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List of Articles by Year in descending order

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PR articles

23,541

PR citations

7653

73

PR h-index

9291

142

g-index

317

documents

30238

doc citations

7190

80

h-index

26089

citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological and biomolecular interventions in the bio-decolorization of Methylene blue dye by <i>Salvinia molesta</i> D. Mitch. International Journal of Phytoremediation, 2025, 27, 215-232.	3.4	5
2	Multi-Trait Index-Based Selection of Drought Tolerant Wheat: Physiological and Biochemical Profiling. Plants, 2025, 14, 35.	3.7	9
3	Insights Into the Mechanisms of Tonoplast Dicarboxylate Transporter-Induced Plant Tolerance Against Manganese Toxicity in Peach. Plant, Cell and Environment, 2025, 48, 4703-4718.	6.5	1
4	Silicon-induced photosynthetic adaptations in common buckwheat under salt stress revealed by prompt chlorophyll a fluorescence analysis. Scientific Reports, 2025, 15, .	3.4	6
5	Bioaugmentation with Plant Growth-Promoting Rhizobacteria Alleviates Chromium and Salt Stress in Rice Through the Improvement of Physiology, Ion Homeostasis, and Antioxidant Defense. Microorganisms, 2025, 13, 1462.	3.8	2
6	Enhancing drought resilience in Brassica campestris: Antioxidant and physiological benefits of Ascophyllum nodosum extract and alginic acid. Plant Physiology and Biochemistry, 2025, 227, 110198.	5.5	1
7	2,4-D mediated moderation of aluminum tolerance in <i>Salvinia molesta</i> D. Mitch. with regards to bioexclusion and related physiological and metabolic changes. International Journal of Phytoremediation, 2024, 26, 27-44.	3.4	2
8	Modulation of plant photosynthetic processes during metal and metalloid stress, and strategies for manipulating photosynthesis-related traits. Plant Physiology and Biochemistry, 2024, 206, 108211.	5.5	29
9	Elevated tropospheric ozone and crop production: potential negative effects and plant defense mechanisms. Frontiers in Plant Science, 2024, 14, .	4.1	51
10	Decreased Photosynthetic Efficiency in Nicotiana tabacum L. under Transient Heat Stress. Plants, 2024, 13, 395.	3.7	9
11	Insights into the mechanism of abscisic acid-induced 2, 4-D tolerance in maize (Zea mays L.) seedlings: Study on the regulation of osmolytes, fluorescence, photosynthetic carbon reactions, and antioxidant metabolism. Plant Stress, 2024, 11, 100396.	6.4	14
12	Organic Amendments: Enhancing Plant Tolerance to Salinity and Metal Stress for Improved Agricultural Productivity. Stresses, 2024, 4, 185-209.	5.6	47
13	Regulation of reactive oxygen species metabolism and oxidative stress signaling by abscisic acid pretreatment in rice (Oryza sativa L.) seedlings through sub1A QTL under salinity. Plant Stress, 2024, 11, 100422.	6.4	42
14	Impact of Potassium-Solubilizing Microorganisms with Potassium Sources on the Growth, Physiology, and Productivity of Wheat Crop under Salt-Affected Soil Conditions. Agronomy, 2024, 14, 423.	3.0	15
15	CmoPIP1-4 confers drought tolerance in pumpkin by altering hydrogen sulfide signaling. Plant Physiology and Biochemistry, 2024, 208, 108443.	5.5	12
16	Silver nanoparticles in plant health: Physiological response to phytotoxicity and oxidative stress. Plant Physiology and Biochemistry, 2024, 209, 108538.	5.5	46
17	Biochar for the Mitigation of Metal/Metalloid Stress in Plants. Journal of Plant Growth Regulation, 2024, 43, 3303-3319.	3.7	20
18	Management of Secondary Metabolite Synthesis and Biomass in Basil (Ocimum basilicum L.) Microgreens Using Different Continuous-Spectrum LED Lights. Plants, 2024, 13, 1394.	3.7	14

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19	Harnessing plant growth-promoting rhizobacteria, <i>Bacillus subtilis</i> and <i>B. aryabhatai</i> to combat salt stress in rice: a study on the regulation of antioxidant defense, ion homeostasis, and photosynthetic parameters. <i>Frontiers in Plant Science</i> , 2024, 15, .	4.1	37
20	Modulation of secondary metabolism and redox regulation by exogenously applied glutathione improves the shelf life of <i>Capsicum annum</i> L. fruit. <i>Plant Physiology and Biochemistry</i> , 2024, 212, 108789.	5.5	20
21	Carbon dioxide sensitization delays the postharvest ripening and fatty acids composition of <i>Capsicum</i> fruit by regulating ethylene biosynthesis, malic acid and reactive oxygen species metabolism. <i>Physiology and Molecular Biology of Plants</i> , 2024, 30, 985-1002.	3.0	7
22	Exploring Aluminum Tolerance Mechanisms in Plants with Reference to Rice and Arabidopsis: A Comprehensive Review of Genetic, Metabolic, and Physiological Adaptations in Acidic Soils. <i>Plants</i> , 2024, 13, 1760.	3.7	13
23	Selenium and its nanoparticles modulate the metabolism of reactive oxygen species and morpho-physiology of wheat (<i>Triticum aestivum</i> L.) to combat oxidative stress under water deficit conditions. <i>BMC Plant Biology</i> , 2024, 24, .	4.3	22
24	Phosphorus-induced restructuring of the ascorbate-glutathione cycle and lignin biosynthesis alleviates manganese toxicity in peach roots. <i>Tree Physiology</i> , 2024, 44, .	3.5	6
25	Variations in photoperiods and their impact on yield, photosynthesis and secondary metabolite production in basil microgreens. <i>BMC Plant Biology</i> , 2024, 24, .	4.3	17
26	Unraveling the mechanisms of biochar and steel slag in alleviating lithium stress in tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf pathways. <i>Plant Physiology and Biochemistry</i> , 2024, 215, 109062.	5.5	2
27	Role of organic amendments in improving the morphophysiology and soil quality of <i>Setaria italica</i> under salinity. <i>Heliyon</i> , 2024, 10, e38159.	3.3	8
28	From stress to resilience: Unraveling the molecular mechanisms of cadmium toxicity, detoxification and tolerance in plants. <i>Science of the Total Environment</i> , 2024, 954, 176462.	8.4	32
29	Modulating reactive oxygen species and ion homeostasis for combined salt and cadmium stress tolerance in <i>Brassica campestris</i> : The role of beneficial microbes. <i>Plant Stress</i> , 2024, 14, 100605.	6.4	7
30	Salinity-responsive hyperaccumulation of flavonoids in <i>Spirodela polyrrhiza</i> , resultant maneuvering in the structure and antimicrobial as well as azo dye decontamination profile of biofabricated zinc oxide nanoentities. <i>Scientific Reports</i> , 2024, 14, .	3.4	2
31	Biochar Outperforms Biochar-Compost Mix in Stimulating Ecophysiological Responses and Enhancing Soil Fertility under Drought Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 2024, 24, 7771-7785.	2.8	4
32	Vanillic Acid Modulates Antioxidant Defense and Methylglyoxal Detoxification Systems to Combat Drought Stress in Tomato Seedlings. <i>Plants</i> , 2024, 13, 3114.	3.7	5
33	Exogenous Gallic Acid Confers Salt Tolerance in Rice Seedlings: Modulation of Ion Homeostasis, Osmoregulation, Antioxidant Defense, and Methylglyoxal Detoxification Systems. <i>Agronomy</i> , 2023, 13, 16.	3.0	20
34	Foliar Application of Ascorbic Acid and Tocopherol in Conferring Salt Tolerance in Rapeseed by Enhancing K ⁺ /Na ⁺ Homeostasis, Osmoregulation, Antioxidant Defense, and Glyoxalase System. <i>Agronomy</i> , 2023, 13, 361.	3.0	30
35	Seed Priming and Foliar Application with Ascorbic Acid and Salicylic Acid Mitigate Salt Stress in Wheat. <i>Agronomy</i> , 2023, 13, 493.	3.0	28
36	Insight into the physiological and biochemical mechanisms of biostimulating effect of <i>Ascophyllum nodosum</i> and <i>Moringa oleifera</i> extracts to minimize cadmium-induced oxidative stress in rice. <i>Environmental Science and Pollution Research</i> , 2023, 30, 55298-55313.	4.3	12

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37	Supplementation with <i>Ascophyllum nodosum</i> extracts mitigates arsenic toxicity by modulating reactive oxygen species metabolism and reducing oxidative stress in rice. <i>Ecotoxicology and Environmental Safety</i> , 2023, 255, 114819.	6.2	23
38	Primary plant nutrients modulate the reactive oxygen species metabolism and mitigate the impact of cold stress in overseeded perennial ryegrass. <i>Frontiers in Plant Science</i> , 2023, 14, .	4.1	25
39	Insight into the biochemical and physiological mechanisms of nanoparticles-induced arsenic tolerance in bamboo. <i>Frontiers in Plant Science</i> , 2023, 14, .	4.1	26
40	Role of Rare Earth Elements in Plants. <i>Plant Molecular Biology Reporter</i> , 2023, 41, 345-368.	1.2	29
41	Silencing of PpNRAMP5 improves manganese toxicity tolerance in peach (<i>Prunus persica</i>) seedlings. <i>Journal of Hazardous Materials</i> , 2023, 454, 131442.	12.5	34
42	Regulation of NADP-Malic Enzyme Activity in Maize (<i>Zea mays</i> L.) under Salinity with Reference to Light and Darkness. <i>Plants</i> , 2023, 12, 1836.	3.7	12
43	Potential of Halophytes as Sustainable Fodder Production by Using Saline Resources: A Review of Current Knowledge and Future Directions. <i>Plants</i> , 2023, 12, 2150.	3.7	24
44	Molecular Mechanisms in Understanding Anoxia Tolerance in Rice Seeds under Submergence and Their Implication in Rice Biotechnology. <i>Seeds</i> , 2023, 2, 246-258.	2.6	10
45	Biochemical Compounds, Antioxidant Capacity, Leaf Color Profile and Yield of Basil (<i>Ocimum</i> sp.) Microgreens in Floating System. <i>Plants</i> , 2023, 12, 2652.	3.7	20
46	Exogenous Allantoin Confers Rapeseed (<i>Brassica campestris</i>) Tolerance to Simulated Drought by Improving Antioxidant Metabolism and Physiology. <i>Antioxidants</i> , 2023, 12, 1508.	5.8	23
47	Plantâ€™Nanoparticle Interactions: Transcriptomic and Proteomic Insights. <i>Agronomy</i> , 2023, 13, 2112.	3.0	28
48	Balancing Yield and Antioxidant Capacity in Basil Microgreens: An Exploration of Nutrient Solution Concentrations in a Floating System. <i>Agriculture (Switzerland)</i> , 2023, 13, 1691.	3.1	10
49	Understanding the role of beneficial elements in developing plant stress resilience: Signalling and crosstalk with phytohormones and microbes. <i>Plant Stress</i> , 2023, 10, 100224.	6.4	33
50	Actualizing the worldwide distribution and main uses of <i>Parkinsonia aculeata</i> L., Sp. Pl. <i>Vegetos</i> , 2023, 37, 1203-1210.	0.9	2
51	Abscisic acid priming confers salt tolerance in maize seedlings by modulating osmotic adjustment, bond energies, ROS homeostasis, and organic acid metabolism. <i>Plant Physiology and Biochemistry</i> , 2023, 202, 107980.	5.5	38
52	Unraveling the importance of nitric oxide in plant-microbe interaction. <i>Plant Stress</i> , 2023, 10, 100258.	6.4	8
53	Application of biochar and humic acid improves the physiological and biochemical processes of rice (<i>Oryza sativa</i> L.) in conferring plant tolerance to arsenic-induced oxidative stress. <i>Environmental Science and Pollution Research</i> , 2023, 31, 1562-1575.	4.3	17
54	Phosphorus confers tolerance against manganese toxicity in <i>Prunus persica</i> by reducing oxidative stress and improving chloroplast ultrastructure. <i>Chemosphere</i> , 2022, 291, 132999.	8.2	48

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55	Selenium Supplementation and Crop Plant Tolerance to Metal/Metalloid Toxicity. <i>Frontiers in Plant Science</i> , 2022, 12, .	4.1	69
56	Potassium in plants: Growth regulation, signaling, and environmental stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 56-69.	5.5	416
57	Exogenous salicylic acid and kinetin modulate reactive oxygen species metabolism and glyoxalase system to confer waterlogging stress tolerance in soybean (<i>Glycine max L.</i>). <i>Plant Stress</i> , 2022, 3, 100057.	6.4	41
58	Metal/Metalloid-Based Nanomaterials for Plant Abiotic Stress Tolerance: An Overview of the Mechanisms. <i>Plants</i> , 2022, 11, 316.	3.7	181
59	Photoactivated TiO ₂ Nanocomposite Delays the Postharvest Ripening Phenomenon through Ethylene Metabolism and Related Physiological Changes in Capsicum Fruit. <i>Plants</i> , 2022, 11, 513.	3.7	16
60	Co-Application of 24-Epibrassinolide and Titanium Oxide Nanoparticles Promotes <i>Pleioblastus pygmaeus</i> Plant Tolerance to Cu and Cd Toxicity by Increasing Antioxidant Activity and Photosynthetic Capacity and Reducing Heavy Metal Accumulation and Translocation. <i>Antioxidants</i> , 2022, 11, 451.	5.8	37
61	Induction of hydrolytic enzyme activities in dormant seeds of <i>Dracocephalum kotschy</i> Boiss. causes improvement of germination and seedling vigor indices. <i>Acta Physiologiae Plantarum</i> , 2022, 44, .	1.8	12
62	Comparative Physiology of Indica and Japonica Rice under Salinity and Drought Stress: An Intrinsic Study on Osmotic Adjustment, Oxidative Stress, Antioxidant Defense and Methylglyoxal Detoxification. <i>Stresses</i> , 2022, 2, 156-178.	5.6	25
63	Mechanistic Insights of Plant Growth Promoting Bacteria Mediated Drought and Salt Stress Tolerance in Plants for Sustainable Agriculture. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3741.	4.4	205
64	Seed Germination Behavior, Growth, Physiology and Antioxidant Metabolism of Four Contrasting Cultivars under Combined Drought and Salinity in Soybean. <i>Antioxidants</i> , 2022, 11, 498.	5.8	70
65	Wheat variety carrying 2NvS chromosomal segment provides yield advantage through lowering terminal heat-induced oxidative stress. <i>Protoplasma</i> , 2022, , .	2.2	5
66	Arsenic-Induced Oxidative Stress and Antioxidant Defense in Plants. <i>Stresses</i> , 2022, 2, 179-209.	5.6	130
67	Insights into the Role of Iron Supplementation in Conferring Bicarbonate-Mediated Alkaline Stress Tolerance in Maize. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2719-2734.	2.8	7
68	A decade of temperature variation and agronomic traits of durum wheat (<i>Triticum durum L.</i>). <i>Arabian Journal of Geosciences</i> , 2022, 15, .	1.3	0
69	Genome Editing: A Promising Approach for Achieving Abiotic Stress Tolerance in Plants. <i>International Journal of Genomics</i> , 2022, 2022, 1-12.	2.4	35
70	Differential Impact of Nitric Oxide and Abscisic Acid on the Cellular and Physiological Functioning of sub1A QTL Bearing Rice Genotype under Salt Stress. <i>Plants</i> , 2022, 11, 1084.	3.7	12
71	Zinc Oxide Nanoparticles Improve <i>Pleioblastus pygmaeus</i> Plant Tolerance to Arsenic and Mercury by Stimulating Antioxidant Defense and Reducing the Metal Accumulation and Translocation. <i>Frontiers in Plant Science</i> , 2022, 13, .	4.1	49
72	Zinc Supplementation Enhances Glutathione-Mediated Antioxidant Defense and Glyoxalase Systems to Conferring Salt Tolerance in Soybean (<i>Glycine max L.</i>). <i>Agronomy</i> , 2022, 12, 1032.	3.0	10

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73	Heavy metal and metalloid toxicity in horticultural plants: Tolerance mechanism and remediation strategies. <i>Chemosphere</i> , 2022, 303, 135196.	8.2	177
74	Seed Priming with Nanoparticles: An Emerging Technique for Improving Plant Growth, Development, and Abiotic Stress Tolerance. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 4047-4062.	2.8	61
75	Nitrate–Nitrite–Nitric Oxide Pathway: A Mechanism of Hypoxia and Anoxia Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11522.	4.4	49
76	Insight into the Mechanism of Salt-Induced Oxidative Stress Tolerance in Soybean by the Application of <i>Bacillus subtilis</i> : Coordinated Actions of Osmoregulation, Ion Homeostasis, Antioxidant Defense, and Methylglyoxal Detoxification. <i>Antioxidants</i> , 2022, 11, 1856.	5.8	49
77	Application of Rhizobacteria, <i>Paraburkholderia fungorum</i> and <i>Delftia</i> sp. Confer Cadmium Tolerance in Rapeseed (<i>Brassica campestris</i>) through Modulating Antioxidant Defense and Glyoxalase Systems. <i>Plants</i> , 2022, 11, 2738.	3.7	14
78	Seed priming upregulates antioxidant defense and glyoxalase systems to conferring simulated drought tolerance in wheat seedlings. <i>Plant Stress</i> , 2022, 6, 100120.	6.4	26
79	Diverse Physiological Roles of Flavonoids in Plant Environmental Stress Responses and Tolerance. <i>Plants</i> , 2022, 11, 3158.	3.7	292
80	Consequences of Arsenic Contamination on Plants and Mycoremediation-Mediated Arsenic Stress Tolerance for Sustainable Agriculture. <i>Plants</i> , 2022, 11, 3220.	3.7	53
81	Crop microbiome: their role and advances in molecular and omic techniques for the sustenance of agriculture. <i>Planta</i> , 2022, 257, .	3.3	65
82	Coumarin improves tomato plant tolerance to salinity by enhancing antioxidant defence, glyoxalase system and ion homeostasis. <i>Plant Biology</i> , 2021, 23, 181-192.	4.2	39
83	Silver-nanoparticle and abscisic acid modulate sub1A quantitative trait loci functioning towards submergence tolerance in rice (<i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> , 2021, 181, 104276.	4.7	25
84	Osmoregulation and its actions during the drought stress in plants. <i>Physiologia Plantarum</i> , 2021, 172, 1321-1335.	3.6	658
85	Screening and Assessment of Selected Chilli (<i>Capsicum annum</i> L.) Genotypes for Drought Tolerance at Seedling Stage. <i>Phyton</i> , 2021, 90, 1425-1443.	0.9	7
86	Potassium-Induced Regulation of Cellular Antioxidant Defense and Improvement of Physiological Processes in Wheat under Water Deficit Condition. <i>Phyton</i> , 2021, 90, 353-372.	0.9	3
87	Omics: The way forward to enhance abiotic stress tolerance in <i>Brassica napus</i> L. <i>GM Crops and Food</i> , 2021, 12, 251-281.	4.2	84
88	Can smart nutrient applications optimize the plant's hidden half to improve drought resistance?. <i>Physiologia Plantarum</i> , 2021, 172, 1007-1015.	3.6	34
89	Sowing Dates and Cultivars Mediated Changes in Phenology and Yield Traits of Cotton-Sunflower Cropping System in the Arid Environment. <i>International Journal of Plant Production</i> , 2021, 15, 291-302.	2.0	19
90	Morphophysiological changes and reactive oxygen species metabolism in <i>Corchorus olitorius</i> L. under different abiotic stresses. <i>Open Agriculture</i> , 2021, 6, 549-562.	1.3	6

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91	Regulation of cuticular wax biosynthesis in plants under abiotic stress. <i>Plant Biotechnology Reports</i> , 2021, 15, 1-12.	1.3	46
92	Abiotic Stress and Reactive Oxygen Species: Generation, Signaling, and Defense Mechanisms. <i>Antioxidants</i> , 2021, 10, 277.	5.8	1,211
93	Fe toxicity in plants: Impacts and remediation. <i>Physiologia Plantarum</i> , 2021, , .	3.6	51
94	Exogenous melatonin enhances the reactive oxygen species metabolism, antioxidant defense-related gene expression, and photosynthetic capacity of <i>Phaseolus vulgaris</i> L. to confer salt stress tolerance. <i>Physiologia Plantarum</i> , 2021, 173, 1369-1381.	3.6	106
95	Modulation of the Antioxidant Defense System by Exogenous L-Glutamic Acid Application Enhances Salt Tolerance in Lentil (<i>Lens culinaris</i> Medik.). <i>Biomolecules</i> , 2021, 11, 587.	4.2	39
96	Zerovalent Iron Modulates the Influence of Arsenic-Contaminated Soil on Growth, Yield and Grain Quality of Rice. <i>Stresses</i> , 2021, 1, 90-104.	5.6	3
97	Arsenic and Human Health: Genotoxicity, Epigenomic Effects, and Cancer Signaling. <i>Biological Trace Element Research</i> , 2021, 200, 988-1001.	3.0	106
98	5-aminolevulinic acid-mediated plant adaptive responses to abiotic stress. <i>Plant Cell Reports</i> , 2021, 40, 1451-1469.	3.8	72
99	GABA shunt: a key-player in mitigation of ROS during stress. <i>Plant Growth Regulation</i> , 2021, 94, 131-149.	3.6	133
100	Protective role of tebuconazole and trifloxystrobin in wheat (<i>Triticum aestivum</i> L.) under cadmium stress via enhancement of antioxidant defense and glyoxalase systems. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1043-1057.	3.0	17
101	Nitric Oxide Regulates Plant Growth, Physiology, Antioxidant Defense, and Ion Homeostasis to Confer Salt Tolerance in the Mangrove Species, <i>Kandelia obovata</i> . <i>Antioxidants</i> , 2021, 10, 611.	5.8	67
102	<i>Bacillus thuringiensis</i> and Silicon Modulate Antioxidant Metabolism and Improve the Physiological Traits to Confer Salt Tolerance in Lettuce. <i>Plants</i> , 2021, 10, 1025.	3.7	39
103	Forage potential of <i>Salsola</i> species in arid-saline rangeland. <i>Turkish Journal of Botany</i> , 2021, 45, 203-215.	1.0	11
104	Salicylic Acid-Mediated Regulation of Morpho-Physiological and Yield Attributes of Wheat and Barley Plants in Deferring Salinity Stress. <i>Journal of Plant Growth Regulation</i> , 2021, 41, 1291-1303.	3.7	20
105	Chitosan and putrescine modulate reactive oxygen species metabolism and physiological responses during chili fruit ripening. <i>Plant Physiology and Biochemistry</i> , 2021, 163, 55-67.	5.5	33
106	Contradictory Results of Soil Greenhouse Gas Emissions as Affected by Biochar Application: Special Focus on Alkaline Soils. <i>International Journal of Environmental Research</i> , 2021, 15, 903-920.	3.4	19
107	Jute Responses and Tolerance to Abiotic Stress: Mechanisms and Approaches. <i>Plants</i> , 2021, 10, 1595.	3.7	16
108	Effect of tebuconazole and trifloxystrobin on <i>Ceratocystis fimbriata</i> to control black rot of sweet potato: processes of reactive oxygen species generation and antioxidant defense responses. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, .	3.8	20

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109	Regulation of Reactive Oxygen Species and Antioxidant Defense in Plants under Salinity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9326.	4.4	635
110	Hydrogen peroxide detoxifying enzymes show different activity patterns in host and non-host plant interactions with <i>Magnaporthe oryzae</i> Triticum pathotype. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 2127-2139.	3.0	18
111	Amelioration of sodium and arsenic toxicity in <i>Salvinia natans</i> L. with 2,4-D priming through physiological responses. <i>Environmental Science and Pollution Research</i> , 2021, 29, 9232-9247.	4.3	15
112	Biostimulants for the Regulation of Reactive Oxygen Species Metabolism in Plants under Abiotic Stress. <i>Cells</i> , 2021, 10, 2537.	4.7	203
113	Oxidative stress tolerance potential of milk thistle ecotypes after supplementation of different plant growth-promoting agents under salinity. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 53-65.	5.5	27
114	Nitric Oxide Prevents Fe Deficiency-Induced Photosynthetic Disturbance, and Oxidative Stress in Alfalfa by Regulating Fe Acquisition and Antioxidant Defense. <i>Antioxidants</i> , 2021, 10, 1556.	5.8	32
115	Insight into the thiourea-induced drought tolerance in two chickpea varieties: Regulation of osmoprotection, reactive oxygen species metabolism and glyoxalase system. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 449-458.	5.5	15
116	Abscisic acid priming regulates arsenite toxicity in two contrasting rice (<i>Oryza sativa</i> L.) genotypes through differential functioning of sub1A quantitative trait loci. <i>Environmental Pollution</i> , 2021, 287, 117586.	7.7	24
117	Molecular Biology of Cadmium Toxicity in <i>Saccharomyces cerevisiae</i> . <i>Biological Trace Element Research</i> , 2021, 199, 4832-4846.	3.0	35
118	Seed Priming with Phytohormones: An Effective Approach for the Mitigation of Abiotic Stress. <i>Plants</i> , 2021, 10, 37.	3.7	254
119	Exogenous Application of Methyl Jasmonate and Salicylic Acid Mitigates Drought-Induced Oxidative Damages in French Bean (<i>Phaseolus vulgaris</i> L.). <i>Plants</i> , 2021, 10, 2066.	3.7	57
120	Enhancing Salt Tolerance in Soybean by Exogenous Boron: Intrinsic Study of the Ascorbate-Glutathione and Glyoxalase Pathways. <i>Plants</i> , 2021, 10, 2085.	3.7	29
121	Supplemental Selenium and Boron Mitigate Salt-Induced Oxidative Damages in <i>Glycine max</i> L.. <i>Plants</i> , 2021, 10, 2224.	3.7	68
122	SEED GERMINATION BEHAVIOUR, SEEDLING GROWTH, MORPHO-PHYSIOLOGICAL AND YIELD ATTRIBUTES OF RICE GROWN IN CADMIUM-ADDED SOIL. <i>Contributii Botanice</i> , 2021, 56, 113-127.	0.4	1
123	An updated overview of the physiological and molecular responses of rice to anoxia. <i>Frontiers in Bioscience</i> , 2021, 26, 1240.	2.6	8
124	Biochar and Chitosan Regulate Antioxidant Defense and Methylglyoxal Detoxification Systems and Enhance Salt Tolerance in Jute (<i>Corchorus olitorius</i> L.). <i>Antioxidants</i> , 2021, 10, 2017.	5.8	48
125	Comparative morphological and transcriptomic responses of lowland and upland rice to root-zone hypoxia. <i>Environmental and Experimental Botany</i> , 2020, 169, 103916.	4.7	25
126	Insights into acetate-mediated copper homeostasis and antioxidant defense in lentil under excessive copper stress. <i>Environmental Pollution</i> , 2020, 258, 113544.	7.7	76

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127	Pretreatment with <i>Trichoderma harzianum</i> alleviates waterlogging-induced growth alterations in tomato seedlings by modulating physiological, biochemical, and molecular mechanisms. <i>Environmental and Experimental Botany</i> , 2020, 171, 103946.	4.7	83
128	Jasmonic acid: a key frontier in conferring abiotic stress tolerance in plants. <i>Plant Cell Reports</i> , 2020, 40, 1513-1541.	3.8	246
129	Phytoremediation of Cadmium: Physiological, Biochemical, and Molecular Mechanisms. <i>Biology</i> , 2020, 9, 177.	2.8	248
130	Role of Melatonin in Plant Tolerance to Soil Stressors: Salinity, pH and Heavy Metals. <i>Molecules</i> , 2020, 25, 5359.	4.2	123
131	Regulation of ROS Metabolism in Plants under Environmental Stress: A Review of Recent Experimental Evidence. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8695.	4.4	469
132	Glycine Betaine Accumulation, Significance and Interests for Heavy Metal Tolerance in Plants. <i>Plants</i> , 2020, 9, 896.	3.7	133
133	Reactive Oxygen Species and Antioxidant Defense in Plants under Abiotic Stress: Revisiting the Crucial Role of a Universal Defense Regulator. <i>Antioxidants</i> , 2020, 9, 681.	5.8	2,348
134	Exogenous kinetin and putrescine synergistically mitigate salt stress in <i>Luffa acutangula</i> by modulating physiology and antioxidant defense. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 2125-2137.	3.0	28
135	Melatonin-Induced Water Stress Tolerance in Plants: Recent Advances. <i>Antioxidants</i> , 2020, 9, 809.	5.8	148
136	Mechanism of Plant Growth Promotion and Disease Suppression by Chitosan Biopolymer. <i>Agriculture (Switzerland)</i> , 2020, 10, 624.	3.1	152
137	Oxidative Stress and Antioxidant Metabolism under Adverse Environmental Conditions: a Review. <i>Botanical Review</i> , The, 2020, 87, 421-466.	2.4	421
138	Selenium Toxicity in Plants and Environment: Biogeochemistry and Remediation Possibilities. <i>Plants</i> , 2020, 9, 1711.	3.7	101
139	Pretreatment of wheat (<i>Triticum aestivum</i> L.) seedlings with 2,4-D improves tolerance to salinity-induced oxidative stress and methylglyoxal toxicity by modulating ion homeostasis, antioxidant defenses, and glyoxalase systems. <i>Plant Physiology and Biochemistry</i> , 2020, 152, 221-231.	5.5	55
140	Tebuconazole and trifloxystrobin regulate the physiology, antioxidant defense and methylglyoxal detoxification systems in conferring salt stress tolerance in <i>Triticum aestivum</i> L. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1139-1154.	3.0	25
141	Phytostabilization of Pb-Zn Mine Tailings with <i>Amorpha fruticosa</i> Aided by Organic Amendments and Triple Superphosphate. <i>Molecules</i> , 2020, 25, 1617.	4.2	33
142	Saponin bioprimer positively stimulates antioxidants defense, osmolytes metabolism and ionic status to confer salt stress tolerance in soybean. <i>Acta Physiologiae Plantarum</i> , 2020, 42, .	1.8	49
143	Exogenous Melatonin Modulates the Physiological and Biochemical Mechanisms of Drought Tolerance in Tartary Buckwheat (<i>Fagopyrum tataricum</i> (L.) Gaertn). <i>Molecules</i> , 2020, 25, 2828.	4.2	96
144	Application of Floating Aquatic Plants in Phytoremediation of Heavy Metals Polluted Water: A Review. <i>Sustainability</i> , 2020, 12, 1927.	2.9	354

#	ARTICLE	IF	CITATIONS
145	Nitric oxide and hydrogen sulfide: two intimate collaborators regulating plant defense against abiotic stress. <i>Plant Growth Regulation</i> , 2020, 90, 409-424.	3.6	90
146	Selenium in plants: Boon or bane?. <i>Environmental and Experimental Botany</i> , 2020, 178, 104170.	4.7	251
147	Rice (<i>Oryza sativa</i> L.) Establishment Techniques and Their Implications for Soil Properties, Global Warming Potential Mitigation and Crop Yields. <i>Agronomy</i> , 2020, 10, 888.	3.0	45
148	Modulation of Cadmium Tolerance in Rice: Insight into Vanillic Acid-Induced Upregulation of Antioxidant Defense and Glyoxalase Systems. <i>Plants</i> , 2020, 9, 188.	3.7	45
149	Jute: A Potential Candidate for Phytoremediation of Metals—A Review. <i>Plants</i> , 2020, 9, 258.	3.7	142
150	Î²-Aminobutyric Acid Pretreatment Confers Salt Stress Tolerance in <i>Brassica napus</i> L. by Modulating Reactive Oxygen Species Metabolism and Methylglyoxal Detoxification. <i>Plants</i> , 2020, 9, 241.	3.7	22
151	Alleviation of Salinity Induced Oxidative Stress in <i>Chenopodium quinoa</i> by Fe Biofortification and Biochar—Endophyte Interaction. <i>Agronomy</i> , 2020, 10, 168.	3.0	35
152	Exogenous vanillic acid enhances salt tolerance of tomato: Insight into plant antioxidant defense and glyoxalase systems. <i>Plant Physiology and Biochemistry</i> , 2020, 150, 109-120.	5.5	149
153	Quercetin Mediated Salt Tolerance in Tomato through the Enhancement of Plant Antioxidant Defense and Glyoxalase Systems. <i>Plants</i> , 2019, 8, 247.	3.7	126
154	Polyamine Action under Metal/Metalloid Stress: Regulation of Biosynthesis, Metabolism, and Molecular Interactions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3215.	4.4	80
155	Oxidative Damage and Antioxidant Defense in <i>Sesamum indicum</i> after Different Waterlogging Durations. <i>Plants</i> , 2019, 8, 196.	3.7	127
156	Exogenous Tebuconazole and Trifloxystrobin Regulates Reactive Oxygen Species Metabolism Toward Mitigating Salt-Induced Damages in Cucumber Seedling. <i>Plants</i> , 2019, 8, 428.	3.7	40
157	Drought and salinity stresses in barley: Consequences and mitigation strategies. <i>Australian Journal of Crop Science</i> , 2019, , 810-820.	0.3	43
158	Comparative Physiological and Biochemical Changes in Tomato (<i>Solanum lycopersicum</i> L.) under Salt Stress and Recovery: Role of Antioxidant Defense and Glyoxalase Systems. <i>Antioxidants</i> , 2019, 8, 350.	5.8	73
159	Regulation of Ascorbate-Glutathione Pathway in Mitigating Oxidative Damage in Plants under Abiotic Stress. <i>Antioxidants</i> , 2019, 8, 384.	5.8	1,053
160	Unraveling Morphophysiological and Biochemical Responses of <i>Triticum aestivum</i> L. to Extreme pH: Coordinated Actions of Antioxidant Defense and Glyoxalase Systems. <i>Plants</i> , 2019, 8, 24.	3.7	27
161	Soil parameters, onion growth, physiology, biochemical and mineral nutrient composition in response to colored polythene film mulches. <i>Annals of Agricultural Sciences</i> , 2019, 64, 63-70.	2.9	29
162	Heat Shock-Induced Salt Stress Tolerance in Lentil (<i>Lens culinaris</i> Medik.). <i>Russian Journal of Plant Physiology</i> , 2019, 66, 450-460.	1.0	1

#	ARTICLE	IF	CITATIONS
163	Mitigation of PEG-induced drought stress in rapeseed (<i>Brassica rapa</i> L.) by exogenous application of osmolytes. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101197.	3.5	57
164	Explicating physiological and biochemical responses of wheat cultivars under acidity stress: insight into the antioxidant defense and glyoxalase systems. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 865-879.	3.0	21
165	High temperature and drought stress cause abscisic acid and reactive oxygen species accumulation and suppress seed germination growth in rice. <i>Protoplasma</i> , 2019, 256, 1217-1227.	2.2	199
166	Lithium in Environment and Potential Targets to Reduce Lithium Toxicity in Plants. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1574-1586.	3.7	57
167	Acetate-induced modulation of ascorbate: glutathione cycle and restriction of sodium accumulation in shoot confer salt tolerance in <i>Lens culinaris</i> Medik.. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 443-455.	3.0	41
168	Silicon-induced antioxidant defense and methylglyoxal detoxification works coordinately in alleviating nickel toxicity in <i>Oryza sativa</i> L.. <i>Ecotoxicology</i> , 2019, 28, 261-276.	2.6	108
169	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.	4.4	84
170	Trehalose Protects Maize Plants from Salt Stress and Phosphorus Deficiency. <i>Plants</i> , 2019, 8, 568.	3.7	63
171	Approaches in Enhancing Thermotolerance in Plants: An Updated Review. <i>Journal of Plant Growth Regulation</i> , 2019, 39, 456-480.	3.7	88
172	Regulation of Reactive Oxygen Species Metabolism and Glyoxalase Systems by Exogenous Osmolytes Confers Thermotolerance in <i>Brassica napus</i> . <i>Gesunde Pflanzen</i> , 2019, 72, 3-16.	2.7	23
173	Exogenous nitric oxide pretreatment protects <i>Brassica napus</i> L. seedlings from paraquat toxicity through the modulation of antioxidant defense and glyoxalase systems. <i>Plant Physiology and Biochemistry</i> , 2018, 126, 173-186.	5.5	85
174	Exogenous glutathione attenuates lead-induced oxidative stress in wheat by improving antioxidant defense and physiological mechanisms. <i>Journal of Plant Interactions</i> , 2018, 13, 203-212.	3.3	145
175	Selenium biofortification enhances the growth and alters the physiological response of lamb's lettuce grown under high temperature stress. <i>Plant Physiology and Biochemistry</i> , 2018, 127, 446-456.	5.5	82
176	Silicon-mediated regulation of antioxidant defense and glyoxalase systems confers drought stress tolerance in <i>Brassica napus</i> L.. <i>South African Journal of Botany</i> , 2018, 115, 50-57.	2.6	179
177	Nitric oxide-induced salt stress tolerance in plants: ROS metabolism, signaling, and molecular interactions. <i>Plant Biotechnology Reports</i> , 2018, 12, 77-92.	1.3	229
178	Insights into citric acid-induced cadmium tolerance and phytoremediation in <i>Brassica juncea</i> L.: Coordinated functions of metal chelation, antioxidant defense and glyoxalase systems. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 990-1001.	6.2	221
179	Chitosan biopolymer promotes yield and stimulates accumulation of antioxidants in strawberry fruit. <i>PLoS ONE</i> , 2018, 13, e0203769.	2.3	126
180	Exogenous nitric oxide donor and arginine provide protection against short-term drought stress in wheat seedlings. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 993-1004.	3.0	111

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181	Interaction of sulfur with phytohormones and signaling molecules in conferring abiotic stress tolerance to plants. <i>Plant Signaling and Behavior</i> , 2018, 13, e1477905.	3.3	101
182	Potassium: A Vital Regulator of Plant Responses and Tolerance to Abiotic Stresses. <i>Agronomy</i> , 2018, 8, 31.	3.0	689
183	Exogenous Silicon Protects Brassica napus Plants from Salinity-Induced Oxidative Stress Through the Modulation of AsA-GSH Pathway, Thiol-Dependent Antioxidant Enzymes and Glyoxalase Systems. <i>Gesunde Pflanzen</i> , 2018, 70, 185-194.	2.7	76
184	Role of selenium in mitigation of cadmium toxicity in pepper grown in hydroponic condition. <i>Journal of Plant Nutrition</i> , 2017, 40, 761-772.	1.9	21
185	Glutathione in plants: biosynthesis and physiological role in environmental stress tolerance. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 249-268.	3.0	745
186	̢-aminobutyric acid (GABA) confers chromium stress tolerance in Brassica juncea L. by modulating the antioxidant defense and glyoxalase systems. <i>Ecotoxicology</i> , 2017, 26, 675-690.	2.6	117
187	Maleic acid assisted improvement of metal chelation and antioxidant metabolism confers chromium tolerance in Brassica juncea L.. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 216-226.	6.2	92
188	Approaches in modulating proline metabolism in plants for salt and drought stress tolerance: Phytohormones, mineral nutrients and transgenics. <i>Plant Physiology and Biochemistry</i> , 2017, 115, 126-140.	5.5	433
189	Use of iso-osmotic solution to understand salt stress responses in lentil (<i>Lens culinaris</i> Medik.). <i>South African Journal of Botany</i> , 2017, 113, 346-354.	2.6	31
190	Nitric oxide pretreatment enhances antioxidant defense and glyoxalase systems to confer PEG-induced oxidative stress in rapeseed. <i>Journal of Plant Interactions</i> , 2017, 12, 323-331.	3.3	78
191	Quantification the impacts of climate change and crop management on phenology of maize-based cropping system in Punjab, Pakistan. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 42-55.	5.4	187
192	Hydrogen Peroxide Pretreatment Mitigates Cadmium-Induced Oxidative Stress in Brassica napus L.: An Intrinsic Study on Antioxidant Defense and Glyoxalase Systems. <i>Frontiers in Plant Science</i> , 2017, 8, .	4.1	143
193	Exogenous Silicon Attenuates Cadmium-Induced Oxidative Stress in Brassica napus L. by Modulating AsA-GSH Pathway and Glyoxalase System. <i>Frontiers in Plant Science</i> , 2017, 8, .	4.1	193
194	Quantification of Climate Warming and Crop Management Impacts on Cotton Phenology. <i>Plants</i> , 2017, 6, 7.	3.7	80
195	Attenuation of Drought Stress in Brassica Seedlings with Exogenous Application of Ca ²⁺ and H ₂ O ₂ . <i>Plants</i> , 2017, 6, 20.	3.7	78
196	Coordinated Actions of Glyoxalase and Antioxidant Defense Systems in Conferring Abiotic Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2017, 18, 200.	4.4	245
197	Relative tolerance of different species of Brassica to cadmium toxicity: Coordinated role of antioxidant defense and glyoxalase systems. <i>Plant OMICS</i> , 2017, 10, 107-117.	0.2	21
198	Calcium Supplementation Improves Na ⁺ /K ⁺ Ratio, Antioxidant Defense and Glyoxalase Systems in Salt-Stressed Rice Seedlings. <i>Frontiers in Plant Science</i> , 2016, 7, .	4.1	231

#	ARTICLE	IF	CITATIONS
199	Polyamines Confer Salt Tolerance in Mung Bean (<i>Vigna radiata</i> L.) by Reducing Sodium Uptake, Improving Nutrient Homeostasis, Antioxidant Defense, and Methylglyoxal Detoxification Systems. <i>Frontiers in Plant Science</i> , 2016, 7, .	4.1	185
200	Manganese-induced cadmium stress tolerance in rice seedlings: Coordinated action of antioxidant defense, glyoxalase system and nutrient homeostasis. <i>Comptes Rendus - Biologies</i> , 2016, 339, 462-474.	0.4	95
201	Physiological and biochemical mechanisms of spermine-induced cadmium stress tolerance in mung bean (<i>Vigna radiata</i> L.) seedlings. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21206-21218.	4.3	119
202	Manganese-induced salt stress tolerance in rice seedlings: regulation of ion homeostasis, antioxidant defense and glyoxalase systems. <i>Physiology and Molecular Biology of Plants</i> , 2016, 22, 291-306.	3.0	145
203	Catalase and ascorbate peroxidase—representative H ₂ O ₂ -detoxifying heme enzymes in plants. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19002-19029.	4.3	365
204	Polyamine and nitric oxide crosstalk: Antagonistic effects on cadmium toxicity in mung bean plants through upregulating the metal detoxification, antioxidant defense and methylglyoxal detoxification systems. <i>Ecotoxicology and Environmental Safety</i> , 2016, 126, 245-255.	6.2	347
205	Insights into spermine-induced combined high temperature and drought tolerance in mung bean: osmoregulation and roles of antioxidant and glyoxalase system. <i>Protoplasma</i> , 2016, 254, 445-460.	2.2	130
206	Polyamines-induced aluminum tolerance in mung bean: A study on antioxidant defense and methylglyoxal detoxification systems. <i>Ecotoxicology</i> , 2016, 26, 58-73.	2.6	99
207	Salinity and drought-induced methylglyoxal detoxification in <i>Brassica</i> spp. and purification of a high active glyoxalase I from tolerant genotype. <i>Plant OMICS</i> , 2016, 9, 352-359.	0.2	3
208	Evaluation of Integrated Nutrient Management for Mandarin Orange Production in Hot Humid Region of Bangladesh. <i>American Journal of Experimental Agriculture</i> , 2016, 10, 1-14.	0.1	1
209	Hydrogen sulfide modulates cadmium-induced physiological and biochemical responses to alleviate cadmium toxicity in rice. <i>Scientific Reports</i> , 2015, 5, .	3.4	285
210	Glutathione-induced drought stress tolerance in mung bean: coordinated roles of the antioxidant defence and methylglyoxal detoxification systems. <i>AoB PLANTS</i> , 2015, 7, plv069.	2.3	179
211	Exogenous Spermidine Alleviates Low Temperature Injury in Mung Bean (<i>Vigna radiata</i> L.) Seedlings by Modulating Ascorbate-Glutathione and Glyoxalase Pathway. <i>International Journal of Molecular Sciences</i> , 2015, 16, 30117-30132.	4.4	92
212	Jacks of metal/metalloid chelation trade in plants—An overview. <i>Frontiers in Plant Science</i> , 2015, 6, .	4.1	173
213	ATP-sulfurylase, sulfur-compounds, and plant stress tolerance. <i>Frontiers in Plant Science</i> , 2015, 6, .	4.1	176
214	Superoxide dismutase—mentor of abiotic stress tolerance in crop plants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10375-10394.	4.3	338
215	Exogenous glutathione confers high temperature stress tolerance in mung bean (<i>Vigna radiata</i> L.) by modulating antioxidant defense and methylglyoxal detoxification system. <i>Environmental and Experimental Botany</i> , 2015, 112, 44-54.	4.7	230
216	Exogenous calcium alleviates cadmium-induced oxidative stress in rice (<i>Oryza sativa</i> L.) seedlings by regulating the antioxidant defense and glyoxalase systems. <i>Revista Brasileira De Botanica</i> , 2015, 39, 393-407.	1.0	105

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217	Modulation of Antioxidant Machinery and the Methylglyoxal Detoxification System in Selenium-Supplemented Brassica napus Seedlings Confers Tolerance to High Temperature Stress. Biological Trace Element Research, 2014, 161, 297-307.	3.0	108
218	Potential Use of Halophytes to Remediate Saline Soils. BioMed Research International, 2014, 2014, 1-12.	6.3	326
219	Metal/metalloid stress tolerance in plants: role of ascorbate, its redox couple, and associated enzymes. Protoplasma, 2014, 251, 1265-1283.	2.2	139
220	Exogenous jasmonic acid modulates the physiology, antioxidant defense and glyoxalase systems in imparting drought stress tolerance in different Brassica species. Plant Biotechnology Reports, 2014, 8, 279-293.	1.3	154
221	Glutathione and glutathione reductase: A boon in disguise for plant abiotic stress defense operations. Plant Physiology and Biochemistry, 2013, 70, 204-212.	5.5	505
222	Physiological, Biochemical, and Molecular Mechanisms of Heat Stress Tolerance in Plants. International Journal of Molecular Sciences, 2013, 14, 9643-9684.	4.4	1,963
223	Exogenous sodium nitroprusside alleviates arsenic-induced oxidative stress in wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 584-596.	2.6	284
224	Importance of nitric oxide in cadmium stress tolerance in crop plants. Plant Physiology and Biochemistry, 2013, 63, 254-261.	5.5	257
225	Exogenous Selenium Pretreatment Protects Rapeseed Seedlings from Cadmium-Induced Oxidative Stress by Upregulating Antioxidant Defense and Methylglyoxal Detoxification Systems. Biological Trace Element Research, 2012, 149, 248-261.	3.0	244
226	Application of the CSM-CERES-Rice model for evaluation of plant density and irrigation management of transplanted rice for an irrigated semiarid environment. Irrigation Science, 2012, 31, 491-506.	3.1	61
227	Selenium-Induced Up-Regulation of the Antioxidant Defense and Methylglyoxal Detoxification System Reduces Salinity-Induced Damage in Rapeseed Seedlings. Biological Trace Element Research, 2011, 143, 1704-1721.	3.0	291
228	Selenium Pretreatment Upregulates the Antioxidant Defense and Methylglyoxal Detoxification System and Confers Enhanced Tolerance to Drought Stress in Rapeseed Seedlings. Biological Trace Element Research, 2011, 143, 1758-1776.	3.0	357
229	Coordinate induction of antioxidant defense and glyoxalase system by exogenous proline and glycinebetaine is correlated with salt tolerance in mung bean. Frontiers of Agriculture in China, 2011, 5, 1-14.	0.3	90
230	Nitric oxide modulates antioxidant defense and the methylglyoxal detoxification system and reduces salinity-induced damage of wheat seedlings. Plant Biotechnology Reports, 2011, 5, 353-365.	1.3	440
231	Application of the CSM-CERES-Rice model for evaluation of plant density and nitrogen management of fine transplanted rice for an irrigated semiarid environment. Precision Agriculture, 2011, 13, 200-218.	5.4	83
232	Up-regulation of antioxidant and glyoxalase systems by exogenous glycinebetaine and proline in mung bean confer tolerance to cadmium stress. Physiology and Molecular Biology of Plants, 2010, 16, 259-272.	3.0	381
233	Plant growth regulator interactions results enhancement of antioxidant enzymes in Catharanthus roseus. Journal of Plant Interactions, 2010, 5, 135-145.	3.3	19
234	Salinity effects on water potential and the normalized difference vegetation index in four species of a saline semi-arid ecosystem. PeerJ, 0, 9, e12297.	0.0	9

#	ARTICLE	IF	CITATIONS
235	Cytokinin and gibberellic acid-mediated waterlogging tolerance of mungbean (<i>Vigna radiata</i> L.)	0.78	14
236	Molecular Insights into NAC Transcription Factors: Key Regulators of Plant Response to Metal Stress. <i>Journal of Plant Growth Regulation</i> , 0, 44, 5647-5664.	3.7	3
237	Algae-based bioremediation of soil, water, and air: a solution to polluted environment. <i>Environmental Science and Pollution Research</i> , 0, 32, 21338-21357.	4.3	2
238	Effect of integrated seed priming on storage duration for enhanced germination traits in lentil (<i>Lens culinaris</i>)	3.7	0
239	Regulation of sodium accumulation, nutrient uptake, and antioxidant defense system by arginine to enhance salinity tolerance in lentil (<i>Lens culinaris</i>). <i>Plant Physiology and Biochemistry</i> , 0, 229, 110690.	5.5	0
240	Regulation of aluminum induced oxidative stress in Brassica via roles of sulfur metabolites and antioxidant responses mediated by a melatonin selenium nanocomposite. <i>BMC Plant Biology</i> , 0, 26, .	4.3	0
241	Imperative roles of auxin signaling in reprogramming of drought tolerance in plants. <i>Plant Cell Reports</i> , 0, 45, .	3.8	0
242	Foliar application of allantoin reinforces antioxidant defense and glyoxalase systems to confer tolerance against arsenic toxicity in rice (<i>Oryza sativa</i> L.). <i>BMC Plant Biology</i> , 0, , .	4.3	0