

Shafaque Sehar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Comparison of Biochemical, Anatomical, Morphological, and Physiological Responses to Salinity Stress in Wheat and Barley Genotypes Deferring in Salinity Tolerance. <i>Agronomy</i> , 2020, 10, 127.	3.0	119
2	Modulation of Cellular Redox Status and Antioxidant Defense System after Synergistic Application of Zinc Oxide Nanoparticles and Salicylic Acid in Rice (<i>Oryza sativa</i>) Plant under Arsenic Stress. <i>Plants</i> , 2021, 10, 2254.	3.5	53
3	Zinc alleviates cadmium toxicity by modulating photosynthesis, ROS homeostasis, and cation flux kinetics in rice. <i>Environmental Pollution</i> , 2020, 265, 114979.	7.5	43
4	Improvement of morpho-physiological, ultrastructural and nutritional profiles in wheat seedlings through astaxanthin nanoparticles alleviating the cadmium toxicity. <i>Journal of Hazardous Materials</i> , 2022, 424, 126511.	12.4	40
5	Cadmium-zinc cross-talk delineates toxicity tolerance in rice via differential genes expression and physiological / ultrastructural adjustments. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110076.	6.0	39
6	Comparative Proteomic Analysis by iTRAQ Reveals that Plastid Pigment Metabolism Contributes to Leaf Color Changes in Tobacco (<i>Nicotiana tabacum</i>) during Curing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2394.	4.1	25
7	Physio-ultrastructural footprints and iTRAQ-based proteomic approach unravel the role of <i>Piriformospora indica</i> -colonization in counteracting cadmium toxicity in rice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112390.	6.0	24
8	High accumulation of phenolics and amino acids confers tolerance to the combined stress of cobalt and copper in barley (<i>Hordeum vulgare</i>). <i>Plant Physiology and Biochemistry</i> , 2020, 155, 927-937.	5.8	22
9	Resemblance and Difference of Seedling Metabolic and Transporter Gene Expression in High Tolerance Wheat and Barley Cultivars in Response to Salinity Stress. <i>Plants</i> , 2020, 9, 519.	3.5	18
10	Application of sulfur fertilizer reduces cadmium accumulation and toxicity in tobacco seedlings (<i>Nicotiana tabacum</i>). <i>Plant Growth Regulation</i> , 2018, 85, 165-170.	3.4	16
11	iTRAQ-based comparative proteomic analysis reveals high temperature accelerated leaf senescence of tobacco (<i>Nicotiana tabacum</i> L.) during flue-curing. <i>Genomics</i> , 2020, 112, 3075-3088.	2.9	15
12	Transcriptome analysis reveals the tolerant mechanisms to cobalt and copper in barley. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111761.	6.0	15
13	Myriad of physio-genetic factors determining the fate of plant under zinc nutrient management. <i>Environmental and Experimental Botany</i> , 2021, 189, 104559.	4.2	10
14	The Tolerance Index and Translocation Factor were Used to Identify the Barley Genotypes with High Arsenic Stress Tolerance. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 50-62.	1.4	9
15	Mechanistic Insights into Potassium-Conferred Drought Stress Tolerance in Cultivated and Tibetan Wild Barley: Differential Osmoregulation, Nutrient Retention, Secondary Metabolism and Antioxidative Defense Capacity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13100.	4.1	7
16	Stress signaling convergence and nutrient crosstalk determine zinc-mediated amelioration against cadmium toxicity in rice. <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113128.	6.0	5
17	Surface Seeding of Wheat: A Sustainable Way towards Climate Resilience Agriculture. <i>Sustainability</i> , 2022, 14, 7460.	3.2	3
18	Optimized Protocol for OnGuard2 Software in Studying Guard Cell Membrane Transport and Stomatal Physiology. <i>Frontiers in Plant Science</i> , 2020, 11, 131.	3.6	0