Citation Report

List of articles citing

Reactive oxygen species: metabolism, oxidative stress, and signal transduction

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Annual Review of Plant Biology, 2004, 55, 373-99.

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481	Response of submerged macrophytes and leaf biofilms to different concentrations of oxytetracycline and sulfadiazine. **2022**, 136098	

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476	Salt-Induced Autophagy and Programmed Cell Death in Wheat. **2022**, 12, 1909	0
475	Hydrogen Sulfide: A new warrior in assisting seed germination during adverse environmental conditions.	2
474	Effect of NaCl stress on tillering of rice (Oryza sativa L.) and mitigation regulation of prohexadione-calcium.	
473	The phytochemical and pharmacological profile of taraxasterol. 13,	0
472	Nanosensor Applications in Plant Science. **2022**, 12, 675	0
471	An integral perspective of canonical cigarette and e-cigarette-related cardiovascular toxicity based on the adverse outcome pathway framework. **2022**,	
470	Transcriptional repression of MaRBOHs by MaHsf26 is associated with heat shock-alleviated chilling injury in banana fruit. **2022**, 193, 112056	
469	Green synthesis of zinc oxide nanoparticles using Vernonia cinerea leaf extract and evaluation as nano-nutrient on the growth and development of tomato seedling. **2022**, 2, 100011	1
468	Root hypoxia causes oxidative damage on photosynthetic apparatus and interacts with light stress to trigger abscission of lower position leaves in Capsicum. **2022**, 305, 111337	0
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466	Ammonium fertilization increases the susceptibility to fungal leaf and root pathogens in winter wheat. 13,	2
465	Comparison of Physiological and Biochemical Responses of Two Poplar Species under Drought Stress. **2022**, 10, 145-162	0
464	Multiwalled Carbon Nanotubes Alter the PSII Photochemistry, Photosystem-Related Gene Expressions, and Chloroplastic Antioxidant System in Zea mays under Copper Toxicity. **2022**, 70, 11154-11168	0
463	Single-cell RNA-seq uncovered hemocyte functional subtypes and their differentiational characteristics and connectivity with morphological subpopulations in Litopenaeus vannamei. 13,	0

462	Enhanced Removal of Free Radicals by Aqueous Hydrogen Nanobubbles and Their Role in Oxidative Stress.	0
461	Promoting lutein production from the novel alga Acutodesmus sp. by melatonin induction. **2022**, 362, 127818	0
460	Difenoconazole disrupts the blood-brain barrier and results in neurotoxicity in carp by inhibiting the Nrf2 pathway mediated ROS accumulation. **2022**, 244, 114081	0
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457	Individual and combined toxicity of microplastics and diuron differs between freshwater and marine diatoms. **2022**, 853, 158334	0
456	The stimulatory effect and mechanism of low-dose lanthanum on soybean leaf cells. **2023**, 441, 129924	0
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443	Photodynamic Therapy Enhances the Cytotoxicity ´Of ´Temozolomide ´Against Glioblastoma Via Reprogramming Anaerobic Glycolysis.	0
442	Assessing Obt Formation and Enrichment: ROS Signaling is Involved in the Radiation Hormesis Induced by Low- Dose Tritium Exposure in Algae.	0
441	Determination of some physiological parameters in spinach (Spinacia oleracea L.) cultivated in Kosovo. **2022**, 73, 67-74	0
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439	Roles of plant receptor-like kinases in response to abiotic stress. **2023**, 87-119	0
438	Copper Toxicity in Plants: Nutritional, Physiological, and Biochemical Aspects.	1
437	Hypothermia-Mediated Apoptosis and Inflammation Contribute to Antioxidant and Immune Adaption in Freshwater Drum, Aplodinotus grunniens. **2022**, 11, 1657	0
436	Exploring the use of chamomile (Matricaria chamomilla L.) bioactive compounds to control flixweed (Descurainia sophia L.) in bread wheat (Triticum aestivum L.): Implication for reducing chemical herbicide pollution. **2022**, 103421	1
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433	Effects of different aqueous DO, redox potential and salinity on cyanobacterial colonies from Lake Taihu, China.	0
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430	Regulation of Drought and Salt Tolerance by OsSKL2 and OsASR1 in Rice. **2022**, 15,	1
429	Strigolactones Stimulate High Light Stress Adaptation by Modulating Photosynthesis Rate in Arabidopsis.	0
428	Ultrathin Hafnium Disulfide Atomic Crystals with ROS-Scavenging and Colon-Targeting Capabilities for Inflammatory Bowel Disease Treatment. **2022**, 16, 15026-15041	2
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425	A Hormetic Spatiotemporal Photosystem II Response Mechanism of Salvia to Excess Zinc Exposure. **2022**, 23, 11232	1
424	Single and Associated Effects of Drought and Heat Stresses on Physiological, Biochemical and Antioxidant Machinery of Four Eggplant Cultivars. **2022**, 11, 2404	1
423	Fine Mapping of CscpFtsY, a Gene Conferring the Yellow Leaf Phenotype in Cucumber (Cucumis sativus L.).	0
422	Quantitative Proteomics and Functional Characterization Reveal That Glutathione Peroxidases Act as Important Antioxidant Regulators in Mulberry Response to Drought Stress. **2022**, 11, 2350	0
421	FTX271: A potential gene resource for plant antiviral transgenic breeding. 13,	0
420	Abscisic acid-polyacrylamide (ABA-PAM) treatment enhances forage grass growth and soil microbial diversity under drought stress. 13,	0
419	PePYL4 enhances drought tolerance by modulating water use efficiency and ROS scavenging in Populus.	0
418	MicroRNA398: A Master Regulator of Plant Development and Stress Responses. **2022**, 23, 10803	0
417	Arbuscular mycorrhizal fungi enhanced rice proline metabolism under low temperature with nitric oxide involvement. 13,	0
416	Exogenously applied melatonin alleviates the damage in cucumber plants caused by Aphis goosypii through altering the insect behavior and inducing host plant resistance.	0
415	Drip Irrigation Depth Alters Root Morphology and Architecture and Cold Resistance of Alfalfa. **2022**, 12, 2192	1
414	Cross-protection interactions in insect pests: Implications for pest management in a changing climate.	0
413	Reactive Oxygen Species, Oxidative Damage and Their Production, Detection in Common Bean (Phaseolus vulgaris L.) under Water Stress Conditions.	0
412	Effect of Ozone Treatment on the Contents of Selected Bioactive Phytochemicals in Leaves of Alligator Plant Kalanchoe daigremontiana. **2022**, 12, 8934	0
411	Metal Complexation of Bis-Chalcone Derivatives Enhances Their Efficacy against Fusarium Wilt Disease, Caused by Fusarium equiseti, via Induction of Antioxidant Defense Machinery. **2022**, 11, 2418	1
410	Changes in defense-related antioxidative enzymes amongst the resistant and susceptible soybean genotypes under whitefly, Bemisia tabaci (Hemiptera: Aleyrodidae) stress.	0
409	Early infection response of fungal biotroph Ustilago maydis in maize. 13,	1

408	Growth, ROS accumulation site, and photosynthesis inhibition mechanism of Chlorella vulgaris by triclosan.	0
407	Equilibrium modified atmosphere packaging on postharvest quality and antioxidant activity of strawberry.	0
406	Transcriptome Analysis of the Responses of Rice Leaves to Chilling and Subsequent Recovery. **2022**, 23, 10739	0
405	Zinc Deficiency-Induced Differential Biochemical Responses of Zinc-Efficient and Zinc-Inefficient Rice Plants.	0
404	Improvement of heat stress tolerance in soybean (Glycine max L), by using conventional and molecular tools. 13,	0
403	Pseudouridylation of chloroplast ribosomal RNA contributes to low temperature acclimation in rice.	0
402	Application of -triketone herbicides improves the purity of two-line hybrid rice seed without compromising yield.	0
401	Receptor-like cytoplasmic kinase STK confers salt tolerance in rice.	0
400	Manipulation of Senescence of Plants to Improve Biotic Stress Resistance. **2022**, 12, 1496	1
399	Identification and characterization of genes for drought tolerance in upland rice cultivar Banglami of North East India.	0
398	Ubiquitin-Specific Protease 2 (OsUBP2) Negatively Regulates Cell Death and Disease Resistance in Rice. **2022**, 11, 2568	0
397	Physiological and Metabolic Responses of Gac Leaf (Momordica cochinchinensis (Lour.) Spreng.) to Salinity Stress. **2022**, 11, 2447	1
396	Characterization and insecticidal activity of two natural formulation types against the scale insect (Parlatoria ziziphi) and their biochemical effects on Citrus aurantium. **2022**, 46,	1
395	Natural variations of ZmSRO1d modulate the trade-off between drought resistance and yield by affecting ZmRBOHC-mediated stomatal ROS production in maize. **2022**, 15, 1558-1574	0
394	Germination, Growth, and Secondary Metabolite Contents of Radish Sprouts (Raphanus sativus L.) as Affected by Plasma Activated Water Process Time.	0
393	Omics insights into plastid behavior toward improved carotenoid accumulation. 13,	0
392	Evaluation of the disinfection effect and mechanism of SO4 and HO in UV / persulfate salts from the perspective of VBNC bacteria.	0
391	Nitrogen repression of DON biosynthesis is mediated by Mep2 ammonium permease in Fusarium graminearum.	0

390	Beneficial effects and neurobiological aspects of environmental enrichment associated to major depressive disorder and autism spectrum disorder. **2022**,	0
389	An Integrated Physiological, Cytology and Proteomics Reveals Network of Sugarcane Protoplasts Responses to Enzymolysis.	0
388	Under cadmium stress, silicon has a defensive effect on the morphology, physiology, and anatomy of pea (Pisum sativum L.) plants. 13,	0
387	Over-expression of spermidine synthase 2 (SlSPDS2) in tomato plants improves saline-alkali stress tolerance by increasing endogenous polyamines content to regulate antioxidant enzyme system and ionic homeostasis. **2022**,	1
386	MelatoninNitric Oxide Interaction Modulates Catalase Activity and Hydrogen Peroxide Homeostasis in Sunflower Seedling Cotyledons Accompanying NaCl Stress.	0
385	Autophagy promotes directed migration of HUVEC in response to electric fields through the ROS/SIRT1/FOXO1 pathway. **2022**, 192, 213-223	0
384	Transcriptome analysis reveals gene expression changes of the basidiomycetous yeast Apiotrichum mycotoxinivorans in response to ochratoxin A exposure. **2022**, 246, 114146	0
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382	Polydopamine@SnS/g-C3N4 heterojunction photocatalyst: Insight into visible-light-induced reactive oxygen species (ROS)-mediated antibacterial and antimold activities. **2022**, 10, 108655	0
381	GhALKBH10 negatively regulates salt tolerance in cotton. **2022**, 192, 87-100	0
380	Sex in protists: A new perspective on the reproduction mechanisms of trypanosomatids. **2022**, 45,	0
379	Contrasting responses to drought stress between <i>Chrysanthemum japonense</i> and <i>C. nankingense</i>. **2022**, 2, 1-11	0
378	Detailed evaluation of a cellular in vitro method to assess oxidative potential of atmospheric aerosols as performed by two independent laboratorie. **2022**, 101586	0
377	Fruit nutritional composition, antioxidant and biochemical profiling of diverse tomato (Solanum lycopersicum L.) genetic resource. 13,	0
376	Extrinsic role of gibberellin mitigating salinity effect in different rice genotypes. 13,	0
375	Salicylic Acid-Mediated Physiological and Antioxidant Enzyme Activity Mechanisms in Plants Under Chilling Stress. **2022**, 183-194	0
374	Influence of Seed Soaking and Foliar Application Using Ozonated Water on Two Sweet Pepper Hybrids under Cold Stress. **2022**, 14, 13453	0
373	Drought tolerance promoted by complementation of ascorbate-glutathione system and antioxidant-rich phytochemicals in Amaranthus hypochondriacus L..	0

372	Genome-wide identification and expression analysis of BrAGC genes in Brassica rapa reveal their potential roles in sexual reproduction and abiotic stress tolerance. 13,	0
371	Impact of Silica Addition on Alleviating Cadmium Stress: Case Studies of Three Afforestation Tree Species Seedlings in Southern China. **2022**, 13, 1641	0
370	Structural Maintenance of Chromosome 3 interacts with the Topoisomerase VI complex and contributes to the oxidative stress response inArabidopsis thaliana.	0
369	Multiple pathways mediate chloroplast singlet oxygen stress signaling.	0
368	Electrochemical Quantification of H2O2 Released by Airway Cells Growing in Different Culture Media. **2022**, 13, 1762	0
367	Newcastle disease virus elevates its replication by instigating oxidative stress-driven Sirtuin 7 production.	0
366	-Cyclocitral: Emerging Bioactive Compound in Plants. **2022**, 27, 6845	0
365	Stb6 mediates stomatal immunity, photosynthetic functionality, and the antioxidant system during the Zymoseptoria tritici-wheat interaction. 13,	0
364	Flooding tolerance in plants: from physiological and molecular perspectives.	0
363	Comparative Physiological and Transcriptomic Analysis Provide New Insights of Crucial Pathways and Genes Regulating Kenaf Salt Tolerance.	0
362	Glyoxalase 2: Towards a Broader View of the Second Player of the Glyoxalase System. **2022**, 11, 2131	0
361	Gain time to adapt: How sorghum acquires tolerance to salinity. 13,	1
360	The Impact of Oxidative Stress on Pediatrics Syndromes. **2022**, 11, 1983	3
359	Salt Stress Induces Changes in Physiological Characteristics, Bioactive Constituents, and Antioxidants in Kenaf (Hibiscus cannabinus L.). **2022**, 11, 2005	2
358	Exogenous aspartic acid alleviates salt stress-induced decline in growth by enhancing antioxidants and compatible solutes while reducing reactive oxygen species in wheat. 13,	1
357	Schinus Essential Oils: Chemical Composition by GC GC-TOFMS and Phytotoxic Effects on Arabidopsis thaliana.	0
356	R2R3 MYB Transcription Factor, AhMYB94 Plays a Crucial Role in Stress adaptation of a Salt Susceptible Groundnut Cultivar-K6.	0
355	ZmMS39 encodes a callose synthase essential for male fertility in maize (Zea mays L.). **2022**,	0

354	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
353	Rice iron storage protein ferritin 2 (OsFER2) positively regulates ferroptotic cell death and defense responses against Magnaporthe oryzae. 13,	1
352	Roles of Hydrogen Gas in Plants under Abiotic Stress: Current Knowledge and Perspectives. **2022**, 11, 1999	0
351	Multi-stress resilience in plants recovering from submergence.	0
350	Novel 18□-glycyrrhetinic acid amide derivatives show dual-acting capabilities for control of plant bacterial diseases through ROS-mediated antibacterial efficiency and activation of plant defense responses. **2022**,	3
349	Transcripts related with ammonium use and effects of gibberellin on expressions of the transcripts responding to ammonium in two invasive and native Xanthium species. 13,	0
348	Dietary supplementation of Macleaya cordata extract and Bacillus in combination improve laying performance by regulating reproductive hormones, intestinal microbiota and barrier function of laying hens. **2022**, 13,	0
347	Importance of FaWRKY71 in Strawberry (Fragaria □ananassa) Fruit Ripening. **2022**, 23, 12483	0
346	Chronological transcriptome changes induced by exposure to cyanoacrylate resin nanoparticles in Chlamydomonas reinhardtii with a focus on ROS development and cell wall lysis-related genes. **2022**, 102884	0
345	Anthocyanin Accumulation Provides Protection against High Light Stress While Reducing Photosynthesis in Apple Leaves. **2022**, 23, 12616	1
344	Plant Growth□Promoting Rhizobacteria Enhance Salt Tolerance in Oat by Upregulating the Antioxidant System and Promoting Root Growth.	0
343	Physiological and metabolic toxicity of polystyrene microplastics to Dunaliella salina. **2022**, 120544	0
342	Silencing of SlMYB50 affects tolerance to drought and salt stress in tomato. **2022**,	3
341	Ultraviolet-B radiation stress triggers reactive oxygen species and regulates the antioxidant defense and photosynthesis systems of intertidal red algae Neoporphyra haitanensis. 9,	0
340	OXI1 induces immunity by coordinating N-hydroxypipecolic acid, salicylic acid and camalexin synthesis.	0
339	An Overview of Recent Advancements on Manganese-Based Nanostructures and Their Application for ROS-Mediated Tumor Therapy. 2415-2433	0
338	Variety-Specific Transcriptional and Alternative Splicing Regulations Modulate Salt Tolerance in Rice from Early Stage of Stress. **2022**, 15,	0
337	Deep into the apoplast: grapevine and Plasmopara viticola proteomes reveal the secret beneath host and pathogen communication at 6h after contact.	0

336	Physiological responses of chickpea (Cicer arietinum) against chromium toxicity. **2022**, 24, 100600	0
335	Silicon improves the effect of phosphate-solubilizing bacterium and arbuscular mycorrhizal fungus on phosphorus concentration of salinity-stressed alfalfa (Medicago sativa L.). **2022**, 24, 100619	0
334	FMR protein: Evidence of an emerging role in retinal aging?. **2022**, 225, 109282	0
333	Overexpression of an aquaporin gene EsPIP1;4 enhances abiotic stress tolerance and promotes flowering in Arabidopsis thaliana. **2022**, 193, 25-35	0
332	Desert plant transcriptomics and adaptation to abiotic stress. **2023**, 199-256	0
331	Mycosynthesis of metal-based nanoparticles and their perspectives in agri-food and veterinary/medical applications. **2023**, 423-482	0
330	Low voltage electrostatic field treatment of fresh-cut pineapples with slightly acidic electrolytic water: Influence on physicochemical changes and membrane stability. **2023**, 308, 111602	1
329	ZnO quantum dots outperform nanoscale and bulk particles for enhancing tomato (Solanum lycopersicum) growth and nutritional values. **2023**, 857, 159330	0
328	Transcriptome analysis reveals the mechanism of caffeic acid-grafted-chitosan/polylactic acid film packaging to delay quality deterioration in postharvest Agaricus bisporus. **2023**, 309, 111647	0
327	Influence of acid-base equilibria on the rate of the chemical reaction in the advanced oxidation processes: Coumarin derivatives and hydroxyl radical. **2023**, 453, 139648	1
326	Enhancement of biocontrol efficacy of Kluyveromyces marxianus induced by N-acetylglucosamine against Penicillium expansum. **2023**, 404, 134658	0
325	Expression of some Genes in Response to Cadmium Stress in <i>Triticum aestivum</i>. 63, 10-17	0
324	Licorice Root Extract Boosts <i>Capsicum annuum</i> L. Production and Reduces Fruit Contamination on a Heavy Metals-Contaminated Saline Soil. 73, 1-16	0
323	Seed Priming as a Sustainable Solution to Mitigate Salinity and Drought Stress in Plants. **2022**, 357-370	0
322	Plant response to heavy metal stress: an insight into the molecular mechanism of transcriptional regulation. **2023**, 337-367	0
321	Plant transcription factors: important factors controlling oxidative stress in plants. **2023**, 383-417	0
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319	Application of Azoxystrobin Fungicide Improves Drought Tolerance in Tomato, via Enhancing Physio-Biochemical and Anatomical Feature. 76, 34-49	0

318	Systematical Characterization of the Cotton Di19 Gene Family and the Role of GhDi19-3 and GhDi19-4 as Two Negative Regulators in Response to Salt Stress. **2022**, 11, 2225	0
317	Loss of chloroplast-localized NAD kinase causes ROS stress in Arabidopsis thaliana.	0
316	MicroRNA expression profiles in response to Phytophthora infestans and Oidium neolycopersici and functional identification of sly-miR397 in tomato.	0
315	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
314	TMT-Based Comparative Peptidomics Analysis of Rice Seedlings under Salt Stress: An Accessible Method to Explore Plant Stress-Tolerance Processing.	0
313	Focusing on cyclin-dependent kinases 5: A potential target for neurological disorders. 15,	0
312	Rhodotorula mucilaginosa□lternative sources of natural carotenoids, lipids, and enzymes for industrial use. **2022**, e11505	1
311	Overexpression of MsNAC51 from alfalfa confers drought tolerance in tobacco. **2022**, 105143	0
310	Overexpression of dihydroflavonol 4-reductase (CoDFR) boosts flavonoid production involved in the anthracnose resistance. 13,	0
309	Salix gordejevii females exhibit more resistance against wind erosion than males under aeolian environment. 13,	0
308	Does Oxidative Stress Along with Dysbiosis Participate in the Pathogenesis of Asthma in the Obese?.	0
307	The Gain-of-Function Mutation, OsSpl26, Positively Regulates Plant Immunity in Rice. **2022**, 23, 14168	0
306	Proteomic responses of two spring wheat cultivars to the combined water deficit and aphid (Metopolophium dirhodum) treatments. 13,	0
305	Silicon Improves Plant Growth-Promoting Effect of Nodule Non-Rhizobial Bacterium on Nitrogen Concentration of Alfalfa Under Salinity Stress.	0
304	Integrative application of heavy metal□esistant bacteria, moringa extracts, and nano-silicon improves spinach yield and declines its contaminant contents on a heavy metal□ontaminated soil. 13,	0
303	Impact of potassium starvation on the uptake, transportation, photosynthesis, and abiotic stress tolerance.	0
302	Rare earth element scandium mitigates the chromium toxicity in Lemna minor by regulating photosynthetic performance, hormonal balance and antioxidant machinery. **2022**, 120636	0
301	StICE1 enhances plant cold tolerance by directly upregulating StLTI6A expression.	0

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299	Effects of bisphenol A on antioxidation and nitrogen assimilation of maize seedlings roots. **2022**, 247, 114255	0
298	Antioxidant activities in Pimpinella anisum L. callus responding to PEG-6000-induced water stress under light (12h-photoperiod) and dark conditions.	0
297	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
296	Silicon and Nitric Oxide-Mediated Regulation of Growth Attributes, Metabolites and Antioxidant Defense System of Radish (L.) under Arsenic Stress. **2023**, 92, 763-782	1
295	Rice: Role and Responses Under Abiotic Stress. **2022**, 125-147	0
294	Using Hyper as a molecular probe to visualize hydrogen peroxide in living plant cells: An updated method. **2022**,	0
293	Multicopper oxidases GbAO and GbSKS are involved in the Verticillium dahliae resistance in Gossypium barbadense. **2023**, 280, 153887	1
292	Toxicological effects and transcriptome mechanisms of rice (Oryza sativa L.) under stress of quinclorac and polystyrene nanoplastics. **2023**, 249, 114380	2
291	Effects of antimony stress on growth, structure, enzyme activity and metabolism of Nipponbare rice (Oryza sativa L.) roots. **2023**, 249, 114409	0
290	Morphological and biochemical studies of Salvia guaranitica St. Hil. under simulated deposition with different amounts of dust. **2023**, 249, 114404	0
289	Metabolome analysis reveals the toxic effects of cadmium exposure on the egg sac of spider Pardosa pseudoannulata. **2023**, 249, 114459	0
288	24-epibrassinolide improves cadmium tolerance and lateral root growth associated with regulating endogenous auxin and ethylene in Kentucky bluegrass. **2023**, 249, 114460	0
287	Research status on remediation of eutrophic water by submerged macrophytes: A review. **2023**, 169, 671-684	1
286	Understanding the changes of phenylpropanoid metabolism and lignin accumulation in wounded cassava root during postharvest storage. **2023**, 310, 111765	0
285	Thermal-assisted synthesis of ferulic acid-chitosan complex in water and its application as safe antioxidant. **2023**, 227, 384-390	0
284	Phenolic peroxidases: Dull generalists or purposeful specialists in stress responses?. **2023**, 280, 153884	0
283	Photosynthetic, antioxidant activities, and osmoregulatory responses in winter wheat differ during the stress and recovery periods under heat, drought, and combined stress. **2023**, 327, 111557	1

282	Balanced basal-levels of ROS (redox-biology), and very-low-levels of pro-inflammatory cytokines (cold-inflammaging), as signaling molecules can prevent or slow-down overt-inflammaging, and the aging-associated decline of adaptive-homeostasis. **2023**, 172, 112067	0
281	Enzymatic and non-enzymatic response of grafted and ungrafted young European pear (Pyrus communis L.) trees to drought stress. **2023**, 310, 111745	0
280	Salicylic acid elicitation improves antioxidant activity of spinach leaves by increasing phenolic content and enzyme levels. **2023**, 2, 100156	1
279	Amelioration of heat stress during reproductive stage in rice by melatonin. **2019**, 89,	0
278	Protein l-isoAspartyl Methyltransferase (PIMT) and antioxidants in plants. **2022**,	0
277	Rhizosphere microbes enhance plant salt tolerance: Toward crop production in saline soil. **2022**, 20, 6543-6551	1
276	Tissue Oxidative Ecology along an Aridity Gradient in a Mammalian Subterranean Species. **2022**, 11, 2290	0
275	Exogenous melatonin improves salt tolerance mainly by regulating the antioxidant system in cyanobacterium Nostoc flagelliforme. 10, e14479	0
274	An integrated physiology, cytology, and proteomics analysis reveals a network of sugarcane protoplast responses to enzymolysis. 13,	1
273	Profiling of mitochondrial heteroplasmy in single human oocytes by next-generation sequencing.	0
272	Comparative transcriptomic and metabolomic analyses reveal the delaying effect of naringin on postharvest decay in citrus fruit. 13,	0
271	Insight of PBZ mediated drought amelioration in crop plants. 13,	0
270	Deoxyelephantopin, a germacrane-type sesquiterpene lactone from Elephantopus scaber , induces mitochondrial apoptosis of hepatocarcinoma cells by targeting Hsp90 in vitro and in vivo.	0
269	Arabidopsis EXECUTER1 interacts with WRKY transcription factors to mediate plastid-to-nucleus singlet oxygen signaling.	1
268	Regulation of denitrification performance and microbial topology by lights: Insight into wavelength effects towards microbiota. **2022**, 119434	0
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161	Mineral nutrition, yield, and source□sink relationships. **2023**, 131-200	0
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156	A Novel Strategy for Screening Active Components in Cistanche tubulosa Based on Spectrum-Effect Relationship Analysis and Network Pharmacology. **2023**, 2023, 1-20	0
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150	Allelic variation of TaWD40-4B.1 contributes to drought tolerance by modulating catalase activity in wheat. **2023**, 14,	1
149	Oxidative Status of Medicago truncatula Seedlings after Inoculation with Rhizobacteria of the Genus Pseudomonas, Paenibacillus and Sinorhizobium. **2023**, 24, 4781	0
148	Low-dose gamma radiation varied growth and potential of paclitaxel biosynthesis in callus culture of hazel (Corylus avellana L.).	0
147	Brassinosteroids alleviate nanoplastic toxicity in edible plants by activating antioxidant defense systems and suppressing nanoplastic uptake. **2023**, 174, 107901	0
146	Regulation and mechanism of ethylene treatment on storage quality of fresh-cut lotus (Nelumbo nucifera Gaertn.) root slices. **2023**, 313, 111900	0
145	Oxidative and Glycation Damage to Mitochondrial DNA and Plastid DNA during Plant Development. **2023**, 12, 891	0
144	OsRbohI Regulates Rice Growth and Development through Jasmonic Acid Signal.	0
143	Global Change Factors Influence Plant-Epichlo Associations. **2023**, 9, 446	0
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141	Application of polysaccharide-based edible coatings to improve the quality of zucchini fruit during postharvest cold storage. **2023**, 314, 111941	0
140	The photosynthetic function analysis for leaf photooxidation in rice. **2023**, 61, 48-57	0
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137	Molecular mechanism that underlies cotton response to salt and drought stress revealed by complementary transcriptomic and iTRAQ analyses. **2023**, 209, 105288	0
136	Evaluation of host resistance and susceptibility to Podosphaera aphanis NWAU1 infection in 19 strawberry varieties. **2023**, 315, 111977	0
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132	Overexpression of NtGCN2 improves drought tolerance in tobacco by regulating proline accumulation, ROS scavenging ability, and stomatal closure. **2023**, 198, 107665	0
131	Overexpression of the VyP5CR gene increases drought tolerance in transgenic grapevine (V. vinifera L.). **2023**, 316, 112019	0
130	Photodynamic therapy enhances the cytotoxicity of temozolomide against glioblastoma via reprogramming anaerobic glycolysis. **2023**, 42, 103342	1
129	A turn-on NIR fluorescent probe for risk-assessing oxidative stress in cabbage roots under abiotic stress. **2023**, 258, 124402	0
128	Physiological and DNA methylation analysis provides epigenetic insights into kenaf cadmium tolerance heterosis. **2023**, 331, 111663	0
127	Extraction, purification, structure, and antioxidant activity of polysaccharide from Rhodiola rosea. **2023**, 1283, 135310	0
126	Comparative transcriptome analysis of interspecific CSSLs reveals candidate genes and pathways involved in verticillium wilt resistance in cotton (Gossypium hirsutum L.). **2023**, 197, 116560	0
125	Effects of environmental stress factors on the actin cytoskeleton of fungi and plants: Ionizing radiation and ROS.	0
124	Protective Effects of a Jellyfish-Derived Thioredoxin Fused with Cell-Penetrating Peptide TAT-PTD on H2O2-Induced Oxidative Damage. **2023**, 24, 7340	0
123	Characterization of Brazilian Cordyceps fumosorosea isolates: Conidial production, tolerance to ultraviolet-B radiation, and elevated temperature. **2023**, 197, 107888	0
122	A secondary function of trehalose-6-phosphate synthase is required for resistance to oxidative and desiccation stress in Fusarium verticillioides. **2023**, 127, 918-926	0
121	Physiological and Biochemical Responses in Microalgae Dunaliella salina, Cylindrotheca closterium and Phormidium versicolor NCC466 Exposed to High Salinity and Irradiation. **2023**, 13, 313	0

120	Antioxidative response of Stevia leaves to night chilling temperature. **2023**, 154, 232-238	0
119	□Aminobutyric acid induced phytotoxicity and effectiveness against nematode is stereomer-specific and dose-dependent in tomato. **2023**, 175,	0
118	Hormesis effects in tomato plant growth and photosynthesis due to acephate exposure based on physiology and transcriptomic analysis.	0
117	1-Aminocyclopropane-1-carboxylic acid mitigates copper stress by decreasing copper transport and inducing jasmonic acid synthesis in Gracilariopsis lemaneiformis. **2023**, 208, 105237	0
116	A novel soybean malectin-like receptor kinase-encoding gene, GmMLRK1, provides resistance to soybean mosaic virus. **2023**, 74, 2692-2706	0
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114	Molecular Responses of Vegetable, Ornamental Crops, and Model Plants to Salinity Stress. **2023**, 24, 3190	0
113	Nutshell Physicochemical Characteristics of Different Hazel Cultivars and Their Defensive Activity toward Curculio nucum (Coleoptera: Curculionidae). **2023**, 14, 319	0
112	The transcriptional regulatory network of hormones and genes under salt stress in tomato plants (Solanum lycopersicum L.). 14,	0
111	Seed Priming with Nanoparticles and 24-Epibrassinolide Improved Seed Germination and Enzymatic Performance of Zea mays L. in Salt-Stressed Soil. **2023**, 12, 690	3
110	The Role of Reactive Oxygen Species in Plant Response to Radiation. **2023**, 24, 3346	0
109	Assessment of antioxidant activities of Epidendrum secundum Jacq., a terrestrial orchid from southern Ecuadorian highlands. **2023**, 154, 380-386	0
108	Grapevine bZIP transcription factor bZIP45 regulates VvANN1 and confers drought tolerance in Arabidopsis. 14,	0
107	Effects of glutamate oxaloacetate transaminase on reactive oxygen species in Ganoderma lucidum. **2023**, 107, 1845-1861	0
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105	Membrane Proteins in Plant Salinity Stress Perception, Sensing, and Response. **2023**, 256, 109-124	0
104	Comparative Study of Cis- and Trans-Priming Effect of PEG and BABA in Cowpea Seedlings on Exposure to PEG-Induced Osmotic Stress. **2023**, 2, 85-100	0
103	Physiological and Transcriptional Responses of Apocynum venetum to Salt Stress at the Seed Germination Stage. **2023**, 24, 3623	0

102	Circadian Clock Contributes to Modulate Salinity Stress-Responsive Antioxidative Mechanisms and Chloroplast Proteome in Spinacia oleracea. **2023**, 13, 429	0
101	Salicylic Acid: A Phenolic Molecule with Multiple Roles in Salt-Stressed Plants.	0
100	Identification of Salt Tolerance Related Candidate Genes in Sea Rice 86 at the Seedling and Reproductive Stages Using QTL-Seq and BSA-Seq. **2023**, 14, 458	1
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98	Silicon Nutrition in Plants under Water-Deficit Conditions: Overview and Prospects. **2023**, 15, 739	0
97	Nitric oxide, calmodulin and calcium protein kinase interactions in the response of Brassica napus to salinity stress. **2023**, 25, 411-419	0
96	Physiological and Biochemical Responses of Solanum lycopersicum L. to Benzo[a]pyrene Contaminated Soils. **2023**, 24, 3741	0
95	Metabolic imprint induced by seed halo-priming promotes a differential physiological performance in two contrasting quinoa ecotypes. 13,	0
94	Genome-wide analysis of long non-coding RNAs in sugar beet (Beta vulgaris L.) under drought stress. 14,	0
93	Suppression of the HOS1 Gene Affects the Level of ROS Depending on Light and Cold. **2023**, 13, 524	0
92	Potassium Phosphite Activates Components Associated with Constitutive Defense Responses in Coffea arabica Cultivars.	0
91	Research progress on maintaining chloroplast homeostasis under stress conditions: a review. **2023**,	0
90	Exogenous melatonin (MT) enhances salt tolerance of okra (Abelmoschus esculentus L.) plants by regulating proline, photosynthesis, ion homeostasis and ROS pathways.	0
89	Salinity stress improves antioxidant potential by modulating physio-biochemical responses in Moringa oleifera Lam.. **2023**, 13,	3
88	Curcumin Loaded Mesoporous Silica Nanoparticles: A Novel Therapeutic Strategy for Neurochemical Disorders.	0
87	Soybean transporter AATRhg1abundance increases along the nematode migration path and impacts vesiculation and ROS.	0
86	Comparative transcriptome analysis reveals the regulatory mechanisms of two tropical water lilies in response to cold stress. **2023**, 24,	0
85	Revisiting the role of phenylpropanoids in plant defense against UV-B stress. **2023**, 7, 100143	0

84	Characterization of hexokinase gene family members in Glycine max and functional analysis of GmHXK2 under salt stress. 14,	0
83	Physiological Alterations and Nondestructive Test Methods of Crop Seed Vigor: A Comprehensive Review. **2023**, 13, 527	0
82	Growth and physiological□biochemical characteristics of cucumber (Cucumis sativus L.) in the presence of different microplastics. **2023**, 16,	0
81	Comparative Evaluation of Physiological Response and Drought Tolerance between Cunninghamia unica and C. lanceolata Seedlings under Drought Stress. **2023**, 14, 464	0
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79	Evaluation of the disinfection effect and mechanism of SO4□and HO□UV/persulfate salts. **2023**, 30, 52380-52389	0
78	Exploration the homeostasis of signaling molecules in monocotyledonous crops with different CuO nanoparticle tolerance. **2023**, 7, 100145	0
77	Physiological and biochemical response of P. fortunei to Mn exposure. **2023**, 30, 52646-52657	0
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75	Nitrogen supply alleviates cold stress by increasing photosynthesis and nitrogen assimilation in maize seedlings.	0
74	Karrikin1 Enhances Drought Tolerance in Creeping Bentgrass in Association with Antioxidative Protection and Regulation of Stress-Responsive Gene Expression. **2023**, 13, 675	0
73	Seed Longevity and Deterioration. **2023**, 91-108	0
72	Seed Vigour and Invigoration. **2023**, 67-89	0
71	Comparative analysis of physiological responses to environmental stress in Hedysarum scoparium and Caragana korshinskii seedlings due to roots exposure. 11, e14905	0
70	Knockdown of Sly-miR164a Enhanced Plant Salt Tolerance and Improved Preharvest and Postharvest Fruit Nutrition of Tomato. **2023**, 24, 4639	0
69	Effects of Exogenously Applied Copper in Tomato Plants□Oxidative and Nitrogen Metabolisms under Organic Farming Conditions. **2023**, 9, 323	0
68	An in Vitro Approach to Investigate the Role of Abscisic Acid in Alleviating the Negative Effects of Chilling Stress on Banana Shoots. **2023**, 92, 1695-1711	0
67	Elucidation of Physio-Biochemical Changes in Citrus spp. Incited by Xanthomonas citri pv. citri. **2023**, 9, 324	0

66	Transcriptomics Insights into Phosphorus Stress Response of Myriophyllum aquaticum. **2023**, 24, 4874	0
65	Physiological and transcriptome analysis of Dendrobium officinale under low nitrogen stress. **2023**, 50, 314-334	0
64	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
63	Kinase Inhibitor VvBKI1 Interacts with Ascorbate Peroxidase VvAPX1 Promoting Plant Resistance to Oomycetes. **2023**, 24, 5106	0
62	Evaluation of the fungicide treatment with copper oxide and potassium phosphonate solutions for the sustainable management of P. pinaster trees infected with B. xylophilus.	0
61	Amelioration of the physio-biochemical responses to salinity stress and computing the primary germination index components in cauliflower on seed priming. **2023**, 9, e14403	0
60	Antioxidant Defensive Mechanisms to Regulate Cellular Redox Homeostatic Balance. **2023**, 143-172	0
59	Molecular Mechanisms Underpinning Signaling Function of ROS. **2023**, 223-240	0
58	Control of the rhizobium–legume symbiosis by the plant nitrogen demand is tightly integrated at the whole plant level and requires inter-organ systemic signaling. 14,	0
57	Responses of two strawberry cultivars to NaCl-induced salt stress under the influence of ZnO nanoparticles. **2023**, 30, 103623	0
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55	A review on phytotoxicity and defense mechanism of silver nanoparticles (AgNPs) on plants. **2023**, 25,	0
54	State of the Art of the Molecular Biology of the Interaction between Cocoa and Witches'-Broom Disease: A Systematic Review. **2023**, 24, 5684	0
53	Alterations in metabolic profiling of crop plants under abiotic stress. **2023**, 197-233	0
52	Assessment of oxidative stress in plants by EPR spectroscopy. **2023**, 133-140	0
51	Ornithine δ-aminotransferase OsOAT is critical for male fertility and cold tolerance during rice plant development.	0
50	Acceptor substitution engineering of BODIPY-based organic photosensitizers with aggregation-induced emission for organelle localization and photodynamic anticancer therapy. **2023**, 228, 111838	0
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