

Neha Handa

List of Publications by Year in descending order

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32
papers

2,717
citations

623188

14
h-index

794141

19
g-index

38
all docs

38
docs citations

38
times ranked

2707
citing authors

#	ARTICLE	IF	CITATIONS
1	Worldwide pesticide usage and its impacts on ecosystem. SN Applied Sciences, 2019, 1, 1.	1.5	863
2	Phytohormones Regulate Accumulation of Osmolytes Under Abiotic Stress. Biomolecules, 2019, 9, 285.	1.8	412
3	Photosynthetic Response of Plants Under Different Abiotic Stresses: A Review. Journal of Plant Growth Regulation, 2020, 39, 509-531.	2.8	406
4	Selenium modulates dynamics of antioxidative defence expression, photosynthetic attributes and secondary metabolites to mitigate chromium toxicity in Brassica juncea L. plants. Environmental and Experimental Botany, 2019, 161, 180-192.	2.0	177
5	Redox homeostasis in plants under abiotic stress: role of electron carriers, energy metabolism mediators and proteinaceous thiols. Frontiers in Environmental Science, 2015, 3, .	1.5	130
6	Interaction of 24-epibrassinolide and salicylic acid regulates pigment contents, antioxidative defense responses, and gene expression in Brassica juncea L. seedlings under Pb stress. Environmental Science and Pollution Research, 2018, 25, 15159-15173.	2.7	106
7	Combined effect of 24-epibrassinolide and salicylic acid mitigates lead (Pb) toxicity by modulating various metabolites in Brassica juncea L. seedlings. Protoplasma, 2018, 255, 11-24.	1.0	102
8	Selenium ameliorates chromium toxicity through modifications in pigment system, antioxidative capacity, osmotic system, and metal chelators in Brassica juncea seedlings. South African Journal of Botany, 2018, 119, 1-10.	1.2	73
9	Modulation of antioxidative defense expression and osmolyte content by co-application of 24-epibrassinolide and salicylic acid in Pb exposed Indian mustard plants. Ecotoxicology and Environmental Safety, 2018, 147, 382-393.	2.9	57
10	Protective role of selenium against chromium stress involving metabolites and essential elements in Brassica juncea L. seedlings. 3 Biotech, 2018, 8, 66.	1.1	56
11	Synergistic effect of 24-epibrassinolide and salicylic acid on photosynthetic efficiency and gene expression in Brassica juncea L. under Pb stress. Turkish Journal of Biology, 2017, 41, 943-953.	2.1	51
12	Enthralling the impact of engineered nanoparticles on soil microbiome: A concentric approach towards environmental risks and cogitation. Ecotoxicology and Environmental Safety, 2021, 222, 112459.	2.9	42
13	Responses of Phytochelatins and Metallothioneins in Alleviation of Heavy Metal Stress in Plants. , 2016, , 263-283.		29
14	ROS Signaling in Plants Under Heavy Metal Stress. , 2017, , 185-214.		28
15	Role of Se(VI) in counteracting oxidative damage in Brassica juncea L. under Cr(VI) stress. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	18
16	Current Scenario of Pb Toxicity in Plants: Unraveling Plethora of Physiological Responses. Reviews of Environmental Contamination and Toxicology, 2019, 249, 153-197.	0.7	18
17	Lignins and Abiotic Stress: An Overview. , 2014, , 267-296.		15
18	Role of Compatible Solutes in Enhancing Antioxidative Defense in Plants Exposed to Metal Toxicity. , 2018, , 207-228.		14

#	ARTICLE	IF	CITATIONS
19	Potential of Endophytic Bacteria in Heavy Metal and Pesticide Detoxification. <i>Microorganisms for Sustainability</i> , 2018, , 307-336.	0.4	13
20	LEA Proteins in Salt Stress Tolerance. , 2013, , 79-112.		12
21	Role of Salicylic Acid in Heavy Metal Stress Tolerance: Insight into Underlying Mechanism. , 2017, , 123-144.		12
22	Antifungal and Antioxidant Profile of Ethnomedicinally Important Liverworts (<i>Pellia endivaefolia</i> and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 571-579.	0.4	10
23	Prospects of Field Crops for Phytoremediation of Contaminants. , 2014, , 449-470.		9
24	Aquaporins: Role Under Salt Stress in Plants. , 2013, , 213-248.		7
25	Osmolyte Dynamics. , 2014, , 405-430.		7
26	Aquaporinâ€mediated transport: Insights into metalloïd trafficking. <i>Physiologia Plantarum</i> , 2022, 174, e13687.	2.6	7
27	Role and Regulation of Plant Hormones as a Signal Molecule in Response to Abiotic Stresses. , 2019, , 303-317.		4
28	Role of metabolites in abiotic stress tolerance in legumes. , 2021, , 245-276.		3
29	Impact of Cobalt Oxide Nanoparticles on the Morpho-physiological and Biochemical Response in Plants. <i>Nanotechnology in the Life Sciences</i> , 2021, , 249-267.	0.4	2
30	Emerging Trends in Physiological and Biochemical Responses of Salicylic Acid. , 2017, , 47-75.		1
31	Role of Biochar in Heavy Metal Toxicity in Plants. <i>Nanotechnology in the Life Sciences</i> , 2020, , 349-371.	0.4	1
32	Sulfur Nutrition and Abiotic Stress Tolerance in Plant. , 2019, , 219-234.		0