

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	Aquaporin-mediated transport: Insights into metalloids trafficking. <i>Physiologia Plantarum</i> , 2022, 174, e13687.	2.6	7
2	Role of metabolites in abiotic stress tolerance in legumes. , 2021, , 245-276.		3
3	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
4	Enthralling the impact of engineered nanoparticles on soil microbiome: A concentric approach towards environmental risks and cogitation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112459.	2.9	42
5	Photosynthetic Response of Plants Under Different Abiotic Stresses: A Review. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 509-531.	2.8	406
6	Role of Biochar in Heavy Metal Toxicity in Plants. <i>Nanotechnology in the Life Sciences</i> , 2020, , 349-371.	0.4	1
7	Phytohormones Regulate Accumulation of Osmolytes Under Abiotic Stress. <i>Biomolecules</i> , 2019, 9, 285.	1.8	412
8	Worldwide pesticide usage and its impacts on ecosystem. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	863
9	Current Scenario of Pb Toxicity in Plants: Unraveling Plethora of Physiological Responses. <i>Reviews of Environmental Contamination and Toxicology</i> , 2019, 249, 153-197.	0.7	18
10	Role and Regulation of Plant Hormones as a Signal Molecule in Response to Abiotic Stresses. , 2019, , 303-317.		4
11	Selenium modulates dynamics of antioxidative defence expression, photosynthetic attributes and secondary metabolites to mitigate chromium toxicity in <i>Brassica juncea</i> L. plants. <i>Environmental and Experimental Botany</i> , 2019, 161, 180-192.	2.0	177
12	Sulfur Nutrition and Abiotic Stress Tolerance in Plant. , 2019, , 219-234.		0
13	Potential of Endophytic Bacteria in Heavy Metal and Pesticide Detoxification. <i>Microorganisms for Sustainability</i> , 2018, , 307-336.	0.4	13
14	Protective role of selenium against chromium stress involving metabolites and essential elements in <i>Brassica juncea</i> L. seedlings. <i>3 Biotech</i> , 2018, 8, 66.	1.1	56
15	Interaction of 24-epibrassinolide and salicylic acid regulates pigment contents, antioxidative defense responses, and gene expression in <i>Brassica juncea</i> L. seedlings under Pb stress. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15159-15173.	2.7	106
16	Modulation of antioxidative defense expression and osmolyte content by co-application of 24-epibrassinolide and salicylic acid in Pb exposed Indian mustard plants. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 382-393.	2.9	57
17	Role of Compatible Solutes in Enhancing Antioxidative Defense in Plants Exposed to Metal Toxicity. , 2018, , 207-228.		14
18	Selenium ameliorates chromium toxicity through modifications in pigment system, antioxidative capacity, osmotic system, and metal chelators in <i>Brassica juncea</i> seedlings. <i>South African Journal of Botany</i> , 2018, 119, 1-10.	1.2	73

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19	Combined effect of 24-epibrassinolide and salicylic acid mitigates lead (Pb) toxicity by modulating various metabolites in <i>Brassica juncea</i> L. seedlings. <i>Protoplasma</i> , 2018, 255, 11-24.	1.0	102
20	Role of Se(VI) in counteracting oxidative damage in <i>Brassica juncea</i> L. under Cr(VI) stress. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	18
21	ROS Signaling in Plants Under Heavy Metal Stress. , 2017, , 185-214.		28
22	Emerging Trends in Physiological and Biochemical Responses of Salicylic Acid. , 2017, , 47-75.		1
23	Role of Salicylic Acid in Heavy Metal Stress Tolerance: Insight into Underlying Mechanism. , 2017, , 123-144.		12
24	Synergistic effect of 24-epibrassinolide and salicylic acid on photosynthetic efficiency and gene expression in <i>Brassica juncea</i> L. under Pb stress. <i>Turkish Journal of Biology</i> , 2017, 41, 943-953.	2.1	51
25	Responses of Phytochelatins and Metallothioneins in Alleviation of Heavy Metal Stress in Plants. , 2016, , 263-283.		29
26	Redox homeostasis in plants under abiotic stress: role of electron carriers, energy metabolism mediators and proteinaceous thiols. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	130
27	Antifungal and Antioxidant Profile of Ethnomedicinally Important Liverworts (<i>Pellia endivae</i> and) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 571-579.	0.4	10
28	Prospects of Field Crops for Phytoremediation of Contaminants. , 2014, , 449-470.		9
29	Osmolyte Dynamics. , 2014, , 405-430.		7
30	Lignins and Abiotic Stress: An Overview. , 2014, , 267-296.		15
31	LEA Proteins in Salt Stress Tolerance. , 2013, , 79-112.		12
32	Aquaporins: Role Under Salt Stress in Plants. , 2013, , 213-248.		7