

Ayman El Sabagh

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153 papers	1,099 citations	15 h-index	23 g-index
176 ext. papers	1,848 ext. citations	2.9 avg, IF	5.19 L-index

#	Paper	IF	Citations
153	Copper-induced oxidative stress, initiation of antioxidants and phytoremediation potential of flax (<i>Linum usitatissimum</i> L.) seedlings grown under the mixing of two different soils of China. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 5211-5221	5.1	69
152	Consequences and Mitigation Strategies of Abiotic Stresses in Wheat (<i>Triticum aestivum</i> L.) under the Changing Climate. <i>Agronomy</i> , 2021 , 11, 241	3.6	45
151	EFFECTS OF DROUGHT STRESS ON THE QUALITY OF MAJOR OILSEED CROPS: IMPLICATIONS AND POSSIBLE MITIGATION STRATEGIES [A REVIEW]. <i>Applied Ecology and Environmental Research</i> , 2019 , 17, 4019-4043	1.9	37
150	Drought and salinity stress management for higher and sustainable canola (<i>Brassica napus</i> L.) production: a critical review. <i>Australian Journal of Crop Science</i> , 2019 , 13, 88-97	0.5	26
149	Selenium Alleviates the Adverse Effect of Drought in Oilseed Crops Camelina (L.) and Canola (L.). <i>Molecules</i> , 2021 , 26,	4.8	24
148	Nutritional quality of maize in response to drought stress during grain-filling stages in mediterranean climate condition. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2016 , 4, 644-652	0.6	23
147	Salinity Stress in Wheat (<i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , 2021 , 3,	4	22
146	COMPARATIVE PERFORMANCE OF TWO BREAD WHEAT (<i>TRITICUM AESTIVUM</i> L.) GENOTYPES UNDER SALINITY STRESS. <i>Applied Ecology and Environmental Research</i> , 2019 , 17, 5029-5041	1.9	21
145	Supplementing Nitrogen in Combination with Rhizobium Inoculation and Soil Mulch in Peanut (<i>Arachis hypogaea</i> L.) Production System: Part II. Effect on Phenology, Growth, Yield Attributes, Pod Quality, Profitability and Nitrogen Use Efficiency. <i>Agronomy</i> , 2020 , 10, 1513	3.6	21
144	Evaluation of Drought Tolerance of Some Wheat (<i>Triticum aestivum</i> L.) Genotypes through Phenology, Growth, and Physiological Indices. <i>Agronomy</i> , 2021 , 11, 1792	3.6	20
143	Fractionation of Heavy Metals in Multi-Contaminated Soil Treated with Biochar Using the Sequential Extraction Procedure. <i>Biomolecules</i> , 2021 , 11,	5.9	18
142	Crucial Cell Signaling Compounds Crosstalk and Integrative Multi-Omics Techniques for Salinity Stress Tolerance in Plants. <i>Frontiers in Plant Science</i> , 2021 , 12, 670369	6.2	18
141	Sustainable soybean production and abiotic stress management in saline environments: a critical review. <i>Australian Journal of Crop Science</i> , 2019 , 13, 228-236	0.5	17
140	Evaluation of Fourteen Bread Wheat (<i>Triticum aestivum</i> L.) Genotypes by Observing Gas Exchange Parameters, Relative Water and Chlorophyll Content, and Yield Attributes under Drought Stress. <i>Sustainability</i> , 2021 , 13, 4799	3.6	16
139	Characterization of peanut (<i>Arachis hypogaea</i> L.) seed oil and fatty acids composition under different growing season under mediterranean environment. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2016 , 4, 564-571	0.6	15
138	Enhancing Drought Tolerance in Wheat through Improving Morpho- Physiological and Antioxidants Activities of Plants by the Supplementation of Foliar Silicon. <i>Phyton</i> , 2020 , 89, 529-539	2.1	15
137	Modern Biotechnologies: Innovative and Sustainable Approaches for the Improvement of Sugarcane Tolerance to Environmental Stresses. <i>Agronomy</i> , 2021 , 11, 1042	3.6	15

136	Differences in the Growth and Physiological Responses of the Leaves of <i>Peucedanum japonicum</i> and <i>Hordeum vulgare</i> Exposed to Salinity. <i>Agriculture (Switzerland)</i> , 2020 , 10, 317	3	14
135	Ornamental Plant Efficiency for Heavy Metals Phytoextraction from Contaminated Soils Amended with Organic Materials. <i>Molecules</i> , 2021 , 26,	4.8	14
134	Progress in sensory devices of pesticides, pathogens, coronavirus, and chemical additives and hazards in food assessment: Food safety concerns. <i>Progress in Materials Science</i> , 2021 , 124, 100866	42.2	14
133	Lipoic Acid Combined with Melatonin Mitigates Oxidative Stress and Promotes Root Formation and Growth in Salt-Stressed Canola Seedlings (L.). <i>Molecules</i> , 2021 , 26,	4.8	13
132	Chemical and Biological Enhancement Effects of Biochar on Wheat Growth and Yield under Arid Field Conditions. <i>Sustainability</i> , 2021 , 13, 5890	3.6	13
131	Drought and salinity stresses in barley: Consequences and mitigation strategies. <i>Australian Journal of Crop Science</i> , 2019 , 810-820	0.5	12
130	SUSTAINABLE MAIZE (<i>Zea mays</i> L.) PRODUCTION UNDER DROUGHT STRESS BY UNDERSTANDING ITS ADVERSE EFFECT, SURVIVAL MECHANISM AND DROUGHT TOLERANCE INDICES. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2018 , 6, 282-295	0.6	12
129	Genetic Diversity of Selected Rice Genotypes under Water Stress Conditions. <i>Plants</i> , 2020 , 10,	4.5	12
128	Consequences of Salinity Stress on the Quality of Crops and Its Mitigation Strategies for Sustainable Crop Production: An Outlook of Arid and Semi-arid Regions 2020 , 503-533		12
127	Organic Amendments Boost Soil Fertility and Rice Productivity and Reduce Methane Emissions from Paddy Fields under Sub-Tropical Conditions. <i>Sustainability</i> , 2021 , 13, 3103	3.6	12
126	Normalized Difference Vegetation Index and Chlorophyll Content for Precision Nitrogen Management in Durum Wheat Cultivars under Semi-Arid Conditions. <i>Sustainability</i> , 2021 , 13, 3725	3.6	12
125	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. <i>Frontiers in Agronomy</i> , 2021 , 3,	4	12
124	Nutrients Supplementation through Organic Manures Influence the Growth of Weeds and Maize Productivity. <i>Molecules</i> , 2020 , 25,	4.8	11
123	Relationships between stomatal conductance and yield under deficit irrigation in maize (<i>Zea mays</i> L.). <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017 , 5, 014-021	0.6	11
122	Impact of antioxidants supplementation on growth, yield and quality traits of canola (<i>Brassica napus</i> L.) under irrigation intervals in north Nile delta of Egypt. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017 , 5, 163-172	0.6	11
121	Effect of naphthaleneacetic acid on root and plant growth and yield of ten irrigated wheat genotypes. <i>Pakistan Journal of Botany</i> , 2019 , 51,	2	11
120	Biofertilizer-Based Zinc Application Enhances Maize Growth, Gas Exchange Attributes, and Yield in Zinc-Deficient Soil. <i>Agriculture (Switzerland)</i> , 2021 , 11, 310	3	11
119	WHEAT (<i>TRITICUM AESTIVUM</i> L.) PRODUCTION UNDER DROUGHT AND HEAT STRESS [ADVERSE EFFECTS, MECHANISMS AND MITIGATION: A REVIEW. <i>Applied Ecology and Environmental Research</i> , 2019 , 17,	1.9	10

118	Potential Effects of Biochar Application for Improving Wheat (<i>Triticum aestivum</i> L.) Growth and Soil Biochemical Properties under Drought Stress Conditions. <i>Land</i> , 2021 , 10, 1125	3.5	10
117	Drought and Heat Stress in Cotton (<i>Gossypium hirsutum</i> L.): Consequences and Their Possible Mitigation Strategies 2020 , 613-634		10
116	Magnetic Field Treatments Improves Sunflower Yield by Inducing Physiological and Biochemical Modulations in Seeds. <i>Molecules</i> , 2021 , 26,	4.8	10
115	Exogenous Sodium Nitroprusside Mitigates Salt Stress in Lentil (Medik.) by Affecting the Growth, Yield, and Biochemical Properties. <i>Molecules</i> , 2021 , 26,	4.8	10
114	Influence of nitrogen application on dry biomass allocation and translocation in two maize varieties under short pre-anthesis and prolonged bracketing flowering periods of drought. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 928-944	2	10
113	Assessing the Potential of Polymer Coated Urea and Sulphur Fertilization on Growth, Physiology, Yield, Oil Contents and Nitrogen Use Efficiency of Sunflower Crop under Arid Environment. <i>Agronomy</i> , 2021 , 11, 269	3.6	10
112	Impact of mineral fertilizers on mineral nutrients in the ginger rhizome and on soil enzymes activities and soil properties. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 5268-5274	4	10
111	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> ,4,	4	10
110	Evaluation of maize hybrids to terminal drought stress tolerance by defining drought indices. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2016 , 4, 610-616	0.6	9
109	Synchronization of Boron application methods and rates is environmentally friendly approach to improve quality attributes of L. On sustainable basis.. <i>Saudi Journal of Biological Sciences</i> , 2022 , 29, 1869-1880	4	8
108	Enhancing drought tolerance in Camelina sativa L. and Canola napus L. through application of selenium. <i>Pakistan Journal of Botany</i> , 2020 , 52,	2	8
107	Soybean herbage yield, nutritional value and profitability under integrated manures management. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021 , 93, e20181384	1.4	8
106	Yield and quality of two sugar beet (<i>Beta vulgaris</i> L. ssp. <i>vulgaris</i> var. <i>altissima</i> DII) cultivars are influenced by foliar application of salicylic acid, irrigation timing, and planting density. <i>Acta Agriculturae Slovenica</i> , 2020 , 115, 273	1.3	7
105	Sustainable crop production to ensuring food security under climate change: A Mediterranean perspective. <i>Australian Journal of Crop Science</i> , 2020 , 439-446	0.5	7
104	Evaluation of grain yield in fifty-eight spring bread wheat genotypes grown under heat stress. <i>Pakistan Journal of Botany</i> , 2020 , 52,	2	7
103	Comparative study of growth, physiology and yield attributes of camelina (<i>Camelina sativa</i> L.) and canola (<i>Brassica napus</i> L.) under different irrigation regimes. <i>Pakistan Journal of Botany</i> , 2020 , 52,	2	7
102	Interactive Effect of Weeding Regimes, Rice Cultivars, and Seeding Rates Influence the Rice-Weed Competition under Dry Direct-Seeded Condition. <i>Sustainability</i> , 2021 , 13, 317	3.6	7
101	Responses of Water and Pigments Status, Dry Matter Partitioning, Seed Production, and Traits of Yield and Quality to Foliar Application of GA3 in Mungbean (<i>Vigna radiata</i> L.). <i>Frontiers in Agronomy</i> , 2021 , 2,	4	7

100	Consequences and Mitigation Strategies of Heat Stress for Sustainability of Soybean (<i>Glycine max</i> L. Merr.) Production under the Changing Climate		7
99	Effectiveness of Herbicide to Control Rice Weeds in Diverse Saline Environments. <i>Sustainability</i> , 2021 , 13, 2053	3.6	7
98	Supplementing Nitrogen in Combination with Rhizobium Inoculation and Soil Mulch in Peanut (<i>Arachis hypogaea</i> L.) Production System: Part I. Effects on Productivity, Soil Moisture, and Nutrient Dynamics. <i>Agronomy</i> , 2020 , 10, 1582	3.6	6
97	YIELD OF WHEAT IS INCREASED THROUGH IMPROVING THE CHEMICAL PROPERTIES, NUTRIENT AVAILABILITY AND WATER PRODUCTIVITY OF SALT AFFECTED SOILS IN THE NORTH DELTA OF EGYPT. <i>Applied Ecology and Environmental Research</i> , 2019 , 17,	1.9	6
96	Physio-biochemical and molecular characterization for drought tolerance in rice genotypes at early seedling stage. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2016 , 4, 675-687	0.6	6
95	Alterations in Growth and Yield of Camelina Induced by Different Planting Densities under Water Deficit Stress. <i>Phyton</i> , 2020 , 89, 587-597	2.1	6
94	Mitigation of Cadmium Induced Oxidative Stress by Using Organic Amendments to Improve the Growth and Yield of Mash Beans [<i>Vigna mungo</i> (L.)]. <i>Agronomy</i> , 2021 , 11, 2152	3.6	6
93	Mechanisms of Seed Priming Involved in Salt Stress Amelioration 2019 , 219-251		6
92	Optimizing yield and fiber quality of cotton under mediterranean environment: managing nitrogen and potassium nutrition. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2016 , 4, 572-580	0.6	6
91	Yield Response, Nutritional Quality and Water Productivity of Tomato (<i>Solanum lycopersicum</i> L.) are Influenced by Drip Irrigation and Straw Mulch in the Coastal Saline Ecosystem of Ganges Delta, India. <i>Sustainability</i> , 2020 , 12, 6779	3.6	6
90	Foliar applied salicylic acid ameliorates water and salt stress by improving gas exchange and photosynthetic pigments in wheat. <i>Pakistan Journal of Botany</i> , 2021 , 53,	2	6
89	Fourier Transform Infrared Spectroscopy vibrational bands study of <i>Spinacia oleracea</i> and <i>Trigonella corniculata</i> under biochar amendment in naturally contaminated soil. <i>PLoS ONE</i> , 2021 , 16, e0253390	3.7	6
88	Influence of Tillage Systems and Cereals-Legume Mixture on Fodder Yield, Quality and Net Returns under Rainfed Conditions. <i>Sustainability</i> , 2021 , 13, 2172	3.6	6
87	Seed Priming with Sulphydal Thiourea Enhances the Performance of Camelina sativa L. under Heat Stress Conditions. <i>Agronomy</i> , 2021 , 11, 1875	3.6	6
86	Overviewing of weed management practices to reduce weed seed bank and to increase maize yield. <i>Planta Daninha</i> , 38,	0.7	5
85	A comparative study for drought tolerance and yield stability in different genotypes of barley (<i>Hordeum vulgare</i> L.). <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017 , 5, 151-162	0.6	5
84	ROLE OF OSMOPROTECTANTS AND SOIL AMENDMENTS FOR SUSTAINABLE SOYBEAN (<i>Glycine max</i> L.) PRODUCTION UNDER DROUGHT CONDITION: A REVIEW. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2018 , 6, 32-41	0.6	5
83	Chipset Nanosensor Based on N-Doped Carbon Nanobuds for Selective Screening of Epinephrine in Human Samples. <i>Advanced Materials Interfaces</i> , 2101473	4.6	5

82	EVALUATION OF HERBAGE YIELD AND NUTRITIVE VALUE OF EIGHT FORAGE CROP SPECIES. <i>Applied Ecology and Environmental Research</i> , 2019 , 17,	1.9	5
81	Silicon Mitigates the Adverse Effect of Drought in Canola (Brassica napus L.) Through Promoting the Physiological and Antioxidants Activity. <i>Silicon</i> , 2020 , 1	2.4	5
80	Mitigation of Osmotic Stress in Cotton for the Improvement in Growth and Yield through Inoculation of Rhizobacteria and Phosphate Solubilizing Bacteria Coated Diammonium Phosphate. <i>Sustainability</i> , 2020 , 12, 10456	3.6	5
79	Post-Anthesis Mobilization of Stem Assimilates in Wheat under Induced Stress. <i>Sustainability</i> , 2021 , 13, 5940	3.6	5
78	Mitigation of bacterial spot disease induced biotic stress in Capsicum annum L. cultivars via antioxidant enzymes and isoforms. <i>Scientific Reports</i> , 2021 , 11, 9445	4.9	5
77	Rendimiento de la planta de frijol caupí [Vigna unguiculata (L.) Walp] y calidad nutricional en los sistemas de cultivo intercalado de frijol caupí y sorgo. <i>Revista Mexicana De Ciencias Pecuarias</i> , 2021 , 12, 402-418	1.8	5
76	Soybean managēg for maxēze productēn: plant populatēn densēty effects on seed yēld and some agronomēal traits ēn maxē cropped soybean productēn. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017 , 5, 31-37	0.6	4
75	Nutrient Management for Improving Abiotic Stress Tolerance in Legumes of the Family Fabaceae 2020 , 393-415		4
74	Nano-silver and non-traditional compounds mitigate the adverse effects of net blotch disease of barley in correlation with up-regulation of antioxidant enzymes. <i>Pakistan Journal of Botany</i> , 2020 , 52,	2	4
73	Exogenously foliage applied micronutrients efficacious impact on achene yield of sunflower under temperate conditions. <i>Pakistan Journal of Botany</i> , 2020 , 52,	2	4
72	Phenology, growth and yield are strongly influenced by heat stress in late sown mustard (Brassica spp.) varieties. <i>Pakistan Journal of Botany</i> , 2020 , 52,	2	4
71	Sub-Surface Drip Irrigation in Associated with H2O2 Improved the Productivity of Maize under Clay-Rich Soil of Adana, Turkey. <i>Phyton</i> , 2020 , 89, 519-528	2.1	4
70	Oxidative Stress Tolerance Mechanism in Rice under Salinity. <i>Phyton</i> , 2020 , 89, 497-517	2.1	4
69	Sprinkler irrigation uniformity and crop water productivity of barley in arid region. <i>Emirates Journal of Food and Agriculture</i> , 2015 , 27, 770	1	4
68	Pre-sowing seed treatment with kinetin and calcium mitigates salt induced inhibition of seed germination and seedling growth of choysum (Brassica rapa var. parachinensis). <i>Ecotoxicology and Environmental Safety</i> , 2021 , 227, 112921	7	4
67	Adverse Effect of Drought on Quality of Major Cereal Crops: Implications and Their Possible Mitigation Strategies 2020 , 635-658		4
66	Mapping Groundwater Potential for Irrigation, by Geographical Information System and Remote Sensing Techniques: A Case Study of District Lower Dir, Pakistan. <i>Atmosphere</i> , 2021 , 12, 669	2.7	4
65	Sustainable Development of Chitosan/-Based Hydrogels to Stimulate Formation of Granulation Tissue and Angiogenesis in Wound Healing Applications. <i>Molecules</i> , 2021 , 26,	4.8	4

64	CRISPR-Based Genome Editing Tools: Insights into Technological Breakthroughs and Future Challenges. <i>Genes</i> , 2021 , 12,	4.2	4
63	Strip Tillage and Crop Residue Retention Decrease the Size but Increase the Diversity of the Weed Seed Bank under Intensive Rice-Based Crop Rotations in Bangladesh. <i>Agronomy</i> , 2021 , 11, 1164	3.6	4
62	Elevated CO ₂ Concentration Improves Heat-Tolerant Ability in Crops		4
61	Salt Distribution and Potato Response to Irrigation Regimes under Varying Mulching Materials. <i>Plants</i> , 2020 , 9,	4.5	3
60	Biochar Enriched with Buffalo Slurry Improved Soil Nitrogen and Carbon Dynamics, Nutrient Uptake and Growth Attributes of Wheat by Reducing Leaching Losses of Nutrients. <i>Land</i> , 2021 , 10, 1392	3.5	3
59	Effect of nitrogen and sulfur on the quality of the cotton fiber under mediterranean conditions. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2016 , 4, 662-669	0.6	3
58	Enzymeless copper microspheres@carbon sensor design for sensitive and selective acetylcholine screening in human serum. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 210, 112228	6	3
57	EVALUATION OF NEW PROMISING RICE HYBRID AND ITS PARENTAL LINES FOR FLORAL, AGRONOMIC TRAITS AND GENETIC PURITY ASSESSMENT. <i>Pakistan Journal of Agricultural Sciences</i> , 2019 , 56, 567-576	1.5	3
56	Responses of Maize Varieties to Salt Stress in Relation to Germination and Seedling Growth. <i>International Letters of Natural Sciences</i> , 69 , 1-11		3
55	Spatial arrangements and seeding rates influence biomass productivity, nutritional value and economic viability of maize (<i>Zea mays</i> L.). <i>Pakistan Journal of Botany</i> , 2021 , 53,	2	3
54	Morphological, Physiobiochemical and Molecular Adaptability of Legumes of Fabaceae to Drought Stress, with Special Reference to <i>Medicago Sativa</i> L. 2020 , 289-317		3
53	Nitrogen Fixation of Legumes Under the Family Fabaceae: Adverse Effect of Abiotic Stresses and Mitigation Strategies 2020 , 75-111		3
52	Influence of varying nitrogen levels on growth, yield and nitrogen use efficiency of hybrid maize (<i>Zea mays</i>). <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017 , 5, 134-142	0.6	3
51	The Productivity and Nutrient Use Efficiency of RiceRiceBlack Gram Cropping Sequence Are Influenced by Location Specific Nutrient Management. <i>Sustainability</i> , 2021 , 13, 3222	3.6	3
50	Extraction of Essential Oil from River Tea Tree (<i>Melaleuca bracteata</i> F. Muell.): Antioxidant and Antimicrobial Properties. <i>Sustainability</i> , 2021 , 13, 4827	3.6	3
49	Prospective Role of Plant Growth Regulators for Tolerance to Abiotic Stresses 2021 , 1-38		3
48	Phenotypic and Molecular Assessment of Wheat Genotypes Tolerant to Leaf Blight, Rust and Blast Diseases. <i>Phyton</i> , 2021 , 90, 1301-1320	2.1	3
47	Irrigation Rationalization Boosts Wheat (<i>L.</i>) Yield and Reduces Rust Incidence under Arid Conditions. <i>BioMed Research International</i> , 2021 , 2021, 5535399	3	3

46	Strigolactones: A Novel Carotenoid-Derived Phytohormone Biosynthesis, Transporters, Signalling, and Mechanisms in Abiotic Stress 2021 , 275-303		3
45	Maize Adaptability to Heat Stress under Changing Climate		3
44	Evaluation of Resistance Development in Genn. (Homoptera: Aleyrodidae) in Cotton against Different Insecticides. <i>Insects</i> , 2021 , 12,	2.8	2
43	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	3.6	2
42	World Nations Priorities on Climate Change and Food Security 2022 , 365-384		2
41	Flowering Synchronization in Hybrid Rice Parental Lines at Different Sowing Dates. <i>Sustainability</i> , 2021 , 13, 3229	3.6	2
40	Selection of Suitable Potato Genotypes for Late-Sown Heat Stress Conditions Based on Field Performance and Stress Tolerance Indices. <i>Sustainability</i> , 2021 , 13, 2770	3.6	2
39	NaCl Enhance the Growth of Swiss Chard (<i>Beta vulgaris</i> L.) Leaves Under Potassium-Deficient Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 2021 , 21, 1949-1956	3.2	2
38	Preliminary Reports on Comparative Weed Competitiveness of Bangladeshi Monsoon and Winter Rice Varieties under Puddled Transplanted Conditions. <i>Sustainability</i> , 2021 , 13, 5091	3.6	2
37	Establishment of Crops under Minimal Soil Disturbance and Crop Residue Retention in Rice-Based Cropping System: Yield Advantage, Soil Health Improvement, and Economic Benefit. <i>Land</i> , 2021 , 10, 581	3.5	2
36	Evaluation of <i>Jatropha curcas</i> L. leaves mulching on wheat growth and biochemical attributes under water stress. <i>BMC Plant Biology</i> , 2021 , 21, 303	5.3	2
35	Foliar Application of Organic Compounds Stimulate Cotton (<i>Gossypium barbadense</i> L.) to Survive Late Sown Condition. <i>Open Agriculture</i> , 2018 , 3, 684-697	1.4	2
34	Foliar Application of Potassium Mitigates Salinity Stress Conditions in Spinach (<i>Spinacia oleracea</i> L.) through Reducing NaCl Toxicity and Enhancing the Activity of Antioxidant Enzymes. <i>Horticulturae</i> , 2021 , 7, 566	2.5	2
33	Integrated Application of Thiourea and Biochar Improves Maize Growth, Antioxidant Activity and Reduces Cadmium Bioavailability in Cadmium-Contaminated Soil.. <i>Frontiers in Plant Science</i> , 2021 , 12, 809322	6.2	2
32	Climatic Trends of Variable Temperate Environment: A Complete Time Series Analysis during 1980-2020. <i>Atmosphere</i> , 2022 , 13, 749	2.7	2
31	Pod shattering in canola reduced by mitigating drought stress through silicon application and molecular approaches-A review. <i>Journal of Plant Nutrition</i> , 1-28	2.3	1
30	Effect of Biochar and PGPR on the Growth and Nutrients Content of Einkorn Wheat (<i>Triticum monococcum</i> L.) and Post-Harvest Soil Properties. <i>Agronomy</i> , 2021 , 11, 2418	3.6	1
29	Assessment of Water Stress Tolerance in Mungbean Induced by Polyethylene Glycol		1

28	Foliar Potassium Sulfate Application Improved Photosynthetic Characteristics, Water Relations and Seedling Growth of Drought-Stressed Maize. <i>Atmosphere</i> , 2021 , 12, 663	2.7	1
27	Salinity Stress in Maize: Effects of Stress and Recent Developments of Tolerance for Improvement		1
26	Isolation, characterization and purification of Rhizobium strain to enrich the productivity of groundnut (Arachis hypogaea L.). <i>Open Agriculture</i> , 2019 , 4, 400-409	1.4	1
25	Jasmonates and Salicylates: Mechanisms, Transport and Signalling During Abiotic Stress in Plants. <i>Signaling and Communication in Plants</i> , 2021 , 1-29	1	1
24	FOLIAGE APPLIED SILICON AMELIORATES DROUGHT STRESS THROUGH PHYSIO-MORPHOLOGICAL TRAITS, OSMOPROTECTANTS AND ANTIOXIDANT METABOLISM OF CAMELINA (Camelina sativa L.) GENOTYPES. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2021 , 20, 43-57	1.6	1
23	Managing Greenhouse Gas Emission 2022 , 547-564		1
22	Effect of Short-Term Zero Tillage and Legume Intercrops on Soil Quality, Agronomic and Physiological Aspects of Cotton under Arid Climate. <i>Land</i> , 2022 , 11, 289	3.5	1
21	Methyl Jasmonate Alleviated the Adverse Effects of Cadmium Stress in Pea (L.): A Nexus of Photosystem II Activity and Dynamics of Redox Balance.. <i>Frontiers in Plant Science</i> , 2022 , 13, 860664	6.2	1
20	Comparative Analysis of Rice and Weeds and Their Nutrient Partitioning under Various Establishment Methods and Weed Management Practices in Temperate Environment. <i>Agronomy</i> , 2022 , 12, 816	3.6	1
19	Physiochemical Changes of Mung Bean [Vigna radiata (L.) R. Wilczek] in Responses to Varying Irrigation Regimes. <i>Horticulturae</i> , 2021 , 7, 565	2.5	1
18	Adaptation Strategies to Improve the Resistance of Oilseed Crops to Heat Stress Under a Changing Climate: An Overview.. <i>Frontiers in Plant Science</i> , 2021 , 12, 767150	6.2	1
17	Alterations of Oxidative Stress Indicators, Antioxidant Enzymes, Soluble Sugars, and Amino Acids in Mustard [(L.) Czern and Coss.] in Response to Varying Sowing Time, and Field Temperature.. <i>Frontiers in Plant Science</i> , 2022 , 13, 875009	6.2	1
16	Response of Rice (Oryza sativa L.) Cultivars to Variable Rate of Nitrogen under Wet Direct Seeding in Temperate Ecology. <i>Sustainability</i> , 2022 , 14, 638	3.6	0
15	Prospects of beneficial microbes as a natural resource for sustainable legumes production under changing climate 2022 , 29-56		0
14	Rendering Multivariate Statistical Models for Genetic Diversity Assessment in A-Genome Diploid Wheat Population. <i>Agronomy</i> , 2021 , 11, 2339	3.6	0
13	Climate Change and Global Rice Security 2022 , 13-26		0
12	The Use of Soil Conditioners to Ensure a Sustainable Wheat Yield under Water Deficit Conditions by Enhancing the Physiological and Antioxidant Potentials. <i>Land</i> , 2022 , 11, 368	3.5	0
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