>Environmental and Experimental Botany</i> , 2017, 138, 57-66.	2.0	56
42	Insights into temperature modulation of the <i>Eucalyptus globulus</i> and <i>Eucalyptus grandis</i> antioxidant and lignification subproteomes. <i>Phytochemistry</i> , 2017, 137, 15-23.	1.4	10
43	Plant Response to Engineered Metal Oxide Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 92.	3.1	195
44	Abiotic stresses as tools for metabolites in microalgae. <i>Bioresource Technology</i> , 2017, 244, 1216-1226.	4.8	235
45	Effect of seed priming with spermine/spermidine on transcriptional regulation of stress-responsive genes in salt-stressed seedlings of an aromatic rice cultivar. <i>Plant Gene</i> , 2017, 11, 133-142.	1.4	25
46	Towards the antioxidant therapy in Osteoarthritis: Contribution of nanotechnology. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 42, 94-106.	1.4	14
47	An update on nitric oxide and its benign role in plant responses under metal stress. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 67, 39-52.	1.2	116
48	Variation in whole DNA methylation in red maple (<i>Acer rubrum</i>) populations from a mining region: association with metal contamination and cation exchange capacity (CEC) in podzolic soils. <i>Ecotoxicology</i> , 2017, 26, 405-414.	1.1	6
49	Physiological and biochemical perspectives of non-salt tolerant plants during bacterial interaction against soil salinity. <i>Plant Physiology and Biochemistry</i> , 2017, 116, 116-126.	2.8	48
50	Transgenic approaches to enhance salt and drought tolerance in plants. <i>Plant Gene</i> , 2017, 11, 219-231.	1.4	36
51	Photoprotection regulated by phosphorus application can improve photosynthetic performance and alleviate oxidative damage in dwarf bamboo subjected to water stress. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 88-97.	2.8	17
52	Sterol glycosyltransferases required for adaptation of <i>Withania somnifera</i> at high temperature. <i>Physiologia Plantarum</i> , 2017, 160, 297-311.	2.6	24
53	Exogenous application of urea and a urease inhibitor improves drought stress tolerance in maize (<i>Zea mays</i>) cv BTx623. <i>Plant Physiology and Biochemistry</i> , 2017, 116, 116-126.	1.2	25
54	Polyphenol oxidase from <i>Pectobacterium atrosepticum</i> : identification and cloning of gene and characteristics of the enzyme. <i>Journal of Basic Microbiology</i> , 2017, 57, 998-1009.	1.8	3

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56	Integrated Mechanisms of Plant Disease Containment by Rhizospheric Bacteria: Unraveling the Signal Cross Talk Between Plant and Fluorescent <i>Pseudomonas</i> . , 2017, , 263-291.		7
57	Effect of lignite on alleviation of salt toxicity in soybean (<i>Glycine max</i> L.) plants. <i>Plant Physiology and Biochemistry</i> , 2017, 120, 186-193.	2.8	13
58	The effect of salicylic and jasmonic acids on tomato physiology and tolerance to Cucumber mosaic virus (CMV). <i>European Journal of Plant Pathology</i> , 2018, 151, 101.	0.8	2
60	Inflammation and the chemical carcinogen benzo[a]pyrene: Partners in crime. <i>Mutation Research - Reviews in Mutation Research</i> , 2017, 774, 12-24.	2.4	47
61	Mitigation of salinity-induced oxidative damage in wheat (<i>Triticum aestivum</i> L.) seedlings by exogenous application of phenolic acids. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	33
62	Effects of catalase on chloroplast arrangement in <i>Opuntia streptacantha</i> chlorenchyma cells under salt stress. <i>Scientific Reports</i> , 2017, 7, 8656.	1.6	26
63	Dealing with abiotic stresses: an integrative view of how phytohormones control abiotic stress-induced oxidative stress. <i>Theoretical and Experimental Plant Physiology</i> , 2017, 29, 109-127.	1.1	30
64	ROS Signaling in Plants Under Heavy Metal Stress. , 2017, , 185-214.		28
65	Nanoscale Optoregulation of Neural Stem Cell Differentiation by Intracellular Alteration of Redox Balance. <i>Advanced Functional Materials</i> , 2017, 27, 1701420.	7.8	14
66	Elucidating the Mechanisms of the Tomato <i>ovate</i> Mutation in Regulating Fruit Quality Using Proteomics Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10048-10057.	2.4	10
67	Effect of Salinity Stress on Growth and Physiology of Medicinal Plants. , 2017, , 177-188.		15
68	Light sensitivity of <i>Haberlea rhodopensis</i> shade adapted phenotype under drought stress. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	4
69	Ethephon induced oxidative stress in the olive leaf abscission zone enables development of a selective abscission compound. <i>BMC Plant Biology</i> , 2017, 17, 87.	1.6	37
70	Hydrogen enhances adaptation of rice seedlings to cold stress via the reestablishment of redox homeostasis mediated by miRNA expression. <i>Plant and Soil</i> , 2017, 414, 53-67.	1.8	38
71	Green-synthesised cerium oxide nanostructures (CeO ₂ -NS) show excellent biocompatibility for phyto-cultures as compared to silver nanostructures (Ag-NS). <i>RSC Advances</i> , 2017, 7, 56575-56585.	1.7	40
72	Effects of <i>Fusarium verticillioides</i> and <i>Lactobacillus</i> Strains Inoculation on Growth and Antioxidant Enzymes Activity of <i>Zea mays</i> Plants. <i>Journal of Horticultural Research</i> , 2017, 25, 67-74.	0.4	3
73	Free radical scavenging activities can mitigate the effect of water stress in chickpea. <i>Crop and Pasture Science</i> , 2017, 68, 544.	0.7	5

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74	Physiological Responses of Two Rubber Tree Clones with Differential Cold-Tolerant Potential to Cold Stress. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2017, 20, 117-129.	0.4	6
75	Inhibition of miR-128-3p by Tongxinluo Protects Human Cardiomyocytes from Ischemia/reperfusion Injury via Upregulation of p70s6k1/p-p70s6k1. <i>Frontiers in Pharmacology</i> , 2017, 8, 775.	1.6	33
76	Simultaneous Expression of PDH45 with EPSPS Gene Improves Salinity and Herbicide Tolerance in Transgenic Tobacco Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 364.	1.7	10
77	Regulation of Banana Phytoene Synthase (MaPSY) Expression, Characterization and Their Modulation under Various Abiotic Stress Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 462.	1.7	30
78	Silicon Regulates Antioxidant Activities of Crop Plants under Abiotic-Induced Oxidative Stress: A Review. <i>Frontiers in Plant Science</i> , 2017, 8, 510.	1.7	323
79	Abiotic Stress Tolerance in Plants: Myriad Roles of Ascorbate Peroxidase. <i>Frontiers in Plant Science</i> , 2017, 8, 581.	1.7	276
80	Brassinosteroid Mediated Cell Wall Remodeling in Grasses under Abiotic Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 806.	1.7	69
81	OsSAPK2 Confers Abscisic Acid Sensitivity and Tolerance to Drought Stress in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 993.	1.7	244
82	Sugarcane Water Stress Tolerance Mechanisms and Its Implications on Developing Biotechnology Solutions. <i>Frontiers in Plant Science</i> , 2017, 8, 1077.	1.7	131
83	The Synergistic Priming Effect of Exogenous Salicylic Acid and H ₂ O ₂ on Chilling Tolerance Enhancement during Maize (<i>Zea mays</i> L.) Seed Germination. <i>Frontiers in Plant Science</i> , 2017, 8, 1153.	1.7	96
84	A Benzimidazole Proton Pump Inhibitor Increases Growth and Tolerance to Salt Stress in Tomato. <i>Frontiers in Plant Science</i> , 2017, 8, 1220.	1.7	35
85	Extra-Cellular But Extra-Ordinarily Important for Cells: Apoplastic Reactive Oxygen Species Metabolism. <i>Frontiers in Plant Science</i> , 2017, 8, 1353.	1.7	103
86	<i>Ascophyllum nodosum</i> Seaweed Extract Alleviates Drought Stress in Arabidopsis by Affecting Photosynthetic Performance and Related Gene Expression. <i>Frontiers in Plant Science</i> , 2017, 8, 1362.	1.7	137
87	Temperature Variation under Continuous Light Restores Tomato Leaf Photosynthesis and Maintains the Diurnal Pattern in Stomatal Conductance. <i>Frontiers in Plant Science</i> , 2017, 8, 1602.	1.7	28
88	Co-expression of Arabidopsis NHX1 and bar Improves the Tolerance to Salinity, Oxidative Stress, and Herbicide in Transgenic Mungbean. <i>Frontiers in Plant Science</i> , 2017, 8, 1896.	1.7	45
89	¹⁵ N-Oxalyl-L- ¹⁵ N, ¹⁵ N-diaminopropionic Acid (¹⁵ N-ODAP) Content in <i>Lathyrus sativus</i> : The Integration of Nitrogen and Sulfur Metabolism through ¹⁵ N-Cyanoalanine Synthase. <i>International Journal of Molecular Sciences</i> , 2017, 18, 526.	1.8	46
90	Assessment of Antioxidant and Cytoprotective Potential of <i>Jatropha</i> (<i>Jatropha curcas</i>) Grown in Southern Italy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 660.	1.8	23
91	The Use of Gamma Irradiation in Plant Mutation Breeding. , 0, , .		33

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92	Overexpression of Arabidopsis P3B increases heat and low temperature stress tolerance in transgenic sweetpotato. <i>BMC Plant Biology</i> , 2017, 17, 139.	1.6	32
93	The impact of over-expression of NPK1 gene on growth and yield of sorghum under drought stress. <i>African Journal of Biotechnology</i> , 2017, 16, 2267-2277.	0.3	3
94	Differential transcriptome modulation leads to variation in arsenic stress response in <i>Arabidopsis thaliana</i> accessions. <i>Journal of Hazardous Materials</i> , 2018, 351, 1-10.	6.5	41
95	Second Messengers: Central Regulators in Plant Abiotic Stress Response. , 2018, , 47-94.		10
96	Deciphering drought-induced metabolic responses and regulation in developing maize kernels. <i>Plant Biotechnology Journal</i> , 2018, 16, 1616-1628.	4.1	70
97	Investigating the scavenging of reactive oxygen species by antioxidants via theoretical and experimental methods. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 180, 268-275.	1.7	27
98	Mechanism of freeze-thaw injury and recovery: A cool retrospective and warming up to new ideas. <i>Plant Science</i> , 2018, 270, 301-313.	1.7	86
99	Effects of manufactured nano-copper on copper uptake, bioaccumulation and enzyme activities in cowpea grown on soil substrate. <i>Ecotoxicology and Environmental Safety</i> , 2018, 155, 86-93.	2.9	39
100	SELENOPROTEIN O is a chloroplast protein involved in ROS scavenging and its absence increases dehydration tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2018, 270, 278-291.	1.7	15
101	Antagonistic <i>Bacillus</i> spp. reduce blast incidence on rice and increase grain yield under field conditions. <i>Microbiological Research</i> , 2018, 208, 54-62.	2.5	21
102	Multifunctional activities of ERF109 as affected by salt stress in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2018, 8, 6403.	1.6	24
103	The antioxidant properties of plant flavonoids: their exploitation by molecular plant breeding. <i>Phytochemistry Reviews</i> , 2018, 17, 611-625.	3.1	91
104	Circadian rhythms are associated with variation in photosystem II function and photoprotective mechanisms. <i>Plant, Cell and Environment</i> , 2018, 41, 2518-2529.	2.8	13
105	Fluorescent in vivo imaging of reactive oxygen species and redox potential in plants. <i>Free Radical Biology and Medicine</i> , 2018, 122, 202-220.	1.3	39
106	<i>Balanites aegyptiaca</i> ameliorates insulin secretion and decreases pancreatic apoptosis in diabetic rats: Role of SAPK/JNK pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 102, 1084-1091.	2.5	19
107	Endophyte-Mediated Modulation of Defense-Related Genes and Systemic Resistance in <i>Withania somnifera</i> (L.) Dunal under <i>Alternaria alternata</i> Stress. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	56
108	De novo sequencing, assembly, and analysis of <i>Iris lactea</i> var. <i>chinensis</i> roots transcriptome in response to salt stress. <i>Plant Physiology and Biochemistry</i> , 2018, 125, 1-12.	2.8	27
109	Brief Challenges on Medicinal Plants: An Eye-Opening Look at Ageing-Related Disorders. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 122, 539-558.	1.2	31

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111	Postharvest UV-C application to improve health promoting secondary plant compound pattern in vegetable amaranth. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 45, 426-437.	2.7	14
112	Natively oxidized amino acid residues in the spinach cytochrome b 6 f complex. <i>Photosynthesis Research</i> , 2018, 137, 141-151.	1.6	11
113	Alleviation of iron toxicity in <i>Schinus terebinthifolius</i> Raddi (Anacardiaceae) by humic substances. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9416-9425.	2.7	15
114	Phytase overexpression in <i>Arabidopsis</i> improves plant growth under osmotic stress and in combination with phosphate deficiency. <i>Scientific Reports</i> , 2018, 8, 1137.	1.6	15
115	In vitro elicitation, isolation, and characterization of conessine biomolecule from <i>Holarrhena antidysenterica</i> (L.) Wall. callus and its larvicidal activity against malaria vector, <i>Anopheles stephensi</i> Liston. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6783-6796.	2.7	11
116	Neuroprotective activity of macamides on manganese-induced mitochondrial disruption in U-87 MG glioblastoma cells. <i>Toxicology and Applied Pharmacology</i> , 2018, 340, 67-76.	1.3	40
117	Potential toxicity of nano-graphene oxide on callus cell of <i>Plantago major</i> L. under polyethylene glycol-induced dehydration. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 910-922.	2.9	38
118	The imprints of the high light and UV-B stresses in <i>Oryza sativa</i> L. "Kanchana"™ seedlings are differentially modulated. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 551-559.	1.7	25
119	Friend or foe? Reactive oxygen species production, scavenging and signaling in plant response to environmental stresses. <i>Free Radical Biology and Medicine</i> , 2018, 122, 4-20.	1.3	415
120	Peter Barlow's™ insights and contributions to the study of tidal gravity variations and ultra-weak light emissions in plants. <i>Annals of Botany</i> , 2018, 122, 757-766.	1.4	2
121	Toxicity and detoxification of heavy metals during plant growth and metabolism. <i>Environmental Chemistry Letters</i> , 2018, 16, 1169-1192.	8.3	187
122	Legume endosymbionts: Drought stress tolerance in second-generation chickpea (<i>Cicer</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262	1.7	15
123	Proteome analysis of <i>Aspergillus flavus</i> isolate-specific responses to oxidative stress in relationship to aflatoxin production capability. <i>Scientific Reports</i> , 2018, 8, 3430.	1.6	45
124	Fluorescent <i>Pseudomonas</i> Mediated Alleviation of Trivalent Chromium Toxicity in Ragi Through Enhanced Antioxidant Activities. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2018, 88, 779-787.	0.4	5
125	Redox Signaling, Neuroinflammation, and Neurodegeneration. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1626-1651.	2.5	62
126	Spectral quality of photo-selective shade nettings improves antioxidants and overall quality in selected fresh produce after postharvest storage. <i>Food Reviews International</i> , 2018, 34, 290-307.	4.3	28
127	Aminolevulinic acid and nitric oxide regulate oxidative defense and secondary metabolisms in canola (<i>Brassica napus</i> L.) under drought stress. <i>Protoplasma</i> , 2018, 255, 163-174.	1.0	116

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128	Effect of cold stress on oxidative damage and mitochondrial respiratory properties in chickpea. <i>Plant Physiology and Biochemistry</i> , 2018, 122, 31-39.	2.8	43
129	Foliar spraying of salicylic acid induced accumulation of phenolics, increased radical scavenging activity and modified the composition of the essential oil of water stressed <i>Thymus vulgaris</i> L.. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 65-74.	2.8	51
130	Elucidating the molecular mechanisms mediating plant salt stress responses. <i>New Phytologist</i> , 2018, 217, 523-539.	3.5	894
131	Physiological and biochemical characterization of rootlets response to salt stress in two <i>Medicago truncatula</i> Gaertn. ecotypes. <i>Plant Root</i> , 2018, 12, 1-10.	0.3	2
132	Characterization of drought stress-responsive root transcriptome of faba bean (<i>Vicia faba</i> L.) using RNA sequencing. <i>3 Biotech</i> , 2018, 8, 502.	1.1	15
133	Phytoremediation potential of <i>Salvinia molesta</i> for arsenite contaminated water: role of antioxidant enzymes. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 275-286.	1.1	19
134	Determination of edaphoclimatic conditions and total flavonoids in populations of "Poleo" (<i>Clinopodium mexicanum</i>), from the semi-desert of Queretaro, Mexico. , 2018, , .		1
135	Coping with drought: stress and adaptive mechanisms, and management through cultural and molecular alternatives in cotton as vital constituents for plant stress resilience and fitness. <i>Biological Research</i> , 2018, 51, 47.	1.5	126
136	Exogenous Calcium Supplementation Improves Salinity Tolerance in BRR1 Dhan28; a Salt-Susceptible High-Yielding <i>Oryza Sativa</i> Cultivar. <i>Journal of Crop Science and Biotechnology</i> , 2018, 21, 383-394.	0.7	39
137	Chloroplasts at the Crossroad of Photosynthesis, Pathogen Infection and Plant Defense. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3900.	1.8	145
138	Stress Signaling Under Metal and Metalloid Toxicity. , 2018, , 149-184.		4
139	Biomonitoring airborne pollution: a case study of <i>Urginea maritima</i> species in Bental natural reserve " Lebanon. <i>Journal of Taibah University for Science</i> , 2018, 12, 723-729.	1.1	3
140	Antagonistic Potential of Fluorescent <i>Pseudomonads</i> Colonizing Wheat Heads Against Mycotoxin Producing <i>Alternaria</i> and <i>Fusaria</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2124.	1.5	31
141	Reactive oxygen species (ROS) and antioxidative enzyme status in <i>Solanum lycopersicum</i> on priming with fluorescent <i>Pseudomonas</i> spp. against <i>Fusarium oxysporum</i> . <i>Biologia (Poland)</i> , 2018, 73, 1073-1082.	0.8	11
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290	Antioxidant Defense Response in Plants to Cadmium Stress. , 2019, , 423-461.		11
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293	Biogeochemistry of antimony in soil-plant system: Ecotoxicology and human health. <i>Applied Geochemistry</i> , 2019, 106, 45-59.	1.4	53
294	Amplification of abiotic stress tolerance potential in rice seedlings with a low dose of UV-B seed priming. <i>Functional Plant Biology</i> , 2019, 46, 455.	1.1	34
295	Ascorbate Peroxidases: Scavengers or Sensors of Hydrogen Peroxide Signaling?. <i>Signaling and Communication in Plants</i> , 2019, , 85-115.	0.5	3
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297	Impact of sea-salt on morpho-physiological and biochemical responses in banana (<i>Musa acuminata</i> cv.) Tj ETQq1 1 0.784314,rgBT /Over	1.4	14

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299	Pollen development and function under heat stress: from effects to responses. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	45
300	Transcriptional Reprogramming of <i>Arabidopsis thaliana</i> Defence Pathways by the Entomopathogen <i>Beauveria bassiana</i> Correlates With Resistance Against a Fungal Pathogen but Not Against Insects. <i>Frontiers in Microbiology</i> , 2019, 10, 615.	1.5	37
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303	Assessment of <i>Melissa officinalis</i> L. essential oil as an eco-friendly approach against biodeterioration of wheat flour caused by <i>Tribolium castaneum</i> Herbst. <i>Environmental Science and Pollution Research</i> , 2019, 26, 14036-14049.	2.7	29
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307	Soil Amendment with Raw Garlic Stalk: A Novel Strategy to Stimulate Growth and the Antioxidative Defense System in Monocropped Eggplant in the North of China. <i>Agronomy</i> , 2019, 9, 89.	1.3	15
308	<i>Pouteria torta</i> is a remarkable native plant for biomonitoring the glyphosate effects on Cerrado vegetation. <i>Ecological Indicators</i> , 2019, 102, 497-506.	2.6	18
309	Effects of <i>Ascophyllum nodosum</i> extract on <i>Vitis vinifera</i> : Consequences on plant physiology, grape quality and secondary metabolism. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 21-32.	2.8	56
310	Metabolomics Studies of Stress in Plants. , 2019, , 127-178.		1
311	Oxidative Stress and Antioxidant Defence Under Metal Toxicity in Halophytes. , 2019, , 115-155.		2
312	Transcriptome profiling of faba bean (<i>Vicia faba</i> L.) drought-tolerant variety hassawi-2 under drought stress using RNA sequencing. <i>Electronic Journal of Biotechnology</i> , 2019, 39, 15-29.	1.2	19
313	Symbiotic microbes of <i>Saxifraga stellaris</i> ssp. <i>alpigena</i> from the copper creek of Schwarzwand (Austrian Alps) enhance plant tolerance to copper. <i>Chemosphere</i> , 2019, 228, 183-194.	4.2	12
314	Ascorbic acid formulation for survivability and diazotrophic efficacy of <i>Azotobacter chroococcum</i> Avi2 (MCC 3432) under hydrogen peroxide stress and its role in plant-growth promotion in rice (<i>Oryza</i>) Tj ETQq0 028gBT /Ov2lock 10		1
315	Comparison study of zinc nanoparticles and zinc sulphate on wheat growth: From toxicity and zinc biofortification. <i>Chemosphere</i> , 2019, 227, 109-116.	4.2	195

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317	A Strong Impact of Soil Tetracycline on Physiology and Biochemistry of Pea Seedlings. <i>Scientifica</i> , 2019, 2019, 1-14.	0.6	14
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319	Silver nanoparticles in the micropropagation of <i>Campomanesia rufa</i> (O. Berg) Nied. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 137, 359-368.	1.2	22
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329	Response of Mustard Microgreens to Different Wavelengths and Durations of UV-A LEDs. <i>Frontiers in Plant Science</i> , 2019, 10, 1153.	1.7	33
330	Interactive Effects of Salicylic Acid and Nitric Oxide in Enhancing Rice Tolerance to Cadmium Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5798.	1.8	63
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348	Metal Toxicity in Rice and Strategies for Improving Stress Tolerance. , 2019, , 313-339.		9
349	Physiological and Molecular Responses for Metalloid Stress in Rice—A Comprehensive Overview. , 2019, , 341-369.		31
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353	Roles of Cytosolic Glutamine Synthetases in Arabidopsis Development and Stress Responses. <i>Plant and Cell Physiology</i> , 2019, 60, 657-671.	1.5	36
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356	Reactive oxygen species and heavy metal stress in plants: Impact on the cell wall and secondary metabolism. <i>Environmental and Experimental Botany</i> , 2019, 161, 98-106.	2.0	302
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358	Excess copper promotes photoinhibition and modulates the expression of antioxidant-related genes in <i>Zostera muelleri</i> . <i>Aquatic Toxicology</i> , 2019, 207, 91-100.	1.9	25
359	Water deficit stress, ROS involvement, and plant performance. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1160-1181.	1.3	34
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365	A review on the druggability of a thiol-based enzymatic antioxidant thioredoxin reductase for treating filariasis and other parasitic infections. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 125-141.	3.6	12
366	Stripe rust induced defence mechanisms in the leaves of contrasting barley genotypes (<i>Hordeum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2019, 26, 5851-5861.	1.0	11
367	The Deoxymiroestrol and Isoflavonoid Production and Their Elicitation of Cell Suspension Cultures of <i>Pueraria candollei</i> var. <i>mirifica</i> : from Shake Flask to Bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 57-72.	1.4	15
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372	Plant tissue culture environment as a switch-key of (epi)genetic changes. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 245-257.	1.2	76
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375	In vitro drought tolerance in selected elite clones of <i>Eucalyptus tereticornis</i> Sm.. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	18
376	Natively oxidized amino acid residues in the spinach PS I-LHC I supercomplex. <i>Photosynthesis Research</i> , 2020, 143, 263-273.	1.6	11
377	Effect of <i>Manihot esculenta</i> (Crantz) leaf extracts on antioxidant and immune system of <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101476.	1.5	8
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380	Genotypes of the aquatic plant <i>Myriophyllum spicatum</i> with different growth strategies show contrasting sensitivities to copper contamination. <i>Chemosphere</i> , 2020, 245, 125552.	4.2	7
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385	Phytotoxicity and upper localization of Ag@CoFe ₂ O ₄ nanoparticles in wheat plants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1923-1940.	2.7	18
386	Glucose: Sweet or bitter effects in plants-a review on current and future perspective. <i>Carbohydrate Research</i> , 2020, 487, 107884.	1.1	43
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388	<i>Rhynchosia rufescens</i> AgNPs enhance cytotoxicity by ROS-mediated apoptosis in MCF-7 cell lines. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2155-2164.	2.7	12

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395	Reduction of Oxidative Stress through Activating the Nrf2 mediated HO-1 Antioxidant Efficacy Signaling Pathway by MS15, an Antimicrobial Peptide from <i>Bacillus velezensis</i> . <i>Antioxidants</i> , 2020, 9, 934.	2.2	15
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408	Extraction of flavanones from immature Citrus unshiu pomace: process optimization and antioxidant evaluation. <i>Scientific Reports</i> , 2020, 10, 19950.	1.6	18
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411	Characterization of the biochemical basis for copper homeostasis and tolerance in <i>Biscutella auriculata</i> L.. <i>Physiologia Plantarum</i> , 2020, 173, 167-179.	2.6	1
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416	Biochemical Response of Oakleaf Lettuce Seedlings to Different Concentrations of Some Metal(oid) Oxide Nanoparticles. <i>Agronomy</i> , 2020, 10, 997.	1.3	24
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420	Alpha β -momorcharin enhances <i>Nicotiana benthamiana</i> resistance to tobacco mosaic virus infection through modulation of reactive oxygen species. <i>Molecular Plant Pathology</i> , 2020, 21, 1212-1226.	2.0	20
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424	Drought-hardening improves drought tolerance in <i>Nicotiana tabacum</i> at physiological, biochemical, and molecular levels. <i>BMC Plant Biology</i> , 2020, 20, 486.	1.6	30

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427	A Mechanistic Evaluation of Antioxidant Nutraceuticals on Their Potential against Age-Associated Neurodegenerative Diseases. <i>Antioxidants</i> , 2020, 9, 1019.	2.2	18
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1017	Oviposition behaviour and biochemical response of an insect pest, <i>Zeugodacus cucurbitae</i> (Coquillett) (Diptera: Tephritidae) to plant phenolic compound phloroglucinol. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 255, 109291.	1.3	7
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1019	Foliar-applied cerium oxide nanomaterials improve maize yield under salinity stress: Reactive oxygen species homeostasis and rhizobacteria regulation. <i>Environmental Pollution</i> , 2022, 299, 118900.	3.7	35
1020	Tolerance of <i>Pyrus</i> spp. and <i>Cydonia oblonga</i> as pear rootstocks to iron chlorosis determined by in vitro growth, antioxidant and molecular responses. <i>Scientia Horticulturae</i> , 2022, 296, 110911.	1.7	3
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1022	Microalgal based biostimulants as alleviator of biotic and abiotic stresses in crop plants. , 2022, , 195-216.		3
1023	Effect of symbiotic associations with <i>Frankia</i> and arbuscular mycorrhizal fungi on antioxidant activity and cell ultrastructure in <i>C. equisetifolia</i> and <i>C. obesa</i> under salt stress. <i>Journal of Forest Research</i> , 0, , 1-11.	0.7	4
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1025	Plant growth promoting bacteria (PGPR) induce antioxidant tolerance against salinity stress through biochemical and physiological mechanisms. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 347-361.	1.4	33
1026	Mitigation of Water Deficit in Two Cultivars of <i>Panicum maximum</i> by the Application of Silicon. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	6
1027	Electrochemical and Mechanistic Study of Superoxide Scavenging by Pyrogallol in N,N-Dimethylformamide through Proton-Coupled Electron Transfer. <i>Electrochem</i> , 2022, 3, 115-128.	1.7	5
1028	Impact of Rice Husk Biochar on Drought Stress Tolerance in Perennial Ryegrass (<i>Lolium perenne</i> L.). <i>Journal of Plant Growth Regulation</i> , 2023, 42, 810-826.	2.8	7
1029	Early Activation of Antioxidant Responses in Ni-Stressed Tomato Cultivars Determines Their Resilience Under Co-exposure to Drought. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 877-891.	2.8	7
1030	Isolation and Screening of 1-aminocyclopropane-1-carboxylic acid (ACC) deaminase producing PGPR from <i>Paonia lactiflora</i> rhizosphere and enhancement of plant growth. <i>Scientia Horticulturae</i> , 2022, 297, 110956.	1.7	16
1031	Why Is the Correct Selection of <i>Trichoderma</i> Strains Important? The Case of Wheat Endophytic Strains of <i>T. harzianum</i> and <i>T. simmonsii</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1087.	1.5	17

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1041	Auxin-Glucose Conjugation Protects the Rice (<i>Oryza sativa</i> L.) Seedlings Against Hydroxyurea-Induced Phytotoxicity by Activating UDP-Glucosyltransferase Enzyme. <i>Frontiers in Plant Science</i> , 2021, 12, 767044.	1.7	7
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1045	Jasmonate resistant 1 and ethylene responsive factor 11 are involved in chilling sensitivity in pepper fruit (<i>Capsicum annuum</i> L.). <i>Scientific Reports</i> , 2022, 12, 3141.	1.6	0
1046	Salt Stress Induced Changes in Photosynthesis and Metabolic Profiles of One Tolerant (â€ˆBonicaâ€™™) and One Sensitive (â€ˆBlack Beautyâ€™™) Eggplant Cultivars (<i>Solanum melongena</i> L.). <i>Plants</i> , 2022, 11, 590.	1.6	26
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1048	Biochemical traits enhance the trait concept in <i>Sphagnum</i> ecology. <i>Oikos</i> , 2022, 2022, .	1.2	5
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1052	Dhurrin increases but does not mitigate oxidative stress in droughted <i>Sorghum bicolor</i> . <i>Planta</i> , 2022, 255, 74.	1.6	3
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1055	Contribution of Native and Exotic Arbuscular Mycorrhizal Fungi in Improving the Physiological and Biochemical Response of Hulless Barley (<i>Hordeum vulgare</i> ssp. <i>nudum</i> L.) to Drought. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2187-2204.	1.7	5
1056	The Role of Singlet Oxygen, Superoxide, Hydroxide, and Hydrogen Peroxide in the Photoelectrochemical Response of Phenols at a Supported Highly Fluorinated Zinc Phthalocyanine. <i>ChemElectroChem</i> , 2022, 9, .	1.7	1
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1059	Seed priming with different agents mitigate alkalinity induced oxidative damage and improves maize growth. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2022, 50, 12615.	0.5	7
1060	Recent advances on the use of abiotic stress (water, UV radiation, atmospheric gases, and temperature) Tj ETQq0 0 0 rgBT /Overlock 10 Growth Regulation, 2022, 97, 1-20.	1.8	12
1061	Sand Priming Promotes Seed Germination, Respiratory Metabolism and Antioxidant Capacity of <i>Pinus massoniana</i> Lamb.. <i>Agriculture (Switzerland)</i> , 2022, 12, 455.	1.4	1
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1070	Recent Insights into Signaling Responses to Cope Drought Stress in Rice. <i>Rice Science</i> , 2022, 29, 105-117.	1.7	16
1071	Probing Herbicide Toxicity to Algae (<i>Selenastrum capricornutum</i>) by Lipid Profiling with Machine Learning and Microchip/MALDI-TOF Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2022, 35, 606-615.	1.7	3

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1073	Physiological and biochemical analysis of barley (<i>Hordeum vulgare</i>) genotypes with contrasting salt tolerance. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	1.0	3
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1077	Arsenic-Induced Oxidative Stress and Antioxidant Defense in Plants. <i>Stresses</i> , 2022, 2, 179-209.	1.8	40
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1079	<i>Bacillus subtilis</i> - and <i>Pseudomonas fluorescens</i> -Mediated Systemic Resistance in Tomato Against <i>Sclerotium rolfsii</i> and Study of Physio-Chemical Alterations. <i>Frontiers in Fungal Biology</i> , 2022, 3, .	0.9	7
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1084	Effect of exogenous application of salt stress and glutamic acid on lettuce (<i>Lactuca sativa</i> L.). <i>Scientia Horticulturae</i> , 2022, 299, 111027.	1.7	7
1085	Comparative study of micropropagated plants of Grand Naine banana during in vitro regeneration and ex vitro acclimatization. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 42, 102325.	1.5	4
1086	Investigation of The Roles of Hydrogen Peroxide and NADPH Oxidase in The Regulation of Polyamine Metabolism in Maize Plants under Drought Stress Conditions. <i>Tarim Bilimleri Dergisi</i> , 0, , .	0.4	0
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1088	Changes in Antioxidant Defence System in Durum Wheat under Hyperosmotic Stress: A Concise Overview. <i>Plants</i> , 2022, 11, 98.	1.6	9
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1093	Functions of reactive oxygen species in plant cells under normal conditions and during adaptation. <i>Ecological Genetics</i> , 2021, 19, 343-363.	0.1	3
1094	Mild Salinity Stimulates Biochemical Activities and Metabolites Associated with Anticancer Activities in Black Horehound (<i>Ballota nigra</i> L.). <i>Agronomy</i> , 2021, 11, 2538.	1.3	5
1095	Effects of micronutrients on the detection of extracellular superoxide produced by the harmful raphidophyte <i>Chattonella antiqua</i> in culture. <i>Journal of Plankton Research</i> , 2022, 44, 36-47.	0.8	1
1096	Harnessing Endophytic Fungi for Enhancing Growth, Tolerance and Quality of Rose-Scented Geranium (<i>Pelargonium graveolens</i> (L'Her) Thunb.) Plants under Cadmium Stress: A Biochemical Study. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 1039.	1.5	12
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1099	Genetic Potential and Inheritance Pattern of Phenological Growth and Drought Tolerance in Cotton (<i>Gossypium Hirsutum</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 705392.	1.7	17
1100	Directions for future research to use silicon and silicon nanoparticles to increase crops tolerance to stresses and improve their quality. , 2022, , 349-367.		0
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1105	Protective effects of aucubin against nonylphenol-induced liver toxicity by improving biochemical, inflammatory and histopathological indices. <i>Journal of King Saud University - Science</i> , 2022, 34, 102033.	1.6	7
1106	An Insight into Abiotic Stress and Influx Tolerance Mechanisms in Plants to Cope in Saline Environments. <i>Biology</i> , 2022, 11, 597.	1.3	32
1155	Antioxidant Defense System in Plants Against Biotic Stress. , 2022, , 383-395.		3
1157	Beneficial Role of Phytochemicals in Oxidative Stress Mitigation in Plants. , 2022, , 435-451.		1

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1160	Effects of Salt Stress on Transcriptional and Physiological Responses in Barley Leaves with Contrasting Salt Tolerance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5006.	1.8	6
1161	CRISPR/Cas9 Mediated Knockout of the OsbHLH024 Transcription Factor Improves Salt Stress Resistance in Rice (<i>Oryza sativa</i> L.). <i>Plants</i> , 2022, 11, 1184.	1.6	43
1162	Intracellular Trafficking and Distribution of Cd and InP Quantum Dots in HeLa and ML-1 Thyroid Cancer Cells. <i>Nanomaterials</i> , 2022, 12, 1517.	1.9	9
1163	Effects of Chilling Stress on Morphological, Physiological, and Biochemical Attributes of Silage Corn Genotypes during Seedling Establishment. <i>Plants</i> , 2022, 11, 1217.	1.6	20
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1168	Antioxidative and osmoprotecting mechanisms in carrot plants tolerant to soil salinity. <i>Scientific Reports</i> , 2022, 12, 7266.	1.6	10
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1170	Effects of high growth-medium temperature under controlled conditions on characteristics of tomato leaves. <i>Biologia Plantarum</i> , 0, 66, 132-145.	1.9	0
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1173	Effect of Cadmium Stress on the Growth, Physiology, Stress Markers, Antioxidants and Stomatal Behaviour of Two Genotypes of Chickpea (L). <i>Phyton</i> , 2022, 91, 1987-2004.	0.4	3
1175	Oxidative Stress in Roots: Detection of Lipid Peroxidation and Total Antioxidative Capacity. <i>Methods in Molecular Biology</i> , 2022, 2447, 221-231.	0.4	4
1176	Influence of silver nitrate and copper sulfate on somatic embryogenesis, shoot morphogenesis, multiplication, and associated physiological biochemical changes in <i>Gladiolus hybridus</i> L. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 149, 563-587.	1.2	3
1177	Comprehensive comparative analysis and expression profiles and effects on physiological response of DEAD-box RNA helicase genes in <i>Lumnitzera littorea</i> (Jack) Voigt under cold stress. <i>Journal of Plant Interactions</i> , 2022, 17, 595-607.	1.0	3

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1179	Breeding and Omics Approaches to Understand Abiotic Stress Response in Rice. , 2022, , 341-404.		1
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1181	Metabolome Analyses in Response to Diverse Abiotic Stress. , 2022, , 103-117.		4
1184	Biochemical and Molecular Mechanism of Wheat to Diverse Environmental Stresses. , 2022, , 435-446.		1
1187	Metabolic Pathways for Observed Impacts of Crop Load on Floral Induction in Apple. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6019.	1.8	3
1188	Ultrasensitive and real-time optical detection of cellular oxidative stress using graphene-covered tunable plasmonic interfaces. <i>Nano Convergence</i> , 2022, 9, .	6.3	2
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1193	Molecular and Biochemical Analysis of Duplicated Cytosolic CuZn Superoxide Dismutases of Rice and in silico Analysis in Plants. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	1
1194	Ethylene augments root hypoxia tolerance via growth cessation and reactive oxygen species amelioration. <i>Plant Physiology</i> , 2022, 190, 1365-1383.	2.3	30
1195	Drought Tolerance Strategies and Autophagy in Resilient Wheat Genotypes. <i>Cells</i> , 2022, 11, 1765.	1.8	4
1196	LC-ESI-MS/MS analysis, biological effects of phenolic compounds extracted by microwave method from Algerian <i>Zizyphus lotus</i> fruits. <i>Journal of Food Measurement and Characterization</i> , 0, , .	1.6	0
1197	Reactive Oxygen Species (ROS) and Reactive Nitrogen Species (RNS) in plantsâ€™ maintenance of structural individuality and functional blend. <i>Advances in Redox Research</i> , 2022, 5, 100039.	0.9	48
1198	SISPS, a Sucrose Phosphate Synthase Gene, Mediates Plant Growth and Thermotolerance in Tomato. <i>Horticulturae</i> , 2022, 8, 491.	1.2	11
1199	Molecular Approaches Reduce Saturates and Eliminate trans Fats in Food Oils. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	4
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1203	Integration of Metabolomics and Transcriptomics for Investigating the Tolerance of Foxtail Millet (<i>Setaria italica</i>) to Atrazine Stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
1204	Preinoculation with Endophytic fungus <i>Phomopsis liquidambaris</i> reduced rice bakanae disease caused by <i>Fusarium proliferatum</i> via enhanced plant resistance. <i>Journal of Applied Microbiology</i> , 2022, 133, 1566-1580.	1.4	5
1205	Growth response of <i>Brachystegia longifolia</i> to copper mining pollution-induced heavy metal stress. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 5241-5252.	1.8	2
1206	High pressure processing and heat sterilization of kale: Impact on extractability, antioxidant capacity and storability of carotenoids and vitamin E. , 0, , .		2
1207	Genome-Wide Identification and Analysis of the Class III Peroxidase Gene Family in Tobacco (<i>Nicotiana glauca</i>) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	9
1208	VaMYB44 transcription factor from Chinese wild <i>Vitis amurensis</i> negatively regulates cold tolerance in transgenic <i>Arabidopsis thaliana</i> and <i>V. vinifera</i> . <i>Plant Cell Reports</i> , 2022, 41, 1673-1691.	2.8	3
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1215	Co-Application of TiO ₂ Nanoparticles and Arbuscular Mycorrhizal Fungi Improves Essential Oil Quantity and Quality of Sage (<i>Salvia officinalis</i> L.) in Drought Stress Conditions. <i>Plants</i> , 2022, 11, 1659.	1.6	26
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1218	The endophyte <i>Stenotrophomonas maltophilia</i> EPS modulates endogenous antioxidant defense in safflower (<i>Carthamus tinctorius</i> L.) under cadmium stress. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	2

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1253	Amelioration of modified chronic unpredictable stress using <i>Celastrus paniculatus</i> seed oil alone and in combination with fluoxetine. <i>Drug and Chemical Toxicology</i> , 2023, 46, 879-894.	1.2	0
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1382	Characterization of polyphenols by RP-HPLC in <i>Basilicum polystachyon</i> (L.) Moench with their antioxidant and antimicrobial properties. <i>South African Journal of Botany</i> , 2022, 151, 926-940.	1.2	3
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1435	The intertwining of Zn-finger motifs and abiotic stress tolerance in plants: Current status and future prospects. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
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1438	Induced defense responses in cultivated and wild chickpea genotypes against <i>Helicoverpa armigera</i> infestation. <i>Biologia Futura</i> , 2023, 74, 231-246.	0.6	2
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1452	Effect of heavy metals on growth, physiological and biochemical responses of plants. , 2023, , 139-159.		6
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1457	Hydrogen Peroxide and GA3 Levels Regulate the High Night Temperature Response in Pistils of Wheat (<i>Triticum aestivum</i> L.). <i>Antioxidants</i> , 2023, 12, 342.	2.2	5
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1480	Molecular cloning, tissues distribution, and function analysis of thioredoxin-like protein-1 (TXNL1) in Chinese giant salamanders <i>Andrias davidianus</i> . <i>Developmental and Comparative Immunology</i> , 2023, 144, 104691.	1.0	0
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1485	Full solar spectrum-driven Cu ₂ O/PDINH heterostructure with enhanced photocatalytic antibacterial activity and mechanism insight. <i>Journal of Hazardous Materials</i> , 2023, 448, 130851.	6.5	17
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1487	Carboxymethyl dextrin-grafted-poly(aniline-co-m-phenylenediamine)@Fe ₃ O ₄ /CuO bionanocomposite: Physico-chemical characteristics and antioxidant, antibacterial, and cytotoxicity studies for potential biomedicine. <i>European Polymer Journal</i> , 2023, 186, 111862.	2.6	5
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1493	Salicylic acid and jasmonic acid induced enhanced production of total phenolics, flavonoids, and antioxidant metabolism in callus cultures of <i>Givotia moluccana</i> (L.) Sreem. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 0, , .	0.9	1
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1495	Impact of <i>Piriformospora indica</i> on various characteristics of tomatoes during nickel nitrate stress under aeroponic and greenhouse conditions. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
1496	Examination of Different Sporidium Numbers of <i>Ustilago maydis</i> Infection on Two Hungarian Sweet Corn Hybrids™ Characteristics at Vegetative and Generative Stages. <i>Life</i> , 2023, 13, 433.	1.1	0
1497	Enzymatic Antioxidant System Activation Assures the Viability of <i>Guadua chacoensis</i> (Bambusoideae.) Tj ETQq1 1 0,784314 rgBT /Over	1.6	0

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1707	Coping with Drought: Consequences, Responses, and Plant Growth Promoting Rhizobacteria Mediated Amelioration Mechanisms in Crop Plants. <i>Gesunde Pflanzen</i> , 0, , .	1.7	0
1754	Secondary metabolites of lichens and their application. , 2024, , 91-115.		0
1757	Coffee Leaf Rust Resistance: An Overview. , 2023, , 19-38.		0
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