

Manzer H Siddiqui

List of Publications by Year in descending order

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Version: 2024-02-01

170
papers

7,127
citations

66250

44
h-index

87275

74
g-index

174
all docs

174
docs citations

174
times ranked

5434
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic amendments minimize the migration of potentially toxic elements in soil–plant system in degraded agricultural lands. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6547-6565.	2.9	11
2	Salicylic acid and silicon impart resilience to lanthanum toxicity in <i>Brassica juncea</i> L. seedlings. <i>Plant Growth Regulation</i> , 2023, 100, 453-466.	1.8	12
3	Potassium silicate and zinc oxide nanoparticles modulate antioxidant system, membranous H. <i>Functional Plant Biology</i> , 2023, 50, 146-159.	1.1	9
4	Supplementation of Acetylcholine Mediates Physiological and Biochemical Changes in Tobacco Lead to Alleviation of Damaging Effects of Drought Stress on Growth and Photosynthesis. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 4616-4628.	2.8	2
5	Salicylic Acid Modulates Antioxidant System, Defense Metabolites, and Expression of Salt Transporter Genes in <i>Pisum sativum</i> Under Salinity Stress. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1905-1918.	2.8	26
6	Exogenous hydrogen sulphide alleviates copper stress impacts in <i>Artemisia annua</i> L.: Growth, antioxidant metabolism, glandular trichome development and artemisinin biosynthesis. <i>Plant Biology</i> , 2022, 24, 642-651.	1.8	15
7	Effects of rice straw biochar and nitrogen fertilizer on ramie (<i>Boehmeria nivea</i> L.) morpho-physiological traits, copper uptake and post-harvest soil characteristics, grown in an aged-copper contaminated soil. <i>Journal of Plant Nutrition</i> , 2022, 45, 11-24.	0.9	21
8	Hydrogen sulphide and salicylic acid regulate antioxidant pathway and nutrient balance in mustard plants under cadmium stress. <i>Plant Biology</i> , 2022, 24, 660-669.	1.8	23
9	Molybdenum-induced endogenous nitric oxide (NO) signaling coordinately enhances resilience through chlorophyll metabolism, osmolyte accumulation and antioxidant system in arsenate stressed-wheat (<i>Triticum aestivum</i> L.) seedlings. <i>Environmental Pollution</i> , 2022, 292, 118268.	3.7	28
10	Genome-wide analysis of potassium transport genes in <i>Gossypium raimondii</i> suggest a role of GrHAK/KUP/KT8, GrAKT2.1 and GrAKT1.1 in response to abiotic stress. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 110-122.	2.8	16
11	Potassium and melatonin-mediated regulation of fructose-1,6-bisphosphatase (FBPase) and sedoheptulose-1,7- bisphosphatase (SBPase) activity improve photosynthetic efficiency, carbon assimilation and modulate glyoxalase system accompanying tolerance to cadmium stress in tomato seedlings. <i>Plant Physiology and Biochemistry</i> , 2022, 171, 49-65.	2.8	27
12	Exploring the potential effect of <i>Achnatherum splendens</i> L.-derived biochar treated with phosphoric acid on bioavailability of cadmium and wheat growth in contaminated soil. <i>Environmental Science and Pollution Research</i> , 2022, 29, 37676-37684.	2.7	21
13	Integrated Nutrient Management for Rice Yield, Soil Fertility, and Carbon Sequestration. <i>Plants</i> , 2022, 11, 138.	1.6	22
14	Nickel tolerance and phytoremediation potential of quinoa are modulated under salinity: multivariate comparison of physiological and biochemical attributes. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1409-1424.	1.8	6
15	Potassium and Humic Acid Synergistically Increase Salt Tolerance and Nutrient Uptake in Contrasting Wheat Genotypes through Ionic Homeostasis and Activation of Antioxidant Enzymes. <i>Plants</i> , 2022, 11, 263.	1.6	18
16	Phytoremediation of nickel by quinoa: Morphological and physiological response. <i>PLoS ONE</i> , 2022, 17, e0262309.	1.1	14
17	Alleviation of temperature stress in maize by integration of foliar applied growth promoting substances and sowing dates. <i>PLoS ONE</i> , 2022, 17, e0260916.	1.1	7
18	Spermine-mediated polyamine metabolism enhances arsenic-stress tolerance in <i>Phaseolus vulgaris</i> by expression of zinc-finger proteins related genes and modulation of mineral nutrient homeostasis and antioxidative system. <i>Environmental Pollution</i> , 2022, 300, 118941.	3.7	26

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19	The Response of <i>Triticum aestivum</i> Treated with Plant Growth Regulators to Acute Day/Night Temperature Rise. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2020-2033.	2.8	6
20	Precision Nitrogen Management in Bt Cotton (<i>Gossypium hirsutum</i>) Improves Seed Cotton Yield and Nitrogen Use Efficiency, and Reduces Nitrous Oxide Emissions. <i>Sustainability</i> , 2022, 14, 2007.	1.6	1
21	Salicylic Acid Improves Nitrogen Fixation, Growth, Yield and Antioxidant Defence Mechanisms in Chickpea Genotypes Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2034-2047.	2.8	29
22	Resistance to NaCl salinity is positively correlated with iron and zinc uptake potential of wheat genotypes. <i>Crop and Pasture Science</i> , 2022, 73, 546-555.	0.7	5
23	Hot and dry: how plants can thrive in future climates. <i>Plant Cell Reports</i> , 2022, 41, 497-499.	2.8	6
24	Zinc Oxide Nanoparticles Interplay With Physiological and Biochemical Attributes in Terminal Heat Stress Alleviation in Mungbean (<i>Vigna radiata</i> L.). <i>Frontiers in Plant Science</i> , 2022, 13, 842349.	1.7	28
25	A Computational Study of the Role of Secondary Metabolites for Mitigation of Acid Soil Stress in Cereals Using Dehydroascorbate and Mono-Dehydroascorbate Reductases. <i>Antioxidants</i> , 2022, 11, 458.	2.2	20
26	Iron Oxide and Silicon Nanoparticles Modulate Mineral Nutrient Homeostasis and Metabolism in Cadmium-Stressed <i>Phaseolus vulgaris</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 806781.	1.7	28
27	Calcium Nanoparticles Impregnated With Benzenedicarboxylic Acid: A New Approach to Alleviate Combined Stress of DDT and Cadmium in <i>Brassica alboglabra</i> by Modulating Bioaccumulation, Antioxidative Machinery and Osmoregulators. <i>Frontiers in Plant Science</i> , 2022, 13, 825829.	1.7	14
28	Influence of Salinity Stress on Color Parameters, Leaf Pigmentation, Polyphenol and Flavonoid Contents, and Antioxidant Activity of <i>Amaranthus lividus</i> Leafy Vegetables. <i>Molecules</i> , 2022, 27, 1821.	1.7	59
29	Balanced Use of Zn, Cu, Fe, and B Improves the Yield and Sucrose Contents of Sugarcane Juice Cultivated in Sandy Clay Loam Soil. <i>Agronomy</i> , 2022, 12, 696.	1.3	2
30	Biochar increases salt tolerance and grain yield of quinoa on saline-sodic soil: multivariate comparison of physiological and oxidative stress attributes. <i>Journal of Soils and Sediments</i> , 2022, 22, 1446-1459.	1.5	15
31	Combined Effect of Animal Manures and Di-Ammonium Phosphate (DAP) on Growth, Physiology, Root Nodulation and Yield of Chickpea. <i>Agronomy</i> , 2022, 12, 674.	1.3	4
32	Interactive effects of hydrogen sulphide and silicon enhance drought and heat tolerance by modulating hormones, antioxidant defence enzymes and redox status in barley (<i>Hordeum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 If 50 217		
33	Integrated use of phosphorus, farmyard manure and biofertilizer improves the yield and phosphorus uptake of black gram in silt loam soil. <i>PLoS ONE</i> , 2022, 17, e0266753.	1.1	3
34	Effect of zinc nanoparticles seed priming and foliar application on the growth and physio-biochemical indices of spinach (<i>Spinacia oleracea</i> L.) under salt stress. <i>PLoS ONE</i> , 2022, 17, e0263194.	1.1	43
35	The Hormetic Effects of a Brassica Water Extract Triggered Wheat Growth and Antioxidative Defense under Drought Stress. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4582.	1.3	5
36	Emerging role of hydrogen sulphide as a signalling molecule in plant biology. <i>Plant Biology</i> , 2022, 24, 521-522.	1.8	0

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37	Deciphering the Potential Role of Symbiotic Plant Microbiome and Amino Acid Application on Growth Performance of Chickpea Under Field Conditions. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	2
38	Tillage, green manure and residue retention improves aggregate-associated phosphorus fractions under rice-wheat cropping. <i>Scientific Reports</i> , 2022, 12, 7167.	1.6	9
39	Iron oxide nanoparticles and selenium supplementation improve growth and photosynthesis by modulating antioxidant system and gene expression of chlorophyll synthase (CHLG) and protochlorophyllide oxidoreductase (POR) in arsenic-stressed <i>Cucumis melo</i> . <i>Environmental Pollution</i> , 2022, 307, 119413.	3.7	27
40	Calcium homeostasis and potential roles in combatting environmental stresses in plants. <i>South African Journal of Botany</i> , 2022, 148, 683-693.	1.2	31
41	Nitrogen and potassium application effects on productivity, profitability and nutrient use efficiency of irrigated wheat (<i>Triticum aestivum</i> L.). <i>PLoS ONE</i> , 2022, 17, e0264210.	1.1	12
42	Mulching impact of <i>Jatropha curcas</i> L. leaves on soil fertility and yield of wheat under water stress. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
43	Silicon fertilization counteracts salinity-induced damages associated with changes in physio-biochemical modulations in spinach. <i>PLoS ONE</i> , 2022, 17, e0267939.	1.1	4
44	On-farm hydro and nutri-priming increases yield of rainfed pearl millet through physio-biochemical adjustments and anti-oxidative defense mechanism. <i>PLoS ONE</i> , 2022, 17, e0265325.	1.1	6
45	Preharvest Foliar Applications of Citric Acid, Gibberellic Acid and Humic Acid Improve Growth and Fruit Quality of 'Le Conte' Pear (<i>Pyrus communis</i> L.). <i>Horticulturae</i> , 2022, 8, 507.	1.2	6
46	Response of Bread Wheat Cultivars Inoculated with <i>Azotobacter</i> Species under Different Nitrogen Application Rates. <i>Sustainability</i> , 2022, 14, 8394.	1.6	13
47	Calcium induced growth, physio-biochemical, antioxidant, osmolyte adjustments and phytoconstituent status in spinach under heat stress. <i>South African Journal of Botany</i> , 2022, 149, 701-711.	1.2	9
48	Calcium and jasmonic acid exhibit synergistic effects in mitigating arsenic stress in tomato seedlings accompanied by antioxidative defense, increased nutrient accumulation and upregulation of glyoxalase system. <i>South African Journal of Botany</i> , 2022, 150, 14-25.	1.2	10
49	Jasmonic acid: a key frontier in conferring abiotic stress tolerance in plants. <i>Plant Cell Reports</i> , 2021, 40, 1513-1541.	2.8	120
50	Priming of tomato seedlings with 2-oxoglutarate induces arsenic toxicity alleviatory responses by involving endogenous nitric oxide. <i>Physiologia Plantarum</i> , 2021, 173, 45-57.	2.6	13
51	Performance of <i>Zea mays</i> L. cultivars in tannery polluted soils: Management of chromium phytotoxicity through the application of biochar and compost. <i>Physiologia Plantarum</i> , 2021, 173, 129-147.	2.6	8
52	Strigolactone (GR24) Induced Salinity Tolerance in Sunflower (<i>Helianthus annuus</i> L.) by Ameliorating Morpho-Physiological and Biochemical Attributes Under In Vitro Conditions. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2079-2091.	2.8	37
53	Effect of Nitric Oxide on Seed Germination and Seedling Development of Tomato Under Chromium Toxicity. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2358-2370.	2.8	39
54	Melatonin-Induced Salinity Tolerance by Ameliorating Osmotic and Oxidative Stress in the Seedlings of Two Tomato (<i>Solanum lycopersicum</i> L.) Cultivars. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2236-2248.	2.8	93

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55	Seed priming with gibberellic acid induces high salinity tolerance in <i>Pisum sativum</i> through antioxidants, secondary metabolites and up-regulation of antiporter genes. <i>Plant Biology</i> , 2021, 23, 113-121.	1.8	24
56	Calcium-hydrogen sulfide crosstalk during K ⁺ -deficient NaCl stress operates through regulation of Na ⁺ /H ⁺ antiport and antioxidative defense system in mung bean roots. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 211-225.	2.8	52
57	Application of soil biofertilizers to a clayey soil contaminated with <i>Sclerotium rolfsii</i> can promote production, protection and nutritive status of <i>Phaseolus vulgaris</i> . <i>Chemosphere</i> , 2021, 271, 129321.	4.2	15
58	Mitigation of arsenate toxicity by indole-3-acetic acid in brinjal roots: Plausible association with endogenous hydrogen peroxide. <i>Journal of Hazardous Materials</i> , 2021, 405, 124336.	6.5	31
59	The Crucial Role of Jasmonates in Enhancing Heavy Metals Tolerance in Plants. <i>Signaling and Communication in Plants</i> , 2021, , 159-183.	0.5	6
60	Phosphorus supplementation modulates nitric oxide biosynthesis and stabilizes the defence system to improve arsenic stress tolerance in mustard. <i>Plant Biology</i> , 2021, 23, 152-161.	1.8	19
61	Cysteine and Hydrogen Sulfide: A Complementary Association for Plant Acclimation to Abiotic Stress. <i>Plant in Challenging Environments</i> , 2021, , 187-214.	0.4	3
62	The Combined Effects of Gibberellic Acid and Rhizobium on Growth, Yield and Nutritional Status in Chickpea (<i>Cicer arietinum</i> L.). <i>Agronomy</i> , 2021, 11, 105.	1.3	33
63	Deciphering the Potential of Bioactivated Rock Phosphate and Di-Ammonium Phosphate on Agronomic Performance, Nutritional Quality and Productivity of Wheat (<i>Triticum aestivum</i> L.). <i>Agronomy</i> , 2021, 11, 684.	1.3	5
64	Exogenous Potassium (K ⁺) Positively Regulates Na ⁺ /H ⁺ Antiport System, Carbohydrate Metabolism, and Ascorbate-Glutathione Cycle in H ₂ S-Dependent Manner in NaCl-Stressed Tomato Seedling Roots. <i>Plants</i> , 2021, 10, 948.	1.6	20
65	Comparing the phosphorus use efficiency of pre-treated (organically) rock phosphate with soluble P fertilizers in maize under calcareous soils. <i>PeerJ</i> , 2021, 9, e11452.	0.9	8
66	Effect of the diverse combinations of useful microbes and chemical fertilizers on important traits of potato. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2641-2648.	1.8	14
67	Ascorbate and glutathione independently alleviate arsenate toxicity in brinjal but both require endogenous nitric oxide. <i>Physiologia Plantarum</i> , 2021, 173, 276-286.	2.6	7
68	Association of DNA biosynthesis with planting value enhancement in hydroprimed maize seeds. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2634-2640.	1.8	2
69	Mitigation of bacterial spot disease induced biotic stress in <i>Capsicum annuum</i> L. cultivars via antioxidant enzymes and isoforms. <i>Scientific Reports</i> , 2021, 11, 9445.	1.6	15
70	Growth Responses, Physiological Alterations and Alleviation of Salinity Stress in Sunflower (<i>Helianthus annuus</i> L.) Amended with Gypsum and Composted Cow Dung. <i>Sustainability</i> , 2021, 13, 6792.	1.6	8
71	Hydrogen sulfide (H ₂ S) and potassium (K ⁺) synergistically induce drought stress tolerance through regulation of H ⁺ -ATPase activity, sugar metabolism, and antioxidative defense in tomato seedlings. <i>Plant Cell Reports</i> , 2021, 40, 1543-1564.	2.8	39
72	Exogenous melatonin-mediated regulation of K ⁺ /Na ⁺ transport, H ⁺ -ATPase activity and enzymatic antioxidative defence operate through endogenous hydrogen sulphide signalling in NaCl-stressed tomato seedling roots. <i>Plant Biology</i> , 2021, 23, 797-805.	1.8	35

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73	Arsenic Accumulation in Rice Grain as Influenced by Water Management: Human Health Risk Assessment. <i>Agronomy</i> , 2021, 11, 1741.	1.3	9
74	Exogenous silicon and hydrogen sulfide alleviates the simultaneously occurring drought stress and leaf rust infection in wheat. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 558-571.	2.8	31
75	Molybdenum and hydrogen sulfide synergistically mitigate arsenic toxicity by modulating defense system, nitrogen and cysteine assimilation in faba bean (<i>Vicia faba</i> L.) seedlings. <i>Environmental Pollution</i> , 2021, 290, 117953.	3.7	43
76	Production of Organic Fertilizers from Rocket Seed (<i>Eruca Sativa</i> L.), Chicken Peat and Moringa Oleifera Leaves for Growing Linseed under Water Deficit Stress. <i>Sustainability</i> , 2021, 13, 59.	1.6	14
77	Impact of Metal-Based Nanoparticles on Cambisol Microbial Functionality, Enzyme Activity, and Plant Growth. <i>Plants</i> , 2021, 10, 2080.	1.6	13
78	Comparative Effect of Inoculation of Phosphorus-Solubilizing Bacteria and Phosphorus as Sustainable Fertilizer on Yield and Quality of Mung Bean (<i>Vigna radiata</i> L.). <i>Plants</i> , 2021, 10, 2079.	1.6	9
79	Seed Priming with Mg(NO ₃) ₂ and ZnSO ₄ Salts Triggers the Germination and Growth Attributes Synergistically in Wheat Varieties. <i>Agronomy</i> , 2021, 11, 2110.	1.3	11
80	Synthesis of silver nanoparticles using <i>Plantago lanceolata</i> extract and assessing their antibacterial and antioxidant activities. <i>Scientific Reports</i> , 2021, 11, 20754.	1.6	48
81	Influence of Zinc Oxide Nanoparticles to Regulate the Antioxidants Enzymes, Some Osmolytes and Agronomic Attributes in <i>Coriandrum sativum</i> L. Grown under Water Stress. <i>Agronomy</i> , 2021, 11, 2004.	1.3	18
82	Potential Use of <i>Ascophyllum nodosum</i> as a Biostimulant for Improving the Growth Performance of <i>Vigna aconitifolia</i> (Jacq.) Marechal. <i>Plants</i> , 2021, 10, 2361.	1.6	4
83	Subsurface-Applied Coated Nitrogen Fertilizer Enhanced Wheat Production by Improving Nutrient-Use Efficiency with Less Ammonia Volatilization. <i>Agronomy</i> , 2021, 11, 2396.	1.3	8
84	Integrated Nutrient Management Enhances Productivity and Nitrogen Use Efficiency of Crops in Acidic and Charland Soils. <i>Plants</i> , 2021, 10, 2547.	1.6	13
85	Exogenous Application of Salicylic Acid and Hydrogen Peroxide Ameliorate Cadmium Stress in Milk Thistle by Enhancing Morpho-Physiological Attributes Grown at Two Different Altitudes. <i>Frontiers in Plant Science</i> , 2021, 12, 809183.	1.7	6
86	Exogenous salicylic acid-induced drought stress tolerance in wheat (<i>Triticum aestivum</i> L.) grown under hydroponic culture. <i>PLoS ONE</i> , 2021, 16, e0260556.	1.1	65
87	Potassium-Induced Drought Tolerance of Potato by Improving Morpho-Physiological and Biochemical Attributes. <i>Agronomy</i> , 2021, 11, 2573.	1.3	16
88	Exploring the potential of moringa leaf extract as bio stimulant for improving yield and quality of black cumin oil. <i>Scientific Reports</i> , 2021, 11, 24217.	1.6	13
89	Effect of Zero and Minimum Tillage on Cotton Productivity and Soil Characteristics under Different Nitrogen Application Rates. <i>Sustainability</i> , 2021, 13, 13753.	1.6	11
90	Effect of Plant Spacings on Growth, Physiology, Yield and Fiber Quality Attributes of Cotton Genotypes under Nitrogen Fertilization. <i>Agronomy</i> , 2021, 11, 2589.	1.3	13

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91	Exogenous nitric oxide alleviates sulfur deficiency-induced oxidative damage in tomato seedlings. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 94, 95-107.	1.2	60
92	Nitric oxide is involved in nano-titanium dioxide-induced activation of antioxidant defense system and accumulation of osmolytes under water-deficit stress in <i>Vicia faba</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110152.	2.9	69
93	Histochemical and physicochemical studies reveal improved defense in tomato under Cd stress with rhizobacterial supplementation. <i>Plant and Soil</i> , 2020, 446, 393-411.	1.8	8
94	Silicon-induced postponement of leaf senescence is accompanied by modulation of antioxidative defense and ion homeostasis in mustard (<i>Brassica juncea</i>) seedlings exposed to salinity and drought stress. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 47-59.	2.8	70
95	Crosstalk of hydrogen sulfide and nitric oxide requires calcium to mitigate impaired photosynthesis under cadmium stress by activating defense mechanisms in <i>Vigna radiata</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 156, 278-290.	2.8	84
96	Exogenous nitric oxide requires endogenous hydrogen sulfide to induce the resilience through sulfur assimilation in tomato seedlings under hexavalent chromium toxicity. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 20-34.	2.8	66
97	Dose dependent differential effects of toxic metal cadmium in tomato roots: Role of endogenous hydrogen sulfide. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110978.	2.9	18
98	Ascorbic acid is essential for inducing chromium (VI) toxicity tolerance in tomato roots. <i>Journal of Biotechnology</i> , 2020, 322, 66-73.	1.9	29
99	Synergistic Effect of <i>Bacillus thuringiensis</i> IAGS 199 and Putrescine on Alleviating Cadmium-Induced Phytotoxicity in <i>Capsicum annum</i> . <i>Plants</i> , 2020, 9, 1512.	1.6	31
100	Efficiency of Wheat Straw Biochar in Combination with Compost and Biogas Slurry for Enhancing Nutritional Status and Productivity of Soil and Plant. <i>Plants</i> , 2020, 9, 1516.	1.6	25
101	Polyamine Metabolism, Photorespiration, and Excitation Energy Allocation in Photosystem II Are Potentially Regulatory Hubs in Poplar Adaptation to Soil Nitrogen Availability. <i>Frontiers in Plant Science</i> , 2020, 11, 1271.	1.7	9
102	Full sunlight acclimation mechanisms in <i>Riccia discolor</i> thalli: Assessment at morphological, anatomical, and biochemical levels. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111983.	1.7	0
103	Phosphorus Nutrient Management through Synchronization of Application Methods and Rates in Wheat and Maize Crops. <i>Plants</i> , 2020, 9, 1389.	1.6	45
104	Sustainable Management with Mycorrhizae and Phosphate Solubilizing Bacteria for Enhanced Phosphorus Uptake in Calcareous Soils. <i>Agriculture (Switzerland)</i> , 2020, 10, 334.	1.4	92
105	Enhanced Growth of Mungbean and Remediation of Petroleum Hydrocarbons by <i>Enterobacter</i> sp. MN17 and Biochar Addition in Diesel Contaminated Soil. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8548.	1.3	24
106	Mitigation of Nickel Toxicity and Growth Promotion in Sesame through the Application of a Bacterial Endophyte and Zeolite in Nickel Contaminated Soil. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8859.	1.2	36
107	Silver Nanoparticle Regulates Salt Tolerance in Wheat Through Changes in ABA Concentration, Ion Homeostasis, and Defense Systems. <i>Biomolecules</i> , 2020, 10, 1506.	1.8	73
108	Impact of Coating of Urea with <i>Bacillus</i> -Augmented Zinc Oxide on Wheat Grown under Salinity Stress. <i>Plants</i> , 2020, 9, 1375.	1.6	14

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109	Soil Fertility, N ₂ Fixation and Yield of Chickpea as Influenced by Long-Term Biochar Application under Mungâ€“Chickpea Cropping System. <i>Sustainability</i> , 2020, 12, 9008.	1.6	8
110	Experimental Investigation of <i>Chlorella vulgaris</i> and <i>Enterobacter</i> sp. MN17 for Decolorization and Removal of Heavy Metals from Textile Wastewater. <i>Water (Switzerland)</i> , 2020, 12, 3034.	1.2	46
111	Efficacy of Nanofertilizer, Fulvic Acid and Boron Fertilizer on Sugar Beet (<i>Beta vulgaris</i> L.) Yield and Quality. <i>Sugar Tech</i> , 2020, 22, 782-791.	0.9	31
112	Potentials of organic manure and potassium forms on maize (<i>Zea mays</i> L.) growth and production. <i>Scientific Reports</i> , 2020, 10, 8752.	1.6	38
113	Melatonin and calcium function synergistically to promote the resilience through ROS metabolism under arsenic-induced stress. <i>Journal of Hazardous Materials</i> , 2020, 398, 122882.	6.5	213
114	Exogenous melatonin mitigates boron toxicity in wheat. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110822.	2.9	43
115	Integration of silicon and secondary metabolites in plants: a significant association in stress tolerance. <i>Journal of Experimental Botany</i> , 2020, 71, 6758-6774.	2.4	107
116	Soil Application of Nano Silica on Maize Yield and Its Insecticidal Activity Against Some Stored Insects After the Post-Harvest. <i>Nanomaterials</i> , 2020, 10, 739.	1.9	81
117	Melatonin and Gibberellic Acid Promote Growth and Chlorophyll Biosynthesis by Regulating Antioxidant and Methylglyoxal Detoxification System in Tomato Seedlings Under Salinity. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1488-1502.	2.8	55
118	Nitric oxide-mediated regulation of sub-cellular chromium distribution, ascorbateâ€“glutathione cycle and glutathione biosynthesis in tomato roots under chromium (VI) toxicity. <i>Journal of Biotechnology</i> , 2020, 318, 68-77.	1.9	28
119	Seed germination ecology of <i>Conyza stricta</i> Willd. and implications for management. <i>PLoS ONE</i> , 2020, 15, e0244059.	1.1	4
120	Nitric oxide-mediated cross-talk of proline and heat shock proteins induce thermotolerance in <i>Vicia faba</i> L.. <i>Environmental and Experimental Botany</i> , 2019, 161, 290-302.	2.0	57
121	Oxidative stress mitigation and initiation of antioxidant and osmoprotectant responses mediated by ascorbic acid in <i>Brassica juncea</i> L. subjected to copper (II) stress. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109436.	2.9	47
122	Microbial Fortification Improved Photosynthetic Efficiency and Secondary Metabolism in <i>Lycopersicon esculentum</i> Plants Under Cd Stress. <i>Biomolecules</i> , 2019, 9, 581.	1.8	28
123	Evaluation of the role of Rhizobacteria in controlling root knot nematode (RKN) infection in <i>Lycopersicon esculentum</i> plants by modulation in the secondary metabolite profiles. <i>AoB PLANTS</i> , 2019, , .	1.2	19
124	Exogenous Melatonin Counteracts NaCl-Induced Damage by Regulating the Antioxidant System, Proline and Carbohydrates Metabolism in Tomato Seedlings. <i>International Journal of Molecular Sciences</i> , 2019, 20, 353.	1.8	145
125	Jasmonic acid application triggers detoxification of lead (Pb) toxicity in tomato through the modifications of secondary metabolites and gene expression. <i>Chemosphere</i> , 2019, 235, 734-748.	4.2	96
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129	Role of P-type ATPase metal transporters and plant immunity induced by jasmonic acid against Lead (Pb) toxicity in tomato. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 283-294.	2.9	49
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132	Hydrogen Sulfide-Mediated Activation of O-Acetylserine (Thiol) Lyase and l/d-Cysteine Desulphydrase Enhance Dehydration Tolerance in <i>Eruca sativa</i> Mill. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3981.	1.8	52
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140	Response of Different Genotypes of Faba Bean Plant to Drought Stress. <i>International Journal of Molecular Sciences</i> , 2015, 16, 10214-10227.	1.8	139
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143	Morphological and physiological characterization of different genotypes of faba bean under heat stress. <i>Saudi Journal of Biological Sciences</i> , 2015, 22, 656-663.	1.8	82
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