Shafaque Sehar

List of Publications by Year
in descending order

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18	463	759233 12	888059 17
papers	citations	h-index	g-index

18	18	18	475
all docs	docs citations	times ranked	citing authors

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