Reactive oxygen gene network of plants

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238	The AP2/ERF GmERF113 Positively Regulates the Drought Response by Activating GmPR10-1 in Soybean. **2022**, 23, 8159	2
237	Strategies to mitigate shifts in red oak (Quercus sect. Lobatae) distribution under a changing climate.	
236	Bisphenol-A incite dose-dependent dissimilitude in the growth pattern, physiology, oxidative status, and metabolite profile of Azolla filiculoides.	0
235	The ameliorative effect of hydrogen sulfide on cadmium toxicity and oxidative stress damage in garlic (Allium sativum) seedlings. **2022**, 150, 161-170	1
234	GhCYP710A1 Participates in Cotton Resistance to Verticillium Wilt by Regulating Stigmasterol Synthesis and Plasma Membrane Stability. **2022**, 23, 8437	1
233	Plant Nutrition: An Effective Way to Alleviate Abiotic Stress in Agricultural Crops. **2022**, 23, 8519	5
232	Receptor for Activated C Kinase1B (OsRACK1B) Impairs Fertility in Rice through NADPH-Dependent H2O2 Signaling Pathway. **2022**, 23, 8455	
231	Methylation of a MITE insertion in the MdRFNR1-1 promoter is positively associated with its allelic expression in apple in response to drought stress.	0
230	The Loss-Function of the Male Sterile Gene ZmMs33/ZmGPAT6 Results in Severely Oxidative Stress and Metabolic Disorder in Maize Anthers. **2022**, 11, 2318	0
229	Impacts of Intercropped Maize Ecological Shading on Tea Foliar and Functional Components, Insect Pest Diversity and Soil Microbes. **2022**, 11, 1883	0
228	Is High pH the Key Factor of Alkali Stress on Plant Growth and Physiology? A Case Study with Wheat (Triticum aestivum L.) Seedlings. **2022**, 12, 1820	1
227	SlMYC2 mediates stomatal movement in response to drought stress by repressing SlCHS1 expression. 13,	0
226	Purple stem Brassica napus exhibits higher photosynthetic efficiency, antioxidant potential and anthocyanin biosynthesis related genes expression against drought stress. 13,	1

225	Exogenous Melatonin Treatment Induces Disease Resistance against Botrytis cinerea on Post-Harvest Grapes by Activating Defence Responses. **2022**, 11, 2231	2
224	Actinomucor elegans and Podospora bulbillosa Positively Improves Endurance to Water Deficit and Salinity Stresses in Tomato Plants. **2022**, 8, 785	1
223	Role of Endophytes in Abiotic Stress Tolerance: With Special Emphasis on Serendipita indica. **2022**, 16,	2
222	Priming with the green leaf volatile (Z)-3-hexeny-1-yl acetate enhances drought resistance in wheat seedlings.	0
221	Inoculation and coinoculation combined with sulfur treatment boost the physiological quality of seeds and reduce oxidative stress in soybean seedlings.	
220	Ethylene and Nitric Oxide Under Salt Stress. **2022**, 312-344	
219	Overexpression of PgCBF3 and PgCBF7 Transcription Factors from Pomegranate Enhances Freezing Tolerance in Arabidopsis under the Promoter Activity Positively Regulated by PgICE1. **2022**, 23, 9439	0
218	The histidine phosphotransfer AHP4 plays a negative role in Arabidopsis plant response to drought.	0
217	Exogenous Salicylic Acid Optimizes Photosynthesis, Antioxidant Metabolism, and Gene Expression in Perennial Ryegrass Subjected to Salt Stress. **2022**, 12, 1920	0
216	Histological characterization of anther structure in Tetep-cytoplasmic male sterility and fine mapping of restorer-of-fertility gene in rice. **2022**, 17, e0268174	
215	Investigation of proteins□nteraction network and the expression pattern of genes involved in the ABA biogenesis and antioxidant system under methanol spray in drought-stressed rapeseed. **2022**, 12,	1
214	Crop Root Responses to Drought Stress: Molecular Mechanisms, Nutrient Regulations, and Interactions with Microorganisms in the Rhizosphere. **2022**, 23, 9310	0
213	Transcriptome-wide identification and transcriptional profiling reveal remarkable expression modulation of redox genes in Zingiber zerumbet against Pythium myriotylum. **2022**, 101885	
212	Role of ET and ROS in Salt Homeostasis and Salinity Stress Tolerance and Transgenic Approaches to Making Salt-Tolerant Crops. **2022**, 259-276	
211	Chilling-induced H2O2 signaling activates the antioxidant enzymes in alleviating the photooxidative damage caused by loss of function of 2-Cys peroxiredoxin in watermelon. **2022**, 6, 100108	2
210	Rhizoremediation of Cd-contaminated soil using Zea mays Sturt, with heavy metal resistant rhizobacteria that alleviate Cd-induced stress in plant. **2022**, 5, 375-387	0
209	Effects of light quality on growth, nutritional characteristics, and antioxidant properties of winter wheat seedlings (Triticum aestivum L.). 13,	1
208	Stress response to trace elements mixture of different embryo-larval stages of Paracentrotus lividus. **2022**, 183, 114092	0

207	The riddles of Trichoderma induced plant immunity. **2022**, 174, 105037	3
206	Molecular, biochemical, and comparative genome analysis of a rhizobacterial strain Klebsiella Sp. KBG6.2 imparting salt stress tolerance to Oryza sativa L.. **2022**, 203, 105066	0
205	Evaluating drought stress tolerance in different Camellia sinensis L. cultivars and effect of melatonin on strengthening antioxidant system. **2023**, 307, 111517	1
204	Transcription Factor Ptnac101 Negatively Regulates the Lignin Synthesis and Salt Tolerance in Populus Trichocarpa.	0
203	CDPKs Based Signalling Network: Protecting the Wheat from Heat. **2022**, 163-180	0
202	Effects of dyshomeostasis of metals/metalloids on the generation of reactive oxygen and nitrogen species in plant tissues. **2022**, 185-198	0
201	Metals and metalloids stress in plants: microorganisms and phytoremediation based mitigation strategies. **2022**, 445-484	0
200	Physiological Traits for Improving Heat Stress Tolerance in Plants. **2022**, 81-103	0
199	Roles of plant receptor-like kinases in response to abiotic stress. **2023**, 87-119	0
198	Medicinal Plant Growth in Heavy Metals Contaminated Soils: Responses to Metal Stress and Induced Risks to Human Health. **2022**, 10, 499	0
197	Maize Methionine Sulfoxide Reductase Genes ZmMSRA2 and ZmMSRA5.1 Involved in the Tolerance to Osmotic or Salinity Stress in Arabidopsis and Maize.	0
196	Functional Characterization and Phenotyping of Protoplasts on a Microfluidics-Based Flow Cytometry. **2022**, 12, 688	0
195	Ectopic expression of VyCIPK1 gene, isolated from wild grape Vitis yanshanesis J, X. Chen., confers the tolerance to salt in transgenic tobacco. **2022**, 17, 927-939	0
194	Dynamic Changes in the Antioxidative Defense System in the Tea Plant Reveal the Photoprotection-Mediated Temporal Accumulation of Flavonoids Under Full Sunlight Exposure.	0
193	Cytological alterations and oxidative stress induced by Cerium and Neodymium in lentil seedlings and onion bulbs. 10,	0
192	The Counteraction of Cultivated Cistus creticus L. (Rock Rose) Plants to the Strain Imposed by a Long-Term Exposure to Non-Ionizing Radiation and the Role of DDC. **2022**, 2, 248-265	0
191	Overexpression of PagERF072 from Poplar Improves Salt Tolerance. **2022**, 23, 10707	0
190	Evaluating the Role of Exogenously Applied Ascorbic Acid in Rescuing Soybean Plant Health in The Presence of Pathogen-Induced Oxidative Stress. **2022**, 11, 1117	0

189	A Hormetic Spatiotemporal Photosystem II Response Mechanism of Salvia to Excess Zinc Exposure. **2022**, 23, 11232	1
188	Exogenous Application of Melatonin to Green Horn Pepper Fruit Reduces Chilling Injury during Postharvest Cold Storage by Regulating Enzymatic Activities in the Antioxidant System. **2022**, 11, 2367	0
187	Plant hormones and neurotransmitter interactions mediate antioxidant defenses under induced oxidative stress in plants. 13,	8
186	PePYL4 enhances drought tolerance by modulating water use efficiency and ROS scavenging in Populus.	0
185	Comparative analysis of growth, physiological and transcriptomic response revealed mechanisms of waterlogging tolerance of hot pepper (Capsicum annuum var. conoides).	0
184	Proteomic analysis response of rice (Oryza sativa) leaves to ultraviolet-B radiation stress. 13,	0
183	The Putative Auto-Inhibitory Domain of Durum Wheat Catalase (TdCAT1) Positively Regulates Bacteria Cells in Response to Different Stress Conditions. **2022**, 11, 1820	0
182	Zinc Biofortification in Vitis vinifera: Implications for Quality and Wine Production. **2022**, 11, 2442	0
181	Changes in defense-related antioxidative enzymes amongst the resistant and susceptible soybean genotypes under whitefly, Bemisia tabaci (Hemiptera: Aleyrodidae) stress.	0
180	Crops□response to the emergent air pollutants. **2022**, 256,	0
179	Physiological, biochemical and phytohormone responses of Elymus nutans to □pinene-induced allelopathy. 10, e14100	1
178	Responses of˝the germination and phytochemical content of˝Pinus nigra Arn. subsp. pallasiana (Lamb.) Holmboe. (Anatolian black pine) seeds to˝salt stress. **2022**, 68, 365-375	0
177	Crude oil induces plant growth and antioxidant production in Leersia hexandra Sw. A hydrophytic grass that rhizodegrades oil in Tabasco, Mexico..	0
176	Pharmacotherapeutic potential of pomegranate in age-related neurological disorders. 14,	0
175	Combined Effect of Rice-Straw Biochar and Humic Acid on Growth, Antioxidative Capacity, and Ion Uptake in Maize (Zea mays L.) Grown Under Saline Soil Conditions.	0
174	Receptor-like cytoplasmic kinase STK confers salt tolerance in rice.	0
173	Root osmotic sensing from local perception to systemic responses. **2022**, 2,	1
172	Study the physical, chemical and biological changes in Um-Hawliyah drainage polluted with oil residues in Karbala Province-Iraq. **2022**, 1088, 012003	0

171	Cannabinoid accumulation in hemp depends on ROS generation and interlinked with morpho-physiological acclimation and plasticity under indoor LED environment. 13,	1
170	Adaptive mechanisms of tall wheatgrass to salinity and alkalinity stress.	0
169	Proteomic analysis reveals that the heat shock proteins 70-17 and BiP5 enhance cotton male fertility under high-temperature stress by reducing the accumulation of ROS in anthers. **2022**, 188, 115693	0
168	Transgenics and Crop Improvement. **2022**, 131-347	0
167	Symbiont specificity differs among green hydra strains. **2022**, 9,	1
166	Salicylic Acid-Mediated Physiological and Antioxidant Enzyme Activity Mechanisms in Plants Under Chilling Stress. **2022**, 183-194	0
165	Influence of Seed Soaking and Foliar Application Using Ozonated Water on Two Sweet Pepper Hybrids under Cold Stress. **2022**, 14, 13453	0
164	Impact of Silica Addition on Alleviating Cadmium Stress: Case Studies of Three Afforestation Tree Species Seedlings in Southern China. **2022**, 13, 1641	0
163	Rhizosphere inoculation of Nicotiana benthamiana with Trichoderma harzianum TRA1-16 in controlled environment agriculture: Effects of varying light intensities on the mutualism-parasitism interaction. 13,	0
162	Modulation of Photosynthesis and ROS Scavenging Response by Beneficial Bacteria in Olea europaea Plantlets under Salt Stress Conditions. **2022**, 11, 2748	0
161	Loss-of-function in GIGANTEA confers resistance to PPO-inhibiting herbicide tiafenacil through transcriptional activation of antioxidant genes in Arabidopsis. **2022**, 65,	0
160	Mitochondrial HSC70-1 Regulates Polar Auxin Transport through ROS Homeostasis in Arabidopsis Roots. **2022**, 11, 2035	0
159	R2R3 MYB Transcription Factor, AhMYB94 Plays a Crucial Role in Stress adaptation of a Salt Susceptible Groundnut Cultivar-K6.	0
158	Heat shock transcriptional factors (HSFs) are expressed in response to hydrogen peroxide production in grapevines inoculated with Colletotrichum Species. **2022**, 63, 735-745	0
157	Enhancement of the Expression of ZmBZR1 and ZmBES1 Regulatory Genes and Antioxidant Defense Genes Triggers Water Stress Mitigation in Maize (Zea mays L.) Plants Treated with 24-Epibrassinolide in Combination with Spermine. **2022**, 12, 2517	0
156	Bioactivity and Therapeutic Potential of Kaempferol and Quercetin: New Insights for Plant and Human Health. **2022**, 11, 2623	3
155	Rice iron storage protein ferritin 2 (OsFER2) positively regulates ferroptotic cell death and defense responses against Magnaporthe oryzae. 13,	1
154	Roles of Hydrogen Gas in Plants under Abiotic Stress: Current Knowledge and Perspectives. **2022**, 11, 1999	0

153	Molecular Regulation and Evolution of Redox Homeostasis in Photosynthetic Machinery. **2022**, 11, 2085	0
152	Comparative Analysis of Antioxidant Accumulation under Cold Acclimation, Deacclimation and Reacclimation in Winter Wheat. **2022**, 11, 2818	0
151	The cytosolic thiol peroxidase PRXIIB is an intracellular sensor for H2O2 that regulates plant immunity through a redox relay. **2022**, 8, 1160-1175	1
150	The Arabidopsis Receptor-like Kinase CAP1 Promotes Shoot Growth under Ammonium Stress. **2022**, 11, 1452	1
149	The nematode effector Mj-NEROSs interacts with ISP influencing plastid ROS production to suppress plant immunity.	0
148	Auxin crosstalk with reactive oxygen and nitrogen species in plant development and abiotic stress.	0
147	Expression of the Sweet Potato MYB Transcription Factor IbMYB48 Confers Salt and Drought Tolerance in Arabidopsis. **2022**, 13, 1883	1
146	Overexpression of the SiLEA5 Gene in Saussurea involucrata Increases the Low-Temperature Tolerance of Transgenic Tomatoes. **2022**, 8, 1023	0
145	ROS Regulate NCF2, Key Metabolic Enzymes and MDA Levels to Affect the Growth of Fusarium solani. **2022**, 12, 1840	1
144	Nucleoredoxin 1 positively regulates heat stress tolerance by enhancing the transcription of antioxidants and heat-shock proteins in tomato. **2022**, 635, 12-18	1
143	ROS in seed germination. **2022**,	0
142	Multiple roles of ROS in flowering plant reproduction. **2022**,	0
141	Plant response to heavy metal stress: an insight into the molecular mechanism of transcriptional regulation. **2023**, 337-367	0
140	Response and acclimatization of a CAM orchid, Dendrobium Sonia Earsakul to drought, heat, and combined drought and heat stress. **2023**, 309, 111661	0
139	Assessing the Cooling and Air Pollution Tolerance among Urban Tree Species in a Tropical Climate. **2022**, 11, 3074	0
138	Identification and Expression Profiling of Two Saudi Arabia Catalase Genes from Wheat and Barley in Response to Abiotic and Hormonal Stresses. **2022**, 11, 2208	0
137	SlRIP1b is a global organellar RNA editing factor, required for normal fruit development in tomato plants.	0
136	Study on the Resistance of Cabernet Sauvignon Grapevine with Different Rootstocks to Colomerus vitis. **2022**, 14, 15193	0

135	Molecular mechanism of Cu metal and drought stress resistance triggered by Porostereum spadiceum AGH786 in Solanum lycopersicum L.. 13,	1
134	Flexible response and rapid recovery strategies of the plateau forage Poa crymophila to cold and drought. 13,	0
133	Dynamic and fluctuating generation of hydrogen peroxide via photorespiratory metabolic channeling in plants.	0
132	Drought Stress Alters Gas Exchange, Chlorophyll Fluorescence, and Antioxidant Enzyme Activities in Glycyrrhiza uralensis in the Hexi Corridor, China. **2022**, 69,	0
131	Impact of potassium starvation on the uptake, transportation, photosynthesis, and abiotic stress tolerance.	0
130	Insights into Cadmium-Induced Morphophysiological Disorders in Althea rosea Cavan and Its Phytoremediation through the Exogeneous Citric Acid. **2022**, 12, 2776	0
129	Use of Biostimulants to Improve Salinity Tolerance in Cereals. **2022**, 471-517	1
128	Dimethylthiourea Alleviates Drought Stress by Suppressing Hydrogen Peroxide-Dependent Abscisic Acid-Mediated Oxidative Responses in an Antagonistic Interaction with Salicylic Acid in Brassica napus Leaves. **2022**, 11, 2283	0
127	Multifaceted effects of difenoconazole in tomato fruit ripening: Physiology, flavour and nutritional quality. **2022**,	0
126	SWATH-MS based quantitative proteomics analysis reveals novel proteins involved in PAMP triggered immunity against potato late blight pathogen Phytophthora infestans. 13,	0
125	Characterization of polyphenols by RP-HPLC in Basilicum polystachyon (L.) Moench with their antioxidant and antimicrobial properties. **2022**, 151, 926-940	0
124	Transcription factor PtNAC101 negatively regulates the lignin synthesis and salt tolerance in Populus trichocarpa. **2023**, 205, 105149	0
123	Effects of Rice Blast Fungus (<i>Pyricularia grisea</i>) on Phenolics, Flavonoids, Antioxidant Capacity in Rice (<i>Oryza sativa</i> L.). 61, 1-7	0
122	Environmental factors and plant□microbes (endophytes) interaction: an overview and future outlook. **2023**, 245-257	0
121	Biochemical and Physiological Responses of Arabidopsis thaliana Leaves to Moderate Mechanical Stimulation. **2023**, 92, 901-920	0
120	Physiological and transcriptomic analyses of roots from Panax ginseng C. A. Meyer under drought stress. **2023**, 191, 115858	0
119	Genome-wide, evolutionary, and functional analyses of ascorbate peroxidase (APX) family in Poaceae species. **2023**, 46,	0
118	Sorus developmental biology of hybrid cultivar in Saccharina japonica: Environmental and endogenous regulation. **2023**, 565, 739165	0

117	Grape BES1 transcription factor gene VvBES1-3 confers salt tolerance in transgenic Arabidopsis. **2023**, 854, 147059	0
116	Selenium conditioning decreases antioxidant enzyme activity and delays germination potency of Macrotyloma uniflorum and Vigna radiate. **2023**, 35, 102501	0
115	Cereals and Phytohormones Under Temperature Stress. **2022**, 351-367	0
114	Protein l-isoAspartyl Methyltransferase (PIMT) and antioxidants in plants. **2022**,	0
113	Using DCP-Rho1 as a fluorescent probe to visualize sulfenic acid-containing proteins in living plant cells. **2022**,	0
112	Thioredoxin h2 inhibits MPKK5-MPK3 cascade to regulate the CBF-COR signaling pathway in Citrullus lanatus suffering chilling stress.	1
111	Early Drought Stress Warning in Plants: Color Pictures of Photosystem II Photochemistry. **2022**, 10, 179	4
110	Magnesium Oxide Nanoparticles (MgO-NPs) Alleviate Arsenic Toxicity in Soybean by Modulating Photosynthetic Function, Nutrient Uptake and Antioxidant Potential. **2022**, 12, 2030	2
109	Metal- and Organ-Specific Response to Heavy Metal-Induced Stress Mediated by Antioxidant Enzymes Activities, Polyamines, and Plant Hormones Levels in Populus deltoides. **2022**, 11, 3246	2
108	Transcriptome analysis reveals key drought-stress-responsive genes in soybean. 13,	0
107	Physiological and transcriptomic analysis of antioxidant mechanisms in sweet sorghum seedling leaves in response to single and combined drought and salinity stress. **2022**, 17, 1006-1016	0
106	Changes in polyphenolic composition, physiological characteristics, and yield-related traits of Moshgak (Ducrosia anethifolia Boiss.) populations in response to drought stress.	1
105	Stage-specific changes in hydrogen peroxide, membrane damage and antioxidant defense of a xerohalophyte fodder grass Panicum antidotale under increasing salinity. **2022**, 151, 1025-1034	0
104	Cell Membrane Features as Potential Breeding Targets to Improve Cold Germination Ability of Seeds. **2022**, 11, 3400	0
103	Physiological and Biochemical Changes in Vegetable and Field Crops under Drought, Salinity and Weeds Stresses: Control Strategies and Management. **2022**, 12, 2084	1
102	Rich in Phenolics Strong Antioxidant Fruit? Comparative Study of 25 Strawberry Cultivars. **2022**, 11, 3566	0
101	Are Foliar Nutrition Status and Indicators of Oxidative Stress Associated with Tree Defoliation of Four Mediterranean Forest Species?. **2022**, 11, 3484	1
100	Antioxidant processes involving epicatechin decreased symptoms of pine wilt disease. 13,	0

99	Cultivation of Tomato under Dehydration and Salinity Stress: Unravelling the Physiology and Alternative Tolerance Options.	0
98	ThASR3 confers salt and osmotic stress tolerances in transgenic Tamarix and Arabidopsis. **2022**, 22,	0
97	Antioxidants in Shell and Nut Yield Components after Ca, Mg and K Preharvest Spraying on Hazelnut Plantations in Southern Chile. **2022**, 11, 3536	1
96	Genome-Wide Analysis of Wheat GATA Transcription Factor Genes Reveals Their Molecular Evolutionary Characteristics and Involvement in Salt and Drought Tolerance. **2023**, 24, 27	1
95	Heterologous Expression of Human Metallothionein Gene HsMT1L Can Enhance the Tolerance of Tobacco (Nicotiana nudicaulis Watson) to Zinc and Cadmium. **2022**, 13, 2413	1
94	Determination of the Effect of Salt Stress on Germination, Biochemical and Antioxidant Defense Systems in Linas Safflower Seeds. 682-691	0
93	Crosstalk between MAPKs and GSH under stress: A critical review. **2022**, 47,	0
92	Carotenoid biosynthesis is associated with low-temperature adaptation in Rhodosporidium kratochvilovae. **2022**, 22,	1
91	Physiological and biochemical contrasting responses associated with growth performances in sunflower seedlings after a cold stress.	0
90	Effects of light intensity and quality on needle physiological and biochemical traits of eighteen-year-old Pinus koraiensis trees adapted long-period to real field environment.	0
89	Resistant cassava cultivars inhibit the papaya mealybug Paracoccus marginatus population based on their interaction: from physiological and biochemical perspectives. **2023**, 96, 555-572	0
88	Enhanced photocatalytic inactivation of Cylindrospermopsis raciborskii by modified TiO2/Ag3PO4: Efficiency and mechanism. **2023**, 141464	0
87	The Role of Nanoparticles in Response of Plants to Abiotic Stress at Physiological, Biochemical, and Molecular Levels. **2023**, 12, 292	2
86	Genome-wide characterization of Alfin-like (AL) genes in apple and functional identification of MdAL4 in response to drought stress.	0
85	Comparative Analysis of the Response to Polyethylene Glycol-Simulated Drought Stress in Roots from Seedlings of 'Modern' and 'Ancient' Wheat Varieties. **2023**, 12, 428	0
84	Light (High Light/UV Radiation) Modulates Adaptation Mechanisms and Secondary Metabolite Production in Medicinal Plants. **2023**, 363-390	0
83	The Role of Plant Hormones in Fruit Response to Photooxidative and Heat Stress. **2023**, 125-144	0
82	Fine Tuning of ROS, Redox and Energy Regulatory Systems Associated with the Functions of Chloroplasts and Mitochondria in Plants under Heat Stress. **2023**, 24, 1356	2

81	The intertwining of Zn-finger motifs and abiotic stress tolerance in plants: Current status and future prospects. 13,	0
80	Induced defense responses in cultivated and wild chickpea genotypes against Helicoverpa armigera infestation.	0
79	MAP30 and luffin-Novel ribosome-inactivating proteins induce plant systemic resistance against plant viruses. **2023**, 105342	0
78	Exogenous aminobutyric acid (GABA) mitigated salinity-induced impairments in mungbean plants by regulating their nitrogen metabolism and antioxidant potential. 13,	0
77	Molecular characterization of tomato (Solanum lycopersicum L.) landraces under drought stress.	0
76	Effects of light intensity and quality on needle physiological and biochemical traits of eighteen-year-old Pinus koraiensis trees adapted long-period to real field environment.	0
75	Physiological and phosphoproteomic analyses revealed that the NtPOD63 L knockout mutant enhances drought tolerance in tobacco. **2023**, 193, 116218	0
74	Alleviation of Cadmium Toxicity by Nano-silicon Dioxide in Momordica charantia L. Seedlings.	0
73	Putative priming effect of Seguieria langsdorffii Moq. leaf extract in Cucurbita pepo L. infected by zucchini yellow mosaic virus.	0
72	A sorghum ascorbate peroxidase with four binding sites has activity against ascorbate and phenylpropanoids.	0
71	Enzymatic response of mungbean (Vigna radiata) genotypes against Cercospora leaf spot disease. **2017**, 87,	0
70	IPA1 improves drought tolerance by activating SNAC1 in rice. **2023**, 23,	0
69	A prophage-encoded effector from Candidatus Liberibacter asiaticus targets ASCORBATE PEROXIDASE6 in citrus to facilitate bacterial infection.	0
68	NO and Heme Proteins: Cross-Talk between Heme and Cysteine Residues. **2023**, 12, 321	0
67	Ethylene and cellular redox management in plants. **2023**, 141-170	0
66	Rhizobacterial-mediated tolerance to plants upon abiotic stresses. **2023**, 305-323	0
65	The role of antioxidant enzymes in diatoms and their therapeutic role. **2023**, 89-118	0
64	Biostimulants Promote the Sedimentation of Salts to Restore Tomato Plant Growth Under Salt Stress.	0

63	Proline and soluble carbohydrates biosynthesis and their roles in plants under abiotic stresses. **2023**, 169-185	0
62	Oxidative stress in plants and the biochemical response mechanisms. **2023**, 455-468	0
61	Gum Arabic influences the activity of antioxidant enzymes during androgenesis in barley anthers.	0
60	Overexpression of an Antioxidant Enzyme APX1 in cpr5 Mutant Restores its Pleiotropic Growth Phenotype. **2023**, 12, 301	0
59	Ethionine-mitigation of drought stress associated with changes in root viability, antioxidant defense, osmotic adjustment, and endogenous hormones in tall fescue.	0
58	Plants response to SO2 or acid deposition. **2023**, 99-108	0
57	Bradyrhizobium japonicum IRAT FA3 promotes salt tolerance through jasmonic acid priming in Arabidopsis thaliana. **2023**, 23,	0
56	The Roles of CDPKs as a Convergence Point of Different Signaling Pathways in Maize Adaptation to Abiotic Stress. **2023**, 24, 2325	0
55	The Key Roles of ROS and RNS as a Signaling Molecule in Plant□Microbe Interactions. **2023**, 12, 268	8
54	Comparison between of Photosynthetic Pigments, Osmotic Regulators and Antioxidant Enzymes of Nimroz and Nomar Barley Cultivars of Sistan Region under Drought Stress. **2021**, 13, 51-62	0
53	Functional Characterization of Lobularia maritima´LmTrxh2 Gene Involved in Cold Tolerance in Tobacco through Alleviation of ROS Damage to the Plasma Membrane. **2023**, 24, 3030	0
52	Potassium-Nitrogen Ratio Improved Cotton Yield by Regulating Antioxidant Metabolism Under a New Cropping Model for the Yangtze River Valley of China.	0
51	Allelic variation of TaWD40-4B.1 contributes to drought tolerance by modulating catalase activity in wheat. **2023**, 14,	1
50	Biocontrol features of Pseudomonas syringae B-1 against Botryosphaeria dothidea in apple fruit. 14,	0
49	Conserved hierarchical gene regulatory networks for drought and cold stress response in Myrica rubra. 14,	0
48	Hydrogen Peroxide Mitigates Cu Stress in Wheat. **2023**, 13, 862	0
47	Chemical decontamination of foods using non-thermal plasma-activated water. **2023**, 874, 162235	0
46	Effects of environmental stress factors on the actin cytoskeleton of fungi and plants: Ionizing radiation and ROS.	0

45	Iron oxide (Fe2O3) nanoparticles alleviate PEG-simulated drought stress in grape (Vitis vinifera L.) plants by regulating leaf antioxidants. **2023**, 312, 111847	0
44	Physiological, proteomic and metabolomic analysis provide insights into Ca2+ tolerance in Drynaria roosii leaves. **2023**, 7, 100132	0
43	Antioxidant enzymes activity and gene expression in wheat-stripe rust interaction at seedling stage. **2023**, 124, 101960	0
42	The combination of red and blue light increases the biomass and steroidal saponin contents of Paris polyphylla var. yunnanensis. **2023**, 194, 116311	0
41	The sporogenesis is partly regulated by oxidative signal in Ulva prolifera: A physiological and transcriptomic perspective. **2023**, 70, 102991	0
40	PtrbZIP3 transcription factor regulates drought tolerance of Populus trichocarpa. **2023**, 208, 105231	0
39	Transitional traits determine the acclimation characteristics of the coccolithophore Chrysotila dentata to ocean warming and acidification.	0
38	Salicylic acid and jasmonic acid induced enhanced production of total phenolics, flavonoids, and antioxidant metabolism in callus cultures of Givotia moluccana (L.) Sreem.	0
37	Stromal Ascorbate Peroxidase (OsAPX7) Modulates Drought Stress Tolerance in Rice (Oryza sativa). **2023**, 12, 387	0
36	FLS2-RBOHD module regulates changes in the metabolome of Arabidopsis in response to abiotic stress. **2023**, 4, 36-54	0
35	Grapevine bZIP transcription factor bZIP45 regulates VvANN1 and confers drought tolerance in Arabidopsis. 14,	0
34	Physiological and biochemical changes in Moroccan barley (Hordeum vulgare L.) cultivars submitted to drought stress. **2023**, 9, e13643	0
33	Investigating the Mechanisms Underlying the Low Irradiance-Tolerance of the Economically Important Seaweed Species Pyropia haitanensis. **2023**, 13, 481	0
32	Antioxidant enzymes that target hydrogen peroxide are conserved across the animal kingdom, from sponges to mammals. **2023**, 13,	0
31	Understanding the Proteomes of Plant Development and Stress Responses in Brassica Crops. **2023**, 22, 660-680	0
30	Differences in phytohormone and flavonoid metabolism explain the sex differences in responses of Salix rehderiana to drought and nitrogen deposition.	0
29	Salicylic acid had the potential to enhance tolerance in horticultural crops against abiotic stress. 14,	0
28	Alpha-Tocopherol from People to Plants Is an Essential Cog in the Metabolic Machinery. **2023**, 38, 775-791	0

27	Orthologs of Human-Disease-Associated Genes in Plants Are Involved in Regulating Leaf Senescence. **2023**, 13, 559	0
26	TaMADS29 interacts with TaNF-YB1 to synergistically regulate early grain development in bread wheat.	0
25	Characterization of hexokinase gene family members in Glycine max and functional analysis of GmHXK2 under salt stress. 14,	0
24	Sugarcane Response and Its Related Gene Expression under Water Stress Condition.	0
23	Pleiotropic Regulatory Locus1 maintains actin microfilament integrity and concomitant cellular homeostasis facilitating root development in Arabidopsis.	0
22	Metabolomic Analysis of Key Metabolites and Their Pathways Revealed the Response of Alfalfa (Medicago sativa L.) Root Exudates to rac-GR24 under Drought Stress. **2023**, 12, 1163	0
21	The CCCH-Type Zinc-Finger Protein GhC3H20 Enhances Salt Stress Tolerance in Arabidopsis thaliana and Cotton through ABA Signal Transduction Pathway. **2023**, 24, 5057	0
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