

Mustafa Kucukoduk

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

456
citations

840776

11
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

503
citing authors

#	ARTICLE	IF	CITATIONS
1	The humic acid-induced changes in the water status, chlorophyll fluorescence and antioxidant defense systems of wheat leaves with cadmium stress. <i>Ecotoxicology and Environmental Safety</i> , 2018, 155, 66-75.	6.0	61
2	Hydrogen sulfide (H ₂ S) and nitric oxide (NO) alleviate cobalt toxicity in wheat (<i>Triticum aestivum</i> L.) by modulating photosynthesis, chloroplastic redox and antioxidant capacity. <i>Journal of Hazardous Materials</i> , 2020, 388, 122061.	12.4	54
3	Flavonoid Naringenin Alleviates Short-Term Osmotic and Salinity Stresses Through Regulating Photosynthetic Machinery and Chloroplastic Antioxidant Metabolism in <i>Phaseolus vulgaris</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 682.	3.6	40
4	Protective roles of exogenously applied gallic acid in <i>Oryza sativa</i> subjected to salt and osmotic stresses: effects on the total antioxidant capacity. <i>Plant Growth Regulation</i> , 2015, 75, 219-234.	3.4	35
5	The impact of selenium application on enzymatic and non-enzymatic antioxidant systems in <i>Zea mays</i> roots treated with combined osmotic and heat stress. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 261-275.	2.6	35
6	Naringenin induces tolerance to salt/osmotic stress through the regulation of nitrogen metabolism, cellular redox and ROS scavenging capacity in bean plants. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 264-275.	5.8	32
7	The role of antioxidant responses on the tolerance range of extreme halophyte <i>Salsola crassa</i> grown under toxic salt concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 21-30.	6.0	31
8	Exogenous Nitric Oxide (as Sodium Nitroprusside) Ameliorates Polyethylene Glycol-Induced Osmotic Stress in Hydroponically Grown Maize Roots. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 683-696.	5.1	27
9	Ferulic acid confers tolerance against excess boron by regulating ROS levels and inducing antioxidant system in wheat leaves (<i>Triticum aestivum</i>). <i>Environmental and Experimental Botany</i> , 2019, 161, 193-202.	4.2	23
10	Rare-earth element scandium improves stomatal regulation and enhances salt and drought stress tolerance by up-regulating antioxidant responses of <i>Oryza sativa</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 152, 157-169.	5.8	19
11	Improvement of cold stress resistance via free radical scavenging ability and promoted water status and photosynthetic capacity of gallic acid in soybean leaves. <i>Journal of Soil Science and Plant Nutrition</i> , 2017, , 0-0.	3.4	13
12	Biochar Triggers Systemic Tolerance Against Cobalt Stress in Wheat Leaves Through Regulation of Water Status and Antioxidant Metabolism. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 935-947.	3.4	13
13	Variations in osmotic adjustment and water relations of <i>Sphaerophysa kotschyana</i> : Glycine betaine, proline and choline accumulation in response to salinity. , 2014, 55, 6.		11
14	Cold stress in soybean (<i>Glycine max</i> L.) roots: Exogenous gallic acid promotes water status and increases antioxidant activities. <i>Botanica Serbica</i> , 2019, 43, 59-71.	1.0	11
15	Humic acid protects against oxidative damage induced by cadmium toxicity in wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 2019, 43, 161-173.	1.0	11
16	Nanomaterial sulfonated graphene oxide advances the tolerance against nitrate and ammonium toxicity by regulating chloroplastic redox balance, photochemistry of photosystems and antioxidant capacity in <i>Triticum aestivum</i> . <i>Journal of Hazardous Materials</i> , 2022, 424, 127310.	12.4	10
17	Assessment of antioxidant system and enzyme/nonenzyme regulation related to ascorbate-glutathione cycle in ferulic acid-treated <i>Triticum aestivum</i> L. roots under boron toxicity. <i>Turkish Journal of Botany</i> , 2020, 44, 47-61.	1.2	8
18	Modulation of osmotic adjustment and antioxidant status in salt-stressed leaves of <i>Thermopsis turcica</i> . <i>Acta Physiologiae Plantarum</i> , 2014, 36, 125-138.	2.1	6

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19	Karyological studies in some <i>Glycyrrhiza</i> (Fabaceae) taxa from Turkey. <i>Caryologia</i> , 2015, 68, 254-264.	0.3	5
20	Influences of sulfonated graphene oxide on gas exchange performance, antioxidant systems and redox states of ascorbate and glutathione in nitrate and/or ammonium stressed-wheat (<i>Triticum aestivum</i>) Tj ETQq0 0 0 r g BT /Overlock 10 TF 5	0.3	5
21	Hydrogen Sulfide Protects Damage From Methyl Viologen-Mediated Oxidative Stress by Improving Gas Exchange, Fluorescence Kinetics of Photosystem II, and Antioxidant System in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1031-1050.	5.1	3
22	Multi-Walled Carbon Nanotubes Influence on Gas Exchange, Redox Reaction and Antioxidant System in <i>Zea mays</i> Exposed to Excessive Copper. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	5.1	2
23	Ex-foliar applied extremolyte ectoine improves water management, photosystem, antioxidant system and redox homeostasis in <i>Zea mays</i> under cadmium toxicity. <i>South African Journal of Botany</i> , 2022, 147, 130-141.	2.5	2