

The Critical Role of Potassium in Plant Stress Response

International Journal of Molecular Sciences

14, 7370-7390

DOI: [10.3390/ijms14047370](https://doi.org/10.3390/ijms14047370)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Phytochemical and Morphological Attributes of St. John's Wort (<i>Hypericum perforatum</i>) Affected by Organic and Inorganic Fertilizers; Humic Acid and Potassium Sulphate. <i>Notulae Scientia Biologicae</i> , 2014, 6, 326-330.	0.1	2
2	Alleviation of Water Stress Effects on MR220 Rice by Application of Periodical Water Stress and Potassium Fertilization. <i>Molecules</i> , 2014, 19, 1795-1819.	1.7	35
3	Effects of potassium application and soil moisture on the growth of <i>Corymbia citriodora</i> plants. <i>Cerne</i> , 2014, 20, 645-651.	0.9	11
4	Effect of Potassium Sulphate on the Growth and Uptake of Nutrients in Wheat (<i>Triticum aestivum</i> L.) Under Salt Stressed Conditions. <i>Journal of Agricultural Science</i> , 2014, 6, .	0.1	8
5	Strategies for Improving Potassium Use Efficiency in Plants. <i>Molecules and Cells</i> , 2014, 37, 575-584.	1.0	60
6	Molecular cloning and expression analysis of a gene encoding KUP/HAK/KT-type potassium uptake transporter from <i>Cryptomeria japonica</i> . <i>Trees - Structure and Function</i> , 2014, 28, 1527-1537.	0.9	4
7	Membrane transporters mediating root signalling and adaptive responses to oxygen deprivation and soil flooding. <i>Plant, Cell and Environment</i> , 2014, 37, 2216-2233.	2.8	130
8	Physiological basis of salt stress tolerance in rice expressing the antiapoptotic gene <i>SfiAP</i> . <i>Functional Plant Biology</i> , 2014, 41, 1168.	1.1	24
9	Effects of potassium and sodium supply on drought adaptive mechanisms in <i>Eucalyptus grandis</i> plantations. <i>New Phytologist</i> , 2014, 203, 401-413.	3.5	92
10	Potassium in agriculture – Status and perspectives. <i>Journal of Plant Physiology</i> , 2014, 171, 656-669.	1.6	725
11	Drought Tolerance: Role of Organic Osmolytes, Growth Regulators, and Mineral Nutrients. , 2014, , 25-55.		85
13	Linking oxygen availability with membrane potential maintenance and K^+ retention of barley roots: implications for waterlogging stress tolerance. <i>Plant, Cell and Environment</i> , 2014, 37, 2325-2338.	2.8	45
14	Drought enhances folivory by shifting foliar metabolomes in <i>Quercus ilex</i> trees. <i>New Phytologist</i> , 2014, 202, 874-885.	3.5	81
15	Arbuscular Mycorrhiza in Crop Improvement under Environmental Stress. , 2014, , 69-95.		52
16	Predisposition in Plant Disease: Exploiting the Nexus in Abiotic and Biotic Stress Perception and Response. <i>Annual Review of Phytopathology</i> , 2014, 52, 517-549.	3.5	188
17	Measured and modeled interactive effects of potassium deficiency and water deficit on gross primary productivity and light use efficiency in <i>Eucalyptus grandis</i> plantations. <i>Global Change Biology</i> , 2015, 21, 2022-2039.	4.2	49
18	Edaphic, structural and physiological contrasts across Amazon Basin forest-savanna ecotones suggest a role for potassium as a key modulator of tropical woody vegetation structure and function. <i>Biogeosciences</i> , 2015, 12, 6529-6571.	1.3	55
19	Root Associated <i>Bacillus</i> sp. Improves Growth, Yield and Zinc Translocation for Basmati Rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT/Overl	1.5	110

#	ARTICLE	IF	CITATIONS
20	Labile Organic Matter in Soil Solution: II. Separation and Identification of Metabolites from Plant-Microbial Communication in Soil Solutions of Wheat Rhizospheres. SSSA Special Publication Series, 0, , 173-193.	0.2	10
21	Responses to Environmental Stress in Plants Adapted to Mediterranean Gypsum Habitats. Notulae Scientia Biologicae, 2015, 7, 37-44.	0.1	3
22	Responses to Environmental Stress in Plants Adapted to Mediterranean Gypsum Habitats. Notulae Scientia Biologicae, 2015, 7, .	0.1	4
23	Influence of soil composition on the major, minor and trace metal content of Velebit biomedical plants. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 153-158.	1.4	18
24	Potassium: a neglected nutrient in global change. Global Ecology and Biogeography, 2015, 24, 261-275.	2.7	354
25	Microbial phytase activity and their role in organic P mineralization. Archives of Agronomy and Soil Science, 2015, 61, 751-766.	1.3	57
26	Potassium induces positive changes in nitrogen metabolism and antioxidant system of oat (<i>Avena) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	99
27	Model of Cation Transportation Mediated by High-Affinity Potassium Transporters (HKTs) in Higher Plants. Biological Procedures Online, 2015, 17, 1.	1.4	55
28	Comprehensive meta-analysis, co-expression, and miRNA nested network analysis identifies gene candidates in citrus against Huanglongbing disease. BMC Plant Biology, 2015, 15, 184.	1.6	51
29	RICE RESEARCH TO BREAK YIELD BARRIERS. Cosmos, 2015, 11, 37-54.	0.4	3
30	K⁺ retention in leaf mesophyll, an overlooked component of salinity tolerance mechanism: A case study for barley. Journal of Integrative Plant Biology, 2015, 57, 171-185.	4.1	132
31	Biostimulants and crop responses: a review. Biological Agriculture and Horticulture, 2015, 31, 1-17.	0.5	375
32	Farmers knowledge, attitude and perceptions on the use of locally available plant material to prevent rodent damage to maize crop in Eastern Tanzania. African Journal of Agricultural Research Vol Pp, 2016, 11, 4902-4910.	0.2	2
33	Nutrition in tomato (<i>Solanum lycopersicum</i> L) as affected by light: revealing a new role of phytochrome A. Australian Journal of Crop Science, 2016, 10, 331-335.	0.1	12
34	Cell Wall Biomolecular Composition Plays a Potential Role in the Host Type II Resistance to Fusarium Head Blight in Wheat. Frontiers in Microbiology, 2016, 7, 910.	1.5	33
35	Mycorrhizal Symbiotic Efficiency on C3 and C4 Plants under Salinity Stress â€“ A Meta-Analysis. Frontiers in Microbiology, 2016, 7, 1246.	1.5	47
36	Improvement of Salinity Stress Tolerance in Rice: Challenges and Opportunities. Agronomy, 2016, 6, 54.	1.3	177
37	The Interactions of Aquaporins and Mineral Nutrients in Higher Plants. International Journal of Molecular Sciences, 2016, 17, 1229.	1.8	86

#	ARTICLE	IF	CITATIONS
38	Distinguishing Astragalus mongholicus and Its Planting Soil Samples from Different Regions by ICP-AES. <i>Molecules</i> , 2016, 21, 482.	1.7	13
39	A Potential Role of Flag Leaf Potassium in Conferring Tolerance to Drought-Induced Leaf Senescence in Barley. <i>Frontiers in Plant Science</i> , 2016, 7, 206.	1.7	38
40	Guava Waste to Sustain Guava (<i>Psidium guajava</i>) Agroecosystem: Nutrient "Balance" Concepts. <i>Frontiers in Plant Science</i> , 2016, 7, 1252.	1.7	15
41	Molecular Cloning and Functional Analysis of a Na ⁺ -Insensitive K ⁺ Transporter of <i>Capsicum chinense</i> Jacq. <i>Frontiers in Plant Science</i> , 2016, 7, 1980.	1.7	9
42	Calcium and potassium contents in nutrient solution on Phoma leaf spot intensity in coffee seedlings. <i>Revista Ceres</i> , 2016, 63, 486-491.	0.1	6
43	Potassium-Solubilizing Microorganisms: Mechanism and Their Role in Potassium Solubilization and Uptake. , 2016, , 203-219.		69
44	Potassium and Its Role in Sustainable Agriculture. , 2016, , 235-253.		76
45	Influence of pre-harvest calcium, potassium and triazole application on the proteome of apple at harvest. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 4984-4993.	1.7	8
46	Uncoupling of sodium and chloride to assist breeding for salinity tolerance in crops. <i>New Phytologist</i> , 2016, 210, 145-156.	3.5	50
47	Management of Valsa Canker on Apple with Adjustments to Potassium Nutrition. <i>Plant Disease</i> , 2016, 100, 884-889.	0.7	26
48	Halophilic Bacteria: Potential Bioinoculants for Sustainable Agriculture and Environment Management Under Salt Stress. , 2016, , 297-325.		5
49	Response of wheat growth and productivity to exogenous polyamines under lead stress. <i>Journal of Crop Science and Biotechnology</i> , 2016, 19, 363-371.	0.7	29
50	Regulation of ion homeostasis by aminolevulinic acid in salt-stressed wheat seedlings. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
51	Natural variation in primary root growth and K ⁺ retention in roots of habanero pepper (<i>Capsicum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.1	11
52	Distribution of coniferin in freeze-fixed stem of <i>Ginkgo biloba</i> L. by cryo-TOF-SIMS/SEM. <i>Scientific Reports</i> , 2016, 6, 31525.	1.6	42
53	Potassium enhances frost tolerance in young individuals of three tropical dry forest species from Mexico. <i>Functional Plant Biology</i> , 2016, 43, 461.	1.1	7
54	Beneficial effects of potassium application in improving submergence tolerance of rice (<i>Oryza sativa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	12
55	Physiological mechanisms to cope with Cr(VI) toxicity in lettuce: can lettuce be used in Cr phytoremediation?. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15627-15637.	2.7	20

#	ARTICLE	IF	CITATIONS
56	Interactive effects of grapevine leafroll-associated virus 3 (GLRaV-3) and water stress on the physiology of <i>Vitis vinifera</i> L. cv. Malvasia de Banyalbufar and Giro-Ros. <i>Journal of Plant Physiology</i> , 2016, 196-197, 106-115.	1.6	16
57	Oxidative defense metabolites induced by salinity stress in roots of <i>Salicornia herbacea</i> . <i>Journal of Plant Physiology</i> , 2016, 206, 133-142.	1.6	26
58	Effect of moderate high temperature on the vegetative growth and potassium allocation in olive plants. <i>Journal of Plant Physiology</i> , 2016, 207, 22-29.	1.6	27
60	Metabolomics to Detect Response of Lettuce (<i>Lactuca sativa</i>) to Cu(OH) ₂ Nanopesticides: Oxidative Stress Response and Detoxification Mechanisms. <i>Environmental Science & Technology</i> , 2016, 50, 9697-9707.	4.6	170
61	Identification and Characterization of Salt Tolerance of Wheat Germplasm Using a Multivariable Screening Approach. <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 472-485.	1.7	128
62	A Potassium-Dependent Oxygen Sensing Pathway Regulates Plant Root Hydraulics. <i>Cell</i> , 2016, 167, 87-98.e14.	13.5	72
63	Adequate supply of potassium improves plant water-use efficiency but not leaf water-use efficiency of spring wheat. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 733-745.	1.1	30
65	Unmanned aerial vehicle canopy reflectance data detects potassium deficiency and green peach aphid susceptibility in canola. <i>Precision Agriculture</i> , 2016, 17, 659-677.	3.1	61
66	Manipulation of Programmed Cell Death Pathways Enhances Osmotic Stress Tolerance in Plants: Physiological and Molecular Insights. , 2016, , 439-464.		3
67	Efficiency of Potassium Fertilization and Salicylic Acid on Yield and Nutrient Accumulation of Sugar Beet Grown on Saline Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 1184-1192.	0.6	18
68	K ⁺ Uptake, H ⁺ -ATPase pumping activity and Ca ²⁺ efflux mechanism are involved in drought tolerance of barley. <i>Environmental and Experimental Botany</i> , 2016, 129, 57-66.	2.0	43
69	External potassium (K ⁺) application improves salinity tolerance by promoting Na ⁺ -exclusion, K ⁺ -accumulation and osmotic adjustment in contrasting peanut cultivars. <i>Plant Physiology and Biochemistry</i> , 2016, 103, 143-153.	2.8	114
70	Waterlogging and submergence stress: affects and acclimation. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 956-966.	5.1	84
71	Seasonal variation of plant-parasitic nematodes and relationship with nutritional and growth properties of sugarcane plantations. <i>Tropical Plant Pathology</i> , 2017, 42, 132-136.	0.8	3
72	Challenging the potassium deficiency hypothesis for induction of the ripening disorder berry shrivel in grapevine. <i>Scientia Horticulturae</i> , 2017, 216, 141-147.	1.7	11
73	Rice Production in the Americas. , 2017, , 137-168.		17
74	A barley mutant with improved salt tolerance through ion homeostasis and ROS scavenging under salt stress. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	13
75	Review "trace determination of potentially toxic elements in (medicinal) plant materials. <i>Analytical Methods</i> , 2017, 9, 1550-1574.	1.3	25

#	ARTICLE	IF	CITATIONS
76	<scp>NO₃</scp>^{â}, <scp>PO₄³</scp>^{â} and <scp>SO₄²</scp>^{â} deprivation reduced <scp>LKT1</scp>^{â}-mediated lowâaffinity K⁺ uptake and <scp>SKOR</scp>^{â}-mediated K⁺ translocation in tomato and Arabidopsis plants. <i>Physiologia Plantarum</i> , 2017, 160, 410-424.	2.6	38
77	Overexpression of SbAP37 in rice alleviates concurrent imposition of combination stresses and modulates different sets of leaf protein profiles. <i>Plant Cell Reports</i> , 2017, 36, 773-786.	2.8	11
78	Both heavy metal-amendment of soil and aphid-infestation increase Cd and Zn concentrations in phloem exudates of a metal-hyperaccumulating plant. <i>Phytochemistry</i> , 2017, 139, 109-117.	1.4	32
79	Vascular plant species richness and composition in two types of postâcultivation tropical secondary forest. <i>Applied Vegetation Science</i> , 2017, 20, 692-701.	0.9	5
80	Title: Potassium application regulates nitrogen metabolism and osmotic adjustment in cotton () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50 30-38.	1.6	122
81	Biomass remobilization in two common bean (<i>Phaseolus vulgaris</i> L.) cultivars under water restriction. <i>South African Journal of Botany</i> , 2017, 112, 79-88.	1.2	13
82	Postharvest UV-C treatment for extending shelf life and improving nutritional quality of African indigenous leafy vegetables. <i>Postharvest Biology and Technology</i> , 2017, 129, 107-117.	2.9	43
83	The receptor-like pseudokinase MRH1 interacts with the voltage-gated potassium channel AKT2. <i>Scientific Reports</i> , 2017, 7, 44611.	1.6	25
84	Quantitative limitations to photosynthesis in K deficient sunflower and their implications on water-use efficiency. <i>Journal of Plant Physiology</i> , 2017, 209, 20-30.	1.6	83
85	Potassium-induced freezing tolerance is associated with endogenous abscisic acid, polyamines and soluble sugars changes in grapevine. <i>Scientia Horticulturae</i> , 2017, 215, 184-194.	1.7	37
86	Moderate to severe water limitation differentially affects the phenome and ionome of Arabidopsis. <i>Functional Plant Biology</i> , 2017, 44, 94.	1.1	35
87	Probiotic Microbiome: Potassium Solubilization and Plant Productivity. , 2017, , 451-467.		0
88	Effect of potassium application in drought-stressed tobacco (<i>Nicotiana rustica</i> L.) plants: Comparison of root with foliar application. <i>Annals of Agricultural Sciences</i> , 2017, 62, 121-130.	1.1	64
89	Role of Nutrients in Controlling the Plant Diseases in Sustainable Agriculture. , 2017, , 217-262.		34
90	Effects of olive root warming on potassium transport and plant growth. <i>Journal of Plant Physiology</i> , 2017, 218, 182-188.	1.6	14
91	Optimal planting density and sowing date can improve cotton yield by maintaining reproductive organ biomass and enhancing potassium uptake. <i>Field Crops Research</i> , 2017, 214, 164-174.	2.3	60
92	The role of potassium on maize leaf carbon exportation under drought condition. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	24
93	Plant growth under water/salt stress: ROS production; antioxidants and significance of added potassium under such conditions. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 731-744.	1.4	306

#	ARTICLE	IF	CITATIONS
94	Activation-tagging in indica rice identifies a novel transcription factor subunit, NF-YC13 associated with salt tolerance. <i>Scientific Reports</i> , 2017, 7, 9341.	1.6	33
95	Mineral composition of <i>Tamarindus indica</i> LINN (tamarind) pulp and seeds from different agro-ecological zones of Uganda. <i>Food Science and Nutrition</i> , 2017, 5, 959-966.	1.5	18
96	Dead or Alive? Using Membrane Failure and Chlorophyll Fluorescence to Predict Plant Mortality from Drought. <i>Plant Physiology</i> , 2017, 175, 223-234.	2.3	70
97	A fungal endophyte consortium counterbalances the negative effects of reduced nitrogen input on the yield of field-grown spring barley. <i>Journal of Agricultural Science</i> , 2017, 155, 1324-1331.	0.6	9
98	Moderate salinity improves stomatal functioning in rose plants grown at high relative air humidity. <i>Environmental and Experimental Botany</i> , 2017, 143, 1-9.	2.0	6
99	Essential Plant Nutrients and Recent Concepts about their Uptake. , 2017, , 3-36.		12
100	Distribution of salicifoline in freeze-fixed stems of <i>Magnolia kobus</i> as observed by cryo-TOF-SIMS. <i>Scientific Reports</i> , 2017, 7, 5939.	1.6	6
101	Response at Genetic, Metabolic, and Physiological Levels of Maize (<i>Zea mays</i>) Exposed to a Cu(OH) ₂ Nanopesticide. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8294-8301.	3.2	70
102	Salinity source alters mineral composition and metabolism of <i>Cichorium spinosum</i> . <i>Environmental and Experimental Botany</i> , 2017, 141, 113-123.	2.0	35
103	Exogenously Applied 24-Epibrassinolide (EBL) Ameliorates Detrimental Effects of Salinity by Reducing K ⁺ Efflux via Depolarization-Activated K ⁺ Channels. <i>Plant and Cell Physiology</i> , 2017, 58, 802-810.	1.5	48
104	Plant beneficial rhizospheric microorganism (PBRM) strategies to improve nutrients use efficiency: A review. <i>Ecological Engineering</i> , 2017, 107, 8-32.	1.6	199
105	Ecological fitness of brown planthopper, <i>Nilaparvata lugens</i> (Stål), to rice nutrient management. <i>Ecological Processes</i> , 2017, 6, .	1.6	17
106	Activation of antioxidant and detoxification gene expression in cucumber plants exposed to a Cu(OH) ₂ nanopesticide. <i>Environmental Science: Nano</i> , 2017, 4, 1750-1760.	2.2	52
107	Cold stress increases salt tolerance of the extremophytes <i>Eutrema salsugineum</i> (Thellungiella) Tj ETQq1 1 0.784314 rgBT /Overlock 107	1.6	10
108	Salt-stress and plant hormone-like responses for selective reactions of esterified xanthophylls in the aerial microalga <i>Coelastrella</i> sp. KGU-Y002. <i>Journal of Applied Phycology</i> , 2017, 29, 115-122.	1.5	15
109	Salicylic acid confers salt tolerance in potato plants by improving water relations, gaseous exchange, antioxidant activities and osmoregulation. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 1868-1875.	1.7	45
110	Characterizing Clinoptilolite Zeolite and Hydroaluminosilicate Aggregates for Ammonium Removal from Stormwater Runoff. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	0.7	8
111	Heavy metal (hyper)accumulation in leaves of <i>Arabidopsis halleri</i> is accompanied by a reduced performance of herbivores and shifts in leaf glucosinolate and element concentrations. <i>Environmental and Experimental Botany</i> , 2017, 133, 78-86.	2.0	56

#	ARTICLE	IF	CITATIONS
112	The effects of potassium nutrition on water use in field-grown maize (<i>Zea mays</i> L.). <i>Environmental and Experimental Botany</i> , 2017, 134, 62-71.	2.0	57
113	Effect of silica ions and nano silica on rice plants under salinity stress. <i>Ecological Engineering</i> , 2017, 99, 282-289.	1.6	172
114	Effect of ellagic acid on growth and physiology of canola (<i>Brassica napus</i> L.) under saline conditions. <i>Journal of Plant Interactions</i> , 2017, 12, 520-525.	1.0	12
115	Potassium-modulated physiological performance of mango plants infected by <i>Ceratocystis fimbriata</i> . <i>Bragantia</i> , 2017, 76, 521-535.	1.3	2
116	Seaweed Extracts Enhance Salam Turfgrass Performance during Prolonged Irrigation Intervals and Saline Shock. <i>Frontiers in Plant Science</i> , 2017, 8, 830.	1.7	88
117	Potassium in the Grape (<i>Vitis vinifera</i> L.) Berry: Transport and Function. <i>Frontiers in Plant Science</i> , 2017, 8, 1629.	1.7	107
118	Dancing with Hormones: A Current Perspective of Nitrate Signaling and Regulation in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 1697.	1.7	85
119	Cell-Based Phenotyping Reveals QTL for Membrane Potential Maintenance Associated with Hypoxia and Salinity Stress Tolerance in Barley. <i>Frontiers in Plant Science</i> , 2017, 8, 1941.	1.7	29
120	Dead Pericarps of Dry Fruits Function as Long-Term Storage for Active Hydrolytic Enzymes and Other Substances That Affect Germination and Microbial Growth. <i>Plants</i> , 2017, 6, 64.	1.6	18
121	Alleviating Salt Stress in Barley by Use of Plant Growth Stimulants and Potassium Sulfate. <i>Journal of Agricultural Science</i> , 2017, 9, 136.	0.1	5
122	Screening of Date Palm (<i>Phoenix dactylifera</i> L.) Cultivars for Salinity Tolerance. <i>Forests</i> , 2017, 8, 136.	0.9	42
123	Integrating Classical with Emerging Concepts for Better Understanding of Salinity Stress Tolerance Mechanisms in Rice. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	16
124	Changes in N, K, and Fatty Acid Composition of Black Cumin Seeds Affected by Nitrogen Doses under Supplemental Potassium Application. <i>Journal of Chemistry</i> , 2017, 2017, 1-7.	0.9	8
125	Optimization of potassium fertilization/nutrition for growth, physiological development, essential oil composition and antioxidant activity of <i>Lavandula angustifolia</i> Mill. <i>Journal of Soil Science and Plant Nutrition</i> , 2017, , 0-0.	1.7	26
126	Nutritional Efficiency of Eucalyptus Clones Under Water Stress. <i>Revista Brasileira De Ciencia Do Solo</i> , 2017, 41, .	0.5	10
127	In vitro cultivation of purple basil <i>Ocimum basilicum</i> L. "red rubin"™ at different levels of salts, charcoal, sucrose and potassium iodine. <i>Australian Journal of Crop Science</i> , 2017, 11, 1137-1145.	0.1	13
128	Foliar elemental profiles in the ultramafic flora of Kinabalu Park (Sabah, Malaysia). <i>Ecological Research</i> , 2018, 33, 659-674.	0.7	31
129	Severity of <i>Xanthomonas axonopodis</i> leaf blight on eucalypt cuttings under different levels of nutrients. <i>Forest Pathology</i> , 2018, 48, e12412.	0.5	0

#	ARTICLE	IF	CITATIONS
130	Studies on lead and cadmium toxicity in <i>Dianthus carthusianorum</i> calamine ecotype cultivated in vitro. <i>Plant Biology</i> , 2018, 20, 474-482.	1.8	35
131	New Amphiphilic Composite for Preparing Efficient Coated Potassium-Fertilizers for Top-Dressing Fertilization of Annual Crops. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4787-4799.	2.4	4
132	Functioning of potassium and magnesium in photosynthesis, photosynthate translocation and photoprotection. <i>Physiologia Plantarum</i> , 2018, 163, 414-431.	2.6	327
133	Influence of F1 hybridization on the metal uptake behaviour of pine trees (<i>Pinus nigra</i> x <i>Pinus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T. <i>Plant Biology</i> , 2018, 48, 190-195.	1.5	9
134	Single-Gene Versus Multigene Transfer Approaches for Crop Salt Tolerance. , 2018, , 359-379.		1
135	Plant potassium nutrition in ectomycorrhizal symbiosis: properties and roles of the three fungal TOK potassium channels in <i>Hebeloma cylindrosporum</i> . <i>Environmental Microbiology</i> , 2018, 20, 1873-1887.	1.8	26
136	Yerba mate: Nutrient levels and quality of the beverage depending on the harvest season. <i>Journal of Food Composition and Analysis</i> , 2018, 69, 1-6.	1.9	11
137	Impact of nitrogen supply on leaf water relations and physiological traits in a set of potato (<i>Solanum tuberosum</i> L.) cultivars under drought stress. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 359-374.	1.7	13
138	Effect of phosphogypsum application and bacteria co-inoculation on biochemical properties and nutrient availability to maize plants in a saline soil. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 1394-1406.	1.3	26
139	The ability to regulate voltage-gated K ⁺ -permeable channels in the mature root epidermis is essential for waterlogging tolerance in barley. <i>Journal of Experimental Botany</i> , 2018, 69, 667-680.	2.4	30
140	Diterpenoid fingerprints in pine foliage across an environmental and chemotypic matrix: Isoabienol content is a key trait differentiating chemotypes. <i>Phytochemistry</i> , 2018, 147, 80-88.	1.4	7
141	Morphophysiological and nutritional characteristics of <i>Crambe abyssinica</i> Hochst under hydric restriction in different phenological stages. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	2
142	Biochemical composition and antioxidant activity affected by spraying potassium sulfate in black grape (<i>Vitis vinifera</i> L. cv. <i>Rasha</i>). <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5632-5638.	1.7	16
143	Potassium Uptake and Homeostasis in Plants Grown Under Hostile Environmental Conditions, and Its Regulation by CBL-Interacting Protein Kinases. , 2018, , 137-158.		0
144	Epichloa fungal endophyte colonisation and seed quality in developing grass florets – effect of different fertiliser applications. <i>New Zealand Journal of Agricultural Research</i> , 2018, 61, 27-41.	0.9	3
145	Biochemical and physiological responses to long-term <i>Citrus tristeza virus</i> infection in Mexican lime plants. <i>Plant Pathology</i> , 2018, 67, 987-994.	1.2	10
146	Decreased potassium fertilization is associated with increased pathogen growth and disease severity caused by <i>Acidovorax citrulli</i> in melon foliage. <i>Journal of General Plant Pathology</i> , 2018, 84, 27-34.	0.6	2
147	Quantitative mapping of elements in basil leaves (<i>Ocimum basilicum</i>) based on cesium concentration and growth period using laser ablation ICP-MS. <i>Chemosphere</i> , 2018, 190, 368-374.	4.2	19

#	ARTICLE	IF	CITATIONS
148	Shift in physiological and biochemical processes in wheat supplied with zinc and potassium under saline condition. <i>Journal of Plant Nutrition</i> , 2018, 41, 19-28.	0.9	27
149	Effects of acute salt stress on modulation of gene expression in a Malaysian salt-tolerant indigenous rice variety, Bajong. <i>Journal of Plant Research</i> , 2018, 131, 191-202.	1.2	8
150	Role of fig rootstock on changes of water status and nutrient concentrations in "Sabz"™ cultivar under drought stress condition. <i>Scientia Horticulturae</i> , 2018, 230, 56-61.	1.7	9
151	NPK could alleviate the adverse effects of simulated acid rain in sunflower (<i>Helianthus annuus</i> L.). <i>Journal of Plant Nutrition</i> , 2018, 41, 584-595.	0.9	3
152	Cooperation between arbuscular mycorrhizal fungi and earthworms promotes the physiological adaptation of maize under a high salt stress. <i>Plant and Soil</i> , 2018, 423, 125-140.	1.8	30
153	Leaf, canopy and agronomic water-use efficiency of field-grown sugar beet in response to potassium fertilization. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 99-110.	1.7	17
154	Yield, Quality, Antioxidants and Elemental Composition of New Leek Cultivars under Greenhouse Organic or Conventional System. <i>Horticulturae</i> , 2018, 4, 39.	1.2	22
155	Soil Fertility Assessment and Mapping of Regional Agricultural Research Station, Parwanipur, Bara, Nepal. <i>Journal of Nepal Agricultural Research Council</i> , 2018, 4, 33-47.	0.3	5
156	Biometric Responses of Soybean to Different Potassium Fertilization Management Practices in Years with High and Low Precipitation. <i>Revista Brasileira De Ciencia Do Solo</i> , 2018, 42, .	0.5	7
157	The influence of Waterlogging Period on Yield and Yield Components of Mungbean (<i>Vigna) Tj ETQq1 1 0.784314 rgBT /Overlo	0.3	3
158	Cryo-TOF-SIMS Visualization of Water-Soluble Compounds in Plants. <i>ACS Symposium Series</i> , 2018, , 137-150.	0.5	4
159	Differences in morphology and sugar content of purple sweet potato (<i>Ipomoea batatas</i>L.) with potassium treatment at several altitudes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 122, 012050.	0.2	2
160	Stress Physiology of Tea in the Face of Climate Change. , 2018, , .		12
161	Coping with drought: stress and adaptive mechanisms, and management through cultural and molecular alternatives in cotton as vital constituents for plant stress resilience and fitness. <i>Biological Research</i> , 2018, 51, 47.	1.5	126
162	The Dead Can Nurture: Novel Insights into the Function of Dead Organs Enclosing Embryos. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2455.	1.8	18
163	Physiological Mechanism and Nutrient Management Strategies for Flood Tolerance in Rice Grown in Lowland Flood Prone Ecosystem. <i>Journal of Crop Science and Biotechnology</i> , 2018, 21, 321-331.	0.7	4
164	Genome-Wide Identification and Analysis of HAK/KUP/KT Potassium Transporters Gene Family in Wheat (<i>Triticum aestivum</i> L.). <i>International Journal of Molecular Sciences</i> , 2018, 19, 3969.	1.8	55
165	Screening for Salt Tolerance in Four Local Varieties of <i>Phaseolus lunatus</i> from Spain. <i>Agriculture (Switzerland)</i> , 2018, 8, 201.	1.4	11

#	ARTICLE	IF	CITATIONS
166	Calcium and Potassium Imbalance Favours Leaf Blight and Defoliation Caused by <i>Calonectria pteridis</i> in <i>Eucalyptus</i> Plants. <i>Forests</i> , 2018, 9, 782.	0.9	8
167	Leaf-level photosynthetic capacity dynamics in relation to soil and foliar nutrients along forest-savanna boundaries in Ghana and Brazil. <i>Tree Physiology</i> , 2018, 38, 1912-1925.	1.4	23
168	Out in the Cold: Identification of Genomic Regions Associated With Cold Tolerance in the Biocontrol Fungus <i>Clonostachys rosea</i> Through Genome-Wide Association Mapping. <i>Frontiers in Microbiology</i> , 2018, 9, 2844.	1.5	33
169	Nutrient Deficiency and Abundance in Tea Plants: Metabolism to Productivity. , 2018, , 173-215.		3
170	Incidence and severity of maize streak disease: The influence of tillage, fertilizer application and maize variety. <i>African Journal of Agricultural Research Vol Pp</i> , 2018, 13, 551-560.	0.2	4
171	Quantitative trait loci (QTL) for salinity tolerance traits in interspecific hybrids of <i>Eucalyptus</i> . <i>Indian Journal of Plant Physiology</i> , 2018, 23, 822-832.	0.8	3
172	Physiology of Paluma guava plants fertilized with potassium and calcium. <i>Idesia</i> , 2018, , 0-0.	0.1	0
173	Trichomes and naphthoquinones protect <i>Streptocarpus dunnii</i> Hook.f. against environmental stresses. <i>South African Journal of Botany</i> , 2018, 119, 193-202.	1.2	5
174	Thermal Stress Impacts on Reproductive Development and Grain Yield in Grain Legumes. <i>Journal of Plant Biology</i> , 2018, 61, 265-291.	0.9	17
175	Effects of non-uniform root zone salinity on growth, ion regulation, and antioxidant defense system in two alfalfa cultivars. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 434-444.	2.8	21
176	Differential physiological responses of Tunisian wild grapevines (<i>Vitis vinifera</i> L. subsp. <i>sylvestris</i>) to NaCl salt stress. <i>Revista Brasileira De Botanica</i> , 2018, 41, 795-804.	0.5	7
177	Drought Tolerance Mechanisms in Plants: Physiological Responses Associated with Water Deficit Stress in <i>Solanum lycopersicum</i> . <i>Advances in Crop Science and Technology</i> , 2018, 06, .	0.4	38
178	The influence of urban stress factors on responses of ground cover vegetation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36194-36206.	2.7	9
179	Multivariate analysis on the distribution of elements in plants. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	28
180	Influence of various concentrations of 24-epibrassinolide on the kinetic parameters during isothermal dehydration of two maize hybrids. <i>South African Journal of Botany</i> , 2018, 119, 69-79.	1.2	4
181	Feeding the Palm. <i>Advances in Agronomy</i> , 2018, 152, 149-243.	2.4	19
182	Plant Growth, Antioxidative Enzymes, Lipid Peroxidation and Organic Solute Contents in Mulungu Seedlings (<i>Erythrina velutina</i>) Under Different Field Capacities. <i>Journal of Agricultural Science</i> , 2018, 10, 443.	0.1	1
183	Ecosystem functions including soil organic carbon, total nitrogen and available potassium are crucial for vegetation recovery. <i>Scientific Reports</i> , 2018, 8, 7607.	1.6	41

#	ARTICLE	IF	CITATIONS
184	Sugar beet extract acts as a natural bio-stimulant for physio-biochemical attributes in water stressed wheat (<i>Triticum aestivum</i> L.). <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	50
185	Effects of potassium fertilisation on late potato blight and yield - short communication. <i>Plant Protection Science</i> , 2018, 54, 87-91.	0.7	5
186	Water availability influences accumulation and allocation of nutrients and metals in short-rotation poplar plantation. <i>Biomass and Bioenergy</i> , 2018, 116, 151-160.	2.9	8
187	Increased leaching and addition of amendments improve the properties of seawater-neutralized bauxite residue as a growth medium. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25476-25485.	2.7	6
188	Root and cell hydraulic conductivity, apoplastic barriers and aquaporin gene expression in barley (<i>Hordeum vulgare</i> L.) grown with low supply of potassium. <i>Annals of Botany</i> , 2018, 122, 1131-1141.	1.4	27
189	Native bacteria promote plant growth under drought stress condition without impacting the rhizomicrobiome. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	54
190	Optimized potassium nutrition improves plant-water-relations of barley under PEG-induced osmotic stress. <i>Plant and Soil</i> , 2018, 430, 23-35.	1.8	29
191	Potassium-induced plant resistance against soybean cyst nematode via root exudation of phenolic acids and plant pathogen-related genes. <i>PLoS ONE</i> , 2018, 13, e0200903.	1.1	28
192	Physiological and Metabolic Responses Triggered by Omeprazole Improve Tomato Plant Tolerance to NaCl Stress. <i>Frontiers in Plant Science</i> , 2018, 9, 249.	1.7	67
193	Silicon Improves Chilling Tolerance During Early Growth of Maize by Effects on Micronutrient Homeostasis and Hormonal Balances. <i>Frontiers in Plant Science</i> , 2018, 9, 420.	1.7	90
194	Zinc oxide nanoparticles-mediated changes in ultrastructure and macromolecules of pomegranate callus cells. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 135, 247-261.	1.2	12
195	Amelioration in Growth and Physiological Efficiency of Sunflower (<i>Helianthus annuus</i> L.) under Drought by Potassium Application. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2291-2300.	0.6	8
196	Maintenance of mesophyll potassium and regulation of plasma membrane H ⁺ -ATPase are associated with physiological responses of tea plants to drought and subsequent rehydration. <i>Crop Journal</i> , 2018, 6, 611-620.	2.3	53
197	Effects of Ambient Ozone on Soybean Biophysical Variables and Mineral Nutrient Accumulation. <i>Remote Sensing</i> , 2018, 10, 562.	1.8	14
198	Potassium: A Vital Regulator of Plant Responses and Tolerance to Abiotic Stresses. <i>Agronomy</i> , 2018, 8, 31.	1.3	408
199	Root growth, water uptake, and sap flow of winter wheat in response to different soil water conditions. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2449-2470.	1.9	44
200	Iron, magnesium, nitrogen and potassium deficiency symptom discrimination by reflectance spectroscopy in grapevine leaves. <i>Scientia Horticulturae</i> , 2018, 241, 152-159.	1.7	33
201	Adaptation to Water Stress in Soybean: Morphology to Genetics. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
202	An Evaluation of the Use of Calcium, Potassium and Silicon for the Management of <i>Diaphorina citri</i> Populations in Tahiti Lime Trees. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2018, 46, 546-552.	0.5	10
203	It is not all about sodium: revealing tissue specificity and signalling roles of potassium in plant responses to salt stress. <i>Plant and Soil</i> , 2018, 431, 1-17.	1.8	245
204	Stakeholdersâ€™ Perceptions of Agronomic Iodine Biofortification: A SWOT-AHP Analysis in Northern Uganda. <i>Nutrients</i> , 2018, 10, 407.	1.7	16
205	Role of Plant Nutrients in Plant Growth and Physiology. , 2018, , 51-93.		13
206	Molecular Approaches to Nutrient Uptake and Cellular Homeostasis in Plants Under Abiotic Stress. , 2018, , 525-590.		6
207	Role of Potassium in Governing Photosynthetic Processes and Plant Yield. , 2018, , 191-203.		10
208	Co-occurrence patterns between plant-parasitic nematodes and arbuscular mycorrhizal fungi are driven by environmental factors. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 54-61.	2.5	17
209	Genome-Wide Analysis of Potassium Transport-Related Genes in Chickpea (<i>Cicer arietinum</i> L.) and Their Role in Abiotic Stress Responses. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 451-468.	1.0	29
210	Nutrient and drought stress: implications for phenology and biomass quality in miscanthus. <i>Annals of Botany</i> , 2019, 124, 553-566.	1.4	19
211	How potassium deficiency alters flower bud retention on cotton (<i>Gossypium hirsutum</i> L.). <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 521-536.	1.3	9
212	Use of Potassium Fertilization to Ameliorate the Adverse Effects of Saline-sodic Stress Condition (EC _w : SAR _w Levels) in Rice (<i>Oryza Sativa</i> L.). <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 1975-1985.	0.6	10
213	Testing salt stress on aquatic plants: effect of salt source and substrate. <i>Aquatic Ecology</i> , 2019, 53, 325-334.	0.7	10
214	Metals in pine needles: characterisation of bio-indicators depending on species. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4339-4346.	1.8	26
215	Soilâ€™Microbesâ€™Plants: Interactions and Ecological Diversity. , 2019, , 145-176.		5
216	Molecular and Hormonal Aspects of Drought-Triggered Flower Shedding in Yellow Lupine. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3731.	1.8	20
217	Association benefits between harvester termites (<i>Trinervitermes trinervoides</i>) and num-num plants (<i>Carissa bispinosa</i>) in a semi-arid savanna setting. <i>Journal of Arid Environments</i> , 2019, 171, 104005.	1.2	5
218	Optimizing the NPK application in white mustard (<i>Sinapis alba</i> L.) under an arid climate in Punjab, Pakistan. <i>Journal of Plant Nutrition</i> , 2019, 42, 1556-1565.	0.9	4
219	Effect of Maturation Degree on the Fixed Oil Chemical Composition, Phenolic Compounds, Mineral Nutrients and Antioxidant Properties of <i>Pistacia lentiscus</i> L. Fruits. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2019, 47, .	0.5	1

#	ARTICLE	IF	CITATIONS
220	Hydroponic Technologies. , 2019, , 77-110.		50
221	Sensitive to Proton Rhizotoxicity ¹ Regulates Salt and Drought Tolerance of <i>Arabidopsis thaliana</i> through Transcriptional Regulation of CIPK23. <i>Plant and Cell Physiology</i> , 2019, 60, 2113-2126.	1.5	35
222	Is triose phosphate utilization involved in the feedback inhibition of photosynthesis in rice under conditions of sink limitation?. <i>Journal of Experimental Botany</i> , 2019, 70, 5773-5785.	2.4	44
223	Potassium Fertilization Affects Alfalfa Forage Yield, Nutritive Value, Root Traits, and Persistence. <i>Agronomy Journal</i> , 2019, 111, 2843-2852.	0.9	25
225	Response of Medical Cannabis (<i>Cannabis sativa</i> L.) Genotypes to K Supply Under Long Photoperiod. <i>Frontiers in Plant Science</i> , 2019, 10, 1369.	1.7	37
227	Microscopic distribution of syringin in freeze-fixed <i>Syringa vulgaris</i> stems. <i>Plant Direct</i> , 2019, 3, e00155.	0.8	8
228	Potassium in Root Growth and Development. <i>Plants</i> , 2019, 8, 435.	1.6	110
229	Improved Accumulation Capabilities of Phosphorus and Potassium in Green Manures and Its Relationship with Soil Properties and Enzymatic Activities. <i>Agronomy</i> , 2019, 9, 708.	1.3	13
230	Phosphorus, nitrogen and potassium nutrition on <i>Calonectria</i> leaf blight in eucalypt plants. <i>Forest Pathology</i> , 2019, 49, e12561.	0.5	2
231	The Ability to Regulate Transmembrane Potassium Transport in Root Is Critical for Drought Tolerance in Barley. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4111.	1.8	29
232	Potential role of kaolin or potassium sulfate as anti-transpirant on improving physiological, biochemical aspects and yield of wheat plants under different watering regimes. <i>Bulletin of the National Research Centre</i> , 2019, 43, .	0.7	22
233	Depthprofile distribution of Cs and its toxicity for canola plants grown on arid rainfed soils as affected by increasing K-inputs. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109529.	2.9	6
234	Efficacy of plant growth promoting bacteria <i>Bacillus amyloliquefaciens</i> B9601-Y2 for biocontrol of southern corn leaf blight. <i>Biological Control</i> , 2019, 139, 104080.	1.4	48
235	Mapping LUCAS topsoil chemical properties at European scale using Gaussian process regression. <i>Geoderma</i> , 2019, 355, 113912.	2.3	148
236	The effect of potassium and humic acid applications on yield and nutrient contents of wheat (<i>Triticum aestivum</i> L. var. Delfii) with same soil properties. <i>Journal of Plant Nutrition</i> , 2019, 42, 2757-2772.	0.9	28
237	Influence of short-term macronutrient deprivation in maize on photosynthetic characteristics, transpiration and pigment content. <i>Scientific Reports</i> , 2019, 9, 14181.	1.6	27
238	Mesophyll cells' ability to maintain potassium is correlated with drought tolerance in tea (<i>Camellia</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10</i>	2.8	27
239	Physiochemical properties of petunia edible flowers grown under saline conditions and their postharvest performance under modified atmosphere packaging and ethanol application. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3644-3652.	1.7	10

#	ARTICLE	IF	CITATIONS
240	Early maturing Bt cotton requires more potassium fertilizer under water deficiency to augment seed-cotton yield but not lint quality. <i>Scientific Reports</i> , 2019, 9, 7378.	1.6	24
241	Ameliorative effects of potassium on drought-induced decreases in fiber length of cotton (<i>Gossypium</i>) Tj ETQq1 1 0.784314 rgBT /Ovshd 619-634.	2.3	30
242	Plant traits and species interactions along gradients of N, P and K availabilities. <i>Functional Ecology</i> , 2019, 33, 1611-1626.	1.7	26
243	Foliar application of betaine improves water-deficit stress tolerance in barley (<i>Hordeum vulgare</i> L.). <i>Plant Growth Regulation</i> , 2019, 89, 109-118.	1.8	22
244	Soil-Plant-Microbe Interactions in Salt-affected Soils. , 2019, , 203-235.		5
245	Chemical analysis of <i>Tanacetum corymbosum</i> (L.) Sch. Bip. using neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 349-354.	0.7	5
246	Species tolerance degree to soil conditions shaping plant communities. <i>Folia Geobotanica</i> , 2019, 54, 199-210.	0.4	7
247	Nutritional status of soils from KwaZulu-Natal modulate symbiotic interactions and plant performance in <i>Vigna unguiculata</i> L. (Walp). <i>Applied Soil Ecology</i> , 2019, 142, 1-7.	2.1	9
248	Identification of Salt and Drought Biochemical Stress Markers in Several <i>Silene vulgaris</i> Populations. <i>Sustainability</i> , 2019, 11, 800.	1.6	19
249	Evaluating the effects of formulated nano-NPK slow release fertilizer composite on the performance and yield of maize, kale and capsicum. <i>Annals of Agricultural Sciences</i> , 2019, 64, 9-19.	1.1	48
250	Biochemical, Physiological and Anatomical Mechanisms of Adaptation of <i>Callistemon citrinus</i> and <i>Viburnum lucidum</i> to NaCl and CaCl ₂ Salinization. <i>Frontiers in Plant Science</i> , 2019, 10, 742.	1.7	28
251	Straw Return with Reduced Nitrogen Fertilizer Maintained Maize High Yield in Northeast China. <i>Agronomy</i> , 2019, 9, 229.	1.3	22
252	Does fertilization impact production risk and yield stability across an entire crop rotation? Insights from a long-term experiment. <i>Field Crops Research</i> , 2019, 238, 82-92.	2.3	17
253	The influence of water and nutrient management on oil palm yield trends on a large-scale plantation in Ghana. <i>Agricultural Water Management</i> , 2019, 221, 377-387.	2.4	8
254	Ectomycorrhizal symbiosis helps plants to challenge salt stress conditions. <i>Mycorrhiza</i> , 2019, 29, 291-301.	1.3	40
255	Wood and water: How trees modify wood development to cope with drought. <i>Plants People Planet</i> , 2019, 1, 346-355.	1.6	31
256	Alleviation of Cadmium Stress in Wheat by Polyamines. , 2019, , 463-496.		5
257	Photosynthetic characteristics of boll subtending leaves are substantially influenced by applied K to N ratio under the new planting model for cotton in the Yangtze River Valley. <i>Field Crops Research</i> , 2019, 237, 43-52.	2.3	21

#	ARTICLE	IF	CITATIONS
258	The impact of salinity on paddy production and possible varietal portfolio transition: a Vietnamese case study. <i>Paddy and Water Environment</i> , 2019, 17, 771-782.	1.0	8
259	Amelioration of the Oxidative Stress Generated by Simple or Combined Abiotic Stress through the K ⁺ and Ca ²⁺ Supplementation in Tomato Plants. <i>Antioxidants</i> , 2019, 8, 81.	2.2	49
260	Land Cover and Soil Properties Influence on Forage Quantity in a Semiarid Region in East Africa. <i>Applied and Environmental Soil Science</i> , 2019, 2019, 1-15.	0.8	9
261	Increased nutrient availability decreases insect resistance in cranberry. <i>Agricultural and Forest Entomology</i> , 2019, 21, 326-335.	0.7	26
262	Which Selective Logging Intensity is Most Suitable for the Maintenance of Soil Properties and the Promotion of Natural Regeneration in Highly Continental Scots Pine Forests? Results 19 Years after Harvest Operations in Mongolia. <i>Forests</i> , 2019, 10, 141.	0.9	11
263	Water shortage reduces silicon uptake in barley leaves. <i>Agricultural Water Management</i> , 2019, 217, 47-56.	2.4	17
264	Expression of the high-affinity K ⁺ transporter 1 (PpHKT1) gene from almond rootstock "Nemaguard"™ improved salt tolerance of transgenic Arabidopsis. <i>PLoS ONE</i> , 2019, 14, e0214473.	1.1	15
265	Growth and nutrition of cowpea (<i>Vigna unguiculata</i>) under water deficit as influenced by microbial inoculation via seed coating. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 447-459.	1.7	27
266	Barley and spelt differ in leaf silicon content and other leaf traits. <i>Biologia (Poland)</i> , 2019, 74, 929-939.	0.8	2
267	Role of Mineral Nutrients in Abiotic Stress Tolerance. , 2019, , 269-285.		15
268	Long-term field study on stabilization of contaminated wastes by growing clonally reproduced <i>Silene vulgaris</i> calamine ecotype. <i>Plant and Soil</i> , 2019, 439, 431-445.	1.8	8
269	Potassium mediates coordination of leaf photosynthesis and hydraulic conductance by modifications of leaf anatomy. <i>Plant, Cell and Environment</i> , 2019, 42, 2231-2244.	2.8	51
270	Learning from the soil's memory: Tailoring of fertilizer application based on past manure applications increases fertilizer use efficiency and crop productivity on Kenyan smallholder farms. <i>European Journal of Agronomy</i> , 2019, 105, 52-61.	1.9	27
271	Proteomic Analysis of the Effect of Inorganic and Organic Chemicals on Silver Nanoparticles in Wheat. <i>International Journal of Molecular Sciences</i> , 2019, 20, 825.	1.8	42
272	Nafion-modified Carbon Based Sensor for Soil Potassium Detection. <i>Electroanalysis</i> , 2019, 31, 813-819.	1.5	12
273	Developing a high-throughput phenotyping method for oxidative stress tolerance in barley roots. <i>Plant Methods</i> , 2019, 15, 12.	1.9	16
274	The effect of vanadium on essential element uptake of <i>Setaria viridis</i> ' seedlings. <i>Journal of Environmental Management</i> , 2019, 237, 399-407.	3.8	33
275	The ideal percentage of K substitution by Na in Eucalyptus seedlings: Evidences from leaf carbon isotopic composition, leaf gas exchanges and plant growth. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 102-112.	2.8	21

#	ARTICLE	IF	CITATIONS
276	Advances in Endophytic Fungal Research. <i>Fungal Biology</i> , 2019, , .	0.3	15
277	Biodiversity of Endophytic Fungi from Diverse Niches and Their Biotechnological Applications. <i>Fungal Biology</i> , 2019, , 105-144.	0.3	125
278	Sources and concentrations of silicon modulate the physiological and anatomical responses of <i>Aechmea blanchetiana</i> (Bromeliaceae) during in vitro culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 137, 397-410.	1.2	20
279	Enhancing Rice Production by Potassium Management: Recommended Reasonable Fertilization Strategies in Different Inherent Soil Productivity Levels for a Sustainable Rice Production System. <i>Sustainability</i> , 2019, 11, 6522.	1.6	6
280	Salt Stress Reduced the Seedling Growth of Two Larch Species Under Elevated Ozone. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	5
281	The Importance of Cl ⁻ Exclusion and Vacuolar Cl ⁻ Sequestration: Revisiting the Role of Cl ⁻ Transport in Plant Salt Tolerance. <i>Frontiers in Plant Science</i> , 2019, 10, 1418.	1.7	56
282	Gypsum Amendment to Soil and Plants Affected by Sodic Alkaline Industrial Wastewater Irrigation in Urban Agriculture of Ouagadougou, Burkina Faso. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	5
283	The combination of K ⁺ deficiency with other environmental stresses: What is the outcome?. <i>Physiologia Plantarum</i> , 2019, 165, 264-276.	2.6	48
284	Morpho-anatomical, physiological and biochemical adaptive responses to saline water of <i>Bougainvillea spectabilis</i> Willd. trained to different canopy shapes. <i>Agricultural Water Management</i> , 2019, 212, 12-22.	2.4	78
285	The physiological responses of cacao to the environment and the implications for climate change resilience. A review. <i>Agronomy for Sustainable Development</i> , 2019, 39, 1.	2.2	101
286	Mepiquat chloride effects on potassium acquisition and functional leaf physiology as well as lint yield in highly dense late-sown cotton. <i>Industrial Crops and Products</i> , 2019, 129, 142-155.	2.5	23
287	Responses of the Colorado Potato Beetle (Coleoptera: Chrysomelidae) to the Chemical Composition of Potato Plant Foliage. <i>Potato Research</i> , 2019, 62, 157-173.	1.2	7
288	The synergistic effects of sodium and potassium on the xerophyte <i>Apocynum venetum</i> in response to drought stress. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 489-498.	2.8	29
289	The effect of bulb weight on salinity tolerance of three common <i>Narcissus</i> cultivars. <i>Scientia Horticulturae</i> , 2019, 248, 62-69.	1.7	3
290	Valorization of olive pomace by a green integrated approach applying sustainable extraction and membrane-assisted concentration. <i>Science of the Total Environment</i> , 2019, 652, 40-47.	3.9	48
291	Physiological and biochemical attributes of <i>Mentha spicata</i> when subjected to saline conditions and cation foliar application. <i>Journal of Plant Physiology</i> , 2019, 232, 27-38.	1.6	24
292	Impact of leaf infestation by herbivorous insects on the elemental uptake of citrus trees. <i>Journal of Plant Diseases and Protection</i> , 2019, 126, 67-76.	1.6	0
293	Potassium deficiency aggravates yield loss in rice by restricting the translocation of non-structural carbohydrates under <i>Sarocladium oryzae</i> infection condition. <i>Physiologia Plantarum</i> , 2019, 167, 352-364.	2.6	13

#	ARTICLE	IF	CITATIONS
294	Responses to K deficiency and waterlogging interact via respiratory and nitrogen metabolism. <i>Plant, Cell and Environment</i> , 2019, 42, 647-658.	2.8	32
295	Phytoremediation of nutrient overloaded soil by rice mill wastewater using <i>Amaranthus palmeri</i> and <i>Sorghum vulgare</i> . <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 354-361.	1.3	2
296	Potassium application alleviates grain sterility and increases yield of wheat (<i>Triticum aestivum</i>) in frost-prone Mediterranean-type climate. <i>Plant and Soil</i> , 2019, 434, 203-216.	1.8	13
297	Monitoring leaf potassium content using hyperspectral vegetation indices in rice leaves. <i>Precision Agriculture</i> , 2020, 21, 324-348.	3.1	42
298	Organically grown outdoor tomato: fruit mineral nutrients and plant infection by <i>Phytophthora infestans</i> . <i>Organic Agriculture</i> , 2020, 10, 125-134.	1.2	4
299	Effect of potassium deficiency on growth, antioxidants, ionome and metabolism in rapeseed under drought stress. <i>Plant Growth Regulation</i> , 2020, 90, 455-466.	1.8	26
300	The Importance of Nutrient Management for Potato Production Part II: Plant Nutrition and Tuber Quality. <i>Potato Research</i> , 2020, 63, 121-137.	1.2	60
301	Contrasting patterns of tree species mixture effects on wood $\delta^{13}C$ along an environmental gradient. <i>European Journal of Forest Research</i> , 2020, 139, 229-245.	1.1	7
302	Do plants respond and recover from a combination of drought and heatwave in the same manner under adequate and deprived soil nutrient conditions?. <i>Plant Science</i> , 2020, 291, 110333.	1.7	7
303	Protective effect of potassium and chitosan supply on growth, physiological processes and antioxidative machinery in sunflower (<i>Helianthus annuus</i> L.) under drought stress. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109841.	2.9	51
304	Potassium Requirements for Pinot noir Grapevines. <i>American Journal of Enology and Viticulture</i> , 2020, 71, 33-43.	0.9	6
305	Daily osmotic adjustments in stem may be good predictors of water stress intensity in poplar. <i>Plant Physiology and Biochemistry</i> , 2020, 146, 13-22.	2.8	8
306	Evaluation of potassium application on tomato performance and rhizosphere bacterial communities under negative pressure irrigation of greenhouse-grown. <i>Journal of Plant Nutrition</i> , 2020, 43, 317-326.	0.9	11
307	Synergistic association of endophytic fungi enhances <i>Glycine max</i> L. resilience to combined abiotic stresses: Heavy metals, high temperature and drought stress. <i>Industrial Crops and Products</i> , 2020, 143, 111931.	2.5	120
308	Nutrient use efficiency (NUE) for sustainable wheat production: a review. <i>Journal of Plant Nutrition</i> , 2020, 43, 297-315.	0.9	76
309	Relative Potassium Ratio Balanced the Carbon-Nitrogen Assimilation in Cotton Leaf Under Reducing Nitrogen Application. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 761-774.	1.7	8
310	Enhancement of endogenous SA accumulation improves poor-nutrition stress tolerance in transgenic tobacco plants overexpressing a SA-binding protein gene. <i>Plant Science</i> , 2020, 292, 110384.	1.7	5
311	Identification of Naturally Occurring Polyamines as Root-Knot Nematode Attractants. <i>Molecular Plant</i> , 2020, 13, 658-665.	3.9	35

#	ARTICLE	IF	CITATIONS
312	Development of <i>Bacillus safensis</i> -based liquid bioformulation to augment growth, stevioside content, and nutrient uptake in <i>Stevia rebaudiana</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 8.	1.7	18
313	Drought Stress Impairs Grain Yield and Quality of Rice Genotypes by Impaired Photosynthetic Attributes and K Nutrition. <i>Rice Science</i> , 2020, 27, 5-9.	1.7	21
314	Sunflower (<i>Helianthus annuus</i> L.) biochemical properties and seed components affected by potassium fertilization under drought conditions. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110017.	2.9	45
315	Production, physiology, and molecular characterization of sorghum (<i>Sorghum bicolor</i> (L.) Moench) genotypes under the interactions of abiotic stresses. <i>Biologia (Poland)</i> , 2020, 75, 39-51.	0.8	0
316	Elemental analysis of Lamiaceae medicinal and aromatic plants growing in the Republic of Moldova using neutron activation analysis. <i>Phytochemistry Letters</i> , 2020, 35, 119-127.	0.6	18
317	Effects of Water Stress and Modern Biostimulants on Growth and Quality Characteristics of Mint. <i>Agronomy</i> , 2020, 10, 6.	1.3	31
318	Transcriptome Changes Induced by Different Potassium Levels in Banana Roots. <i>Plants</i> , 2020, 9, 11.	1.6	20
319	Identifying Early Warning Signals for the Sudden Transition from Mild to Severe Tobacco Etch Disease by Dynamical Network Biomarkers. <i>Viruses</i> , 2020, 12, 16.	1.5	9
320	Multi-Omics Analyses Reveal the Molecular Mechanisms Underlying the Adaptation of Wheat (<i>Triticum</i>) Tj ETQq0 0,0,rgBT /Overlock 10	1.7	14
321	Potassium Application Boosts Photosynthesis and Sorbitol Biosynthesis and Accelerates Cold Acclimation of Common Plantain (<i>Plantago major</i> L.). <i>Plants</i> , 2020, 9, 1259.	1.6	12
322	Physiological and Nutraceutical Quality of Green and Red Pigmented Lettuce in Response to NaCl Concentration in Two Successive Harvests. <i>Agronomy</i> , 2020, 10, 1358.	1.3	31
323	Purification of the phytase enzyme from <i>Lactobacillus plantarum</i> : The effect on pansy growth and macro- and micro element content. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 1067-1075.	1.4	8
324	Synergistic effect of KCl, thiourea, GA3 and SA on the germination and early seedling growth enhancement of drought-stressed Malaysian indica rice cv. MR220. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101779.	1.5	5
325	Is salinity the main ecological factor that influences foliar nutrient resorption of desert plants in a hyper-arid environment?. <i>BMC Plant Biology</i> , 2020, 20, 461.	1.6	12
326	Multidimensional Evaluation for Detecting Salt Tolerance of Bread Wheat Genotypes Under Actual Saline Field Growing Conditions. <i>Plants</i> , 2020, 9, 1324.	1.6	63
327	Antioxidant and defense genetic expressions in corn at early-developmental stage are differentially modulated by copper form exposure (nano, bulk, ionic): Nutrient and physiological effects. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111197.	2.9	11
328	Insights into the Physiological and Biochemical Impacts of Salt Stress on Plant Growth and Development. <i>Agronomy</i> , 2020, 10, 938.	1.3	179
329	Performance Comparison of <i>Eichhornia crassipes</i> and <i>Salvinia natans</i> on Azo-Dye (Eriochrome Black T) Phytoremediation. <i>Crystals</i> , 2020, 10, 565.	1.0	23

#	ARTICLE	IF	CITATIONS
330	The influence of Bomet red rock powder on composite organic fertilizers prepared from <i>Tithonia diversifolia</i> leaves and <i>Musa acuminata</i> (banana) stalks. <i>Journal of Plant Nutrition</i> , 2020, 43, 2685-2695.	0.9	0
332	Genome-Wide Identification and Expression Pattern Analysis of the HAK/KUP/KT Gene Family of Cotton in Fiber Development and Under Stresses. <i>Frontiers in Genetics</i> , 2020, 11, 566469.	1.1	4
333	Agro-Techniques for Lodging Stress Management in Maize-Soybean Intercropping System—A Review. <i>Plants</i> , 2020, 9, 1592.	1.6	15
334	Rhizobium inoculation alleviates separate and combined toxicities of Na ⁺ and Cl ⁻ in alfalfa. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	0
335	Deficiency of Essential Elements in Crop Plants. , 2020, , 19-52.		1
337	Sustainable Solutions for Elemental Deficiency and Excess in Crop Plants. , 2020, , .		7
338	An Overview of Nitrogen, Phosphorus and Potassium: Key Players of Nutrition Process in Plants. , 2020, , 85-117.		9
339	Exogenous Potassium Treatments Elevate Salt Tolerance and Performances of <i>Glycine max</i> L. by Boosting Antioxidant Defense System under Actual Saline Field Conditions. <i>Agronomy</i> , 2020, 10, 1741.	1.3	65
340	Overexpression of HvAKT1 improves drought tolerance in barley by regulating root ion homeostasis and ROS and NO signaling. <i>Journal of Experimental Botany</i> , 2020, 71, 6587-6600.	2.4	31
341	Red maple (<i>Acer rubrum</i> L.) trees demonstrate acclimation to urban conditions in deciduous forests embedded in cities. <i>PLoS ONE</i> , 2020, 15, e0236313.	1.1	9
342	Integrative analyses of transcriptomics and metabolomics upon seed germination of foxtail millet in response to salinity. <i>Scientific Reports</i> , 2020, 10, 13660.	1.6	45
343	Genotype networks of 80 quantitative <i>Arabidopsis thaliana</i> phenotypes reveal phenotypic evolvability despite pervasive epistasis. <i>PLoS Computational Biology</i> , 2020, 16, e1008082.	1.5	6
344	Alternate wetting and drying: A water-saving and ecofriendly rice production system. <i>Agricultural Water Management</i> , 2020, 241, 106363.	2.4	88
345	HAK/KUP/KT family potassium transporter genes are involved in potassium deficiency and stress responses in tea plants (<i>Camellia sinensis</i> L.): expression and functional analysis. <i>BMC Genomics</i> , 2020, 21, 556.	1.2	27
346	OslAZ9 overexpression modulates jasmonic acid biosynthesis and potassium deficiency responses in rice. <i>Plant Molecular Biology</i> , 2020, 104, 397-410.	2.0	27
347	Landscape genomics reveals genetic evidence of local adaptation in a widespread tree, the Chinese wingnut (<i>Pterocarya stenoptera</i>). <i>Journal of Systematics and Evolution</i> , 2022, 60, 386-397.	1.6	10
348	RNA G-quadruplex structures exist and function in vivo in plants. <i>Genome Biology</i> , 2020, 21, 226.	3.8	75
349	Regulation of Agronomic Traits, Nutrient Uptake, Osmolytes and Antioxidants of Maize as Influenced by Exogenous Potassium Silicate under Deficit Irrigation and Semiarid Conditions. <i>Agronomy</i> , 2020, 10, 1212.	1.3	32

#	ARTICLE	IF	CITATIONS
350	Relevance of Plant Growth Promoting Microorganisms and Their Derived Compounds, in the Face of Climate Change. <i>Agronomy</i> , 2020, 10, 1179.	1.3	61
351	Temporal Variation of Phenolic and Mineral Composition in Olive Leaves Is Cultivar Dependent. <i>Plants</i> , 2020, 9, 1099.	1.6	23
352	Lowering Nitrogen and Increasing Potassium Application Level Can Improve the Yield and Quality of <i>Panax notoginseng</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 595095.	1.7	17
353	Potassium-Solubilizing Activity of <i>Bacillus aryabhatai</i> SK1-7 and Its Growth-Promoting Effect on <i>Populus alba</i> L.. <i>Forests</i> , 2020, 11, 1348.	0.9	20
354	Ionic responses of bean (<i>Phaseolus vulgaris</i> L.) plants under salinity stress and humic acid applications. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 1317-1331.	0.5	10
355	Determination of the Variability of Biophenols and Mineral Nutrients in Olive Leaves with Respect to Cultivar, Collection Period and Geographical Location for Their Targeted and Well-Timed Exploitation. <i>Plants</i> , 2020, 9, 1667.	1.6	15
357	The aqueous extract and powder of the brown alga <i>Dictyota dichotoma</i> (Hudson) differentially alleviate the impact of abiotic stress on rice (<i>Oryza sativa</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1155-1171.	1.4	8
358	Combined Application of Potassium and Zinc Improves Water Relations, Stay Green, Irrigation Water Use Efficiency, and Grain Quality of Maize under Drought Stress. <i>Journal of Plant Nutrition</i> , 2020, 43, 2214-2225.	0.9	15
359	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
360	<i>Pennisetum giganteum</i> : An emerging salt accumulating/tolerant non-conventional crop for sustainable saline agriculture and simultaneous phytoremediation. <i>Environmental Pollution</i> , 2020, 265, 114876.	3.7	22
362	Foliar Elemental Analysis of Brazilian Crops via Portable X-ray Fluorescence Spectrometry. <i>Sensors</i> , 2020, 20, 2509.	2.1	18
364	Impact of potassium deficiency on cotton growth, development and potential microRNA-mediated mechanism. <i>Plant Physiology and Biochemistry</i> , 2020, 153, 72-80.	2.8	43
365	Soil nutrition, microbial composition and associated soil enzyme activities in KwaZulu-Natal grasslands and savannah ecosystems soils. <i>Applied Soil Ecology</i> , 2020, 155, 103663.	2.1	18
366	Management of abiotic stress and sustainability. , 2020, , 883-916.		1
367	Plant Functional Traits on Tropical Ultramafic Habitats Affected by Fire and Mining: Insights for Reclamation. <i>Diversity</i> , 2020, 12, 248.	0.7	9
368	Emerging investigator series: molecular mechanisms of plant salinity stress tolerance improvement by seed priming with cerium oxide nanoparticles. <i>Environmental Science: Nano</i> , 2020, 7, 2214-2228.	2.2	97
369	The Influence of Fertilization on Pomegranate Susceptibility to Infestation by <i>Ectomyelois ceratoniae</i> . <i>International Journal of Fruit Science</i> , 2020, 20, S1156-S1173.	1.2	6
370	Role of Potassium in Plants. <i>SpringerBriefs in Plant Science</i> , 2020, , .	0.4	26

#	ARTICLE	IF	CITATIONS
371	Protective Effect of 24-Epibrassinolide on Barley Plants Growing Under Combined Stress of Salinity and Potassium Deficiency. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1543-1558.	2.8	16
372	Nutrient Accumulation and Distribution Assessment in Response to Potassium Application under Maize–Soybean Intercropping System. <i>Agronomy</i> , 2020, 10, 725.	1.3	23
373	Coconut Coir as a Sustainable Nursery Growing Media for Seedling Production of the Ecologically Diverse <i>Quercus</i> Species. <i>Forests</i> , 2020, 11, 522.	0.9	19
374	A Review on Potential Plant-Based Water Stress Indicators for Vegetable Crops. <i>Sustainability</i> , 2020, 12, 3945.	1.6	130
375	Ion Homeostasis Response to Nutrient-Deficiency Stress in Plants. , 2020, , .		4
376	Chloride and amino acids are associated with K ⁺ -alleviated drought stress in tea (<i>Camellia sinensis</i>). <i>Functional Plant Biology</i> , 2020, 47, 398.	1.1	16
377	Estimation of leaf nutrition status in degraded vegetation based on field survey and hyperspectral data. <i>Scientific Reports</i> , 2020, 10, 4361.	1.6	19
378	Evaluation of Blackgram (<i>Vigna mungo</i> L.) Genotypes for their Tolerance to Flooding. <i>The Agriculturists</i> , 2020, 17, 89-101.	0.3	1
379	The Influence of Taxonomy and Environment on Leaf Trait Variation Along Tropical Abiotic Gradients. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	19
380	Biofertilisation with Anaerobic Digestates: Effects on the Productive Traits of Ryegrass and Soil Nutrients. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1665-1678.	1.7	5
381	Enhanced removal of cesium by potassium-starved microalga, <i>Desmodesmus armatus</i> SCK, under photoheterotrophic condition with magnetic separation. <i>Chemosphere</i> , 2020, 252, 126482.	4.2	10
382	Radiation dose to Malaysian populace via the consumption of roasted ground and instant coffee. <i>Radiation Physics and Chemistry</i> , 2020, 173, 108886.	1.4	15
383	Potassium sulfate and ammonium sulfate affect quality and quantity of camelina oil grown with different irrigation regimes. <i>Industrial Crops and Products</i> , 2020, 148, 112308.	2.5	24
384	Effect of Exopolysaccharide-Producing Bacteria and Melatonin on Faba Bean Production in Saline and Non-Saline Soil. <i>Agronomy</i> , 2020, 10, 316.	1.3	35
385	Growth Response of Cassava to Deficit Irrigation and Potassium Fertigation during the Early Growth Phase. <i>Agronomy</i> , 2020, 10, 321.	1.3	11
386	Different potassium fertilization levels influence water-use efficiency, yield, and fruit quality attributes of cocktail tomato—A comparative study of deficient-to-excessive supply. <i>Scientia Horticulturae</i> , 2020, 272, 109562.	1.7	18
387	Heavy metal uptake and growth characteristics of <i>Amaranthus caudatus</i> L. under five different soils in a controlled environment. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 417-425.	0.5	10
388	Evaluating surface water quality using water quality index in Beiyun River, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35449-35458.	2.7	42

#	ARTICLE	IF	CITATIONS
389	The Effects of Biopesticide and <i>Fusarium oxysporum</i> f.sp. <i>vanillae</i> on the Nutrient Content of Binucleate <i>Rhizoctonia</i> -Induced Vanilla Plant. <i>International Journal of Agronomy</i> , 2020, 2020, 1-6.	0.5	9
390	Quality Improvement of Netted Melon (<i>Cucumis melo</i> L. var. <i>reticulatus</i>) through Precise Nitrogen and Potassium Management in a Hydroponic System. <i>Agronomy</i> , 2020, 10, 816.	1.3	5
391	Effects of light intensities and varying watering intervals on growth, tissue nutrient content and antifungal activity of hydroponic cultivated <i>Tulbaghia violacea</i> L. under greenhouse conditions. <i>Heliyon</i> , 2020, 6, e03906.	1.4	9
392	Potassium affects cadmium resistance in <i>Arabidopsis</i> through facilitating root cell wall Cd retention in a nitric oxide dependent manner. <i>Environmental and Experimental Botany</i> , 2020, 178, 104175.	2.0	18
393	Interactions between climate and soil shape tree community assembly and above-ground woody biomass of tropical dry forests. <i>Forest Ecology and Management</i> , 2020, 474, 118348.	1.4	23
394	Ecophysiology of the tall coconut growing under different coastal areas of northeastern Brazil. <i>Agricultural Water Management</i> , 2020, 232, 106047.	2.4	12
395	Using Tomato Recombinant Lines to Improve Plant Tolerance to Stress Combination Through a More Efficient Nitrogen Metabolism. <i>Frontiers in Plant Science</i> , 2019, 10, 1702.	1.7	21
396	Natural Variation in Volatile Emissions of the Invasive Weed <i>Calluna vulgaris</i> in New Zealand. <i>Plants</i> , 2020, 9, 283.	1.6	21
397	Î ² -Aminobutyric Acid Pretreatment Confers Salt Stress Tolerance in <i>Brassica napus</i> L. by Modulating Reactive Oxygen Species Metabolism and Methylglyoxal Detoxification. <i>Plants</i> , 2020, 9, 241.	1.6	17
398	Determination of optimum rate of phosphorus and potassium fertilizers for a four-year-old oil palm (<i>Elaeis guineensis</i> Jacq.). <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 418, 012048.	0.2	1
399	Response of maize (<i>Zea mays</i> L.) to potassium nano-silica application under drought stress. <i>Journal of Plant Nutrition</i> , 2020, 43, 1205-1216.	0.9	38
400	Root physiological and biochemical responses of seashore paspalum and centipedegrass exposed to isoosmotic salt and drought stresses. <i>Crop Science</i> , 2020, 60, 1077-1089.	0.8	6
401	Impact of drought on growth, photosynthesis, osmotic adjustment, and cell wall elasticity in Damask rose. <i>Plant Physiology and Biochemistry</i> , 2020, 150, 133-139.	2.8	76
402	Investigating Surficial Geologic Controls on Soil Properties, Inorganic Nutrient Uptake, and Northern Hardwood Growth in Western Massachusetts, USA. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 901-911.	1.7	7
403	Gene Expression and K ⁺ Uptake of Two Tomato Cultivars in Response to Sub-Optimal Temperature. <i>Plants</i> , 2020, 9, 65.	1.6	5
404	Effect of water deficit stress on an Indian wheat cultivar (<i>Triticum aestivum</i> L. HD 2967) under ambient and elevated level of ozone. <i>Science of the Total Environment</i> , 2020, 714, 136837.	3.9	24
405	Genotypic variation in source and sink traits affects the response of photosynthesis and growth to elevated atmospheric CO ₂ . <i>Plant, Cell and Environment</i> , 2020, 43, 579-593.	2.8	32
406	When does nutrient management sequester more carbon in soils and produce high and stable grain yields in China?. <i>Land Degradation and Development</i> , 2020, 31, 1926-1941.	1.8	16

#	ARTICLE	IF	CITATIONS
407	Potassium Application Improves Grain Yield and Alleviates Drought Susceptibility in Diverse Maize Hybrids. <i>Plants</i> , 2020, 9, 75.	1.6	48
408	Drought tolerance and acclimation in <i>Pinus ponderosa</i> seedlings: the influence of nitrogen form. <i>Tree Physiology</i> , 2020, 40, 1165-1177.	1.4	11
409	Spinach Plants Favor the Absorption of K ⁺ over Na ⁺ Regardless of Salinity, and May Benefit from Na ⁺ When K ⁺ is Deficient in the Soil. <i>Plants</i> , 2020, 9, 507.	1.6	22
410	Potassium and zinc-induced frost tolerance in pistachio flowers is associated with physiological and biochemical changes. <i>Trees - Structure and Function</i> , 2020, 34, 1021-1032.	0.9	5
411	Evaluation of potassium diformate and potassium chloride in the diet of the African catfish, <i>Clarias gariepinus</i> in a recirculating aquaculture system. <i>Aquaculture</i> , 2020, 526, 735414.	1.7	15
412	Regulation of drought stress in plants. , 2020, , 77-104.		14
413	The effect of Palm Oil Mill Effluent Final Discharge on the Characteristics of <i>Pennisetum purpureum</i> . <i>Scientific Reports</i> , 2020, 10, 6613.	1.6	18
414	Biochar as an Additive in Anaerobic Digestion of Municipal Sludge: Biochar Properties and Their Effects on the Digestion Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6391-6401.	3.2	45
415	Interactive Effects of the Potassium and Nitrogen Relationship on Yield and Quality of Strawberry Grown Under Soilless Conditions. <i>Plants</i> , 2020, 9, 441.	1.6	13
416	Yield, Growth, Quality, Biochemical Characteristics and Elemental Composition of Plant Parts of Celery Leafy, Stalk and Root Types Grown in the Northern Hemisphere. <i>Plants</i> , 2020, 9, 484.	1.6	21
417	Combined releases of soil predatory mites and provisioning of free-living nematodes for the biological control of root-knot nematodes on "Micro Tom tomato". <i>Biological Control</i> , 2020, 146, 104280.	1.4	13
418	Effects of Vapor Pressure Deficit and Potassium Supply on Root Morphology, Potassium Uptake, and Biomass Allocation of Tomato Seedlings. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 509-518.	2.8	11
419	Potassium induces carbohydrates accumulation by enhancing morpho-physiological and biochemical attributes in soybean under salinity. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 946-959.	1.3	21
420	Foliar application of potassium to improve the freezing tolerance of olive leaves by increasing some osmolite compounds and antioxidant activity. <i>Scientia Horticulturae</i> , 2021, 276, 109765.	1.7	14
421	Improving drought tolerance in rice: Ensuring food security through multi-dimensional approaches. <i>Physiologia Plantarum</i> , 2021, 172, 645-668.	2.6	48
422	The Effect of Winter Sowing, Chemical, and Nano-Fertilizer Sources on Oil Content and Fatty Acids of Dragon's Head (<i>Lallemantia iberica</i> Fischer & C.A. Meyrefeer). <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1714-1727.	2.8	12
423	Potassium Influencing Physiological Parameters, Photosynthesis and Sugarcane Yield in Subtropical India. <i>Sugar Tech</i> , 2021, 23, 343-359.	0.9	9
424	Soil Microbes and Food Security Nexus: Imperativeness of Microbial Biotechnology. , 2021, , 545-561.		0

#	ARTICLE	IF	CITATIONS
425	Mineral Nutrition of Plants Under Soil Water Deficit Condition: A Review. , 2021, , 287-391.		1
426	Zeolite alleviates potassium deficiency and improves lodging-related stem morphological characteristics and grain yield in rice. <i>Crop and Pasture Science</i> , 2021, 72, 407-415.	0.7	5
427	Reassessing the Role of Potassium in Tomato Grown with Water Shortages. <i>Horticulturae</i> , 2021, 7, 20.	1.2	13
428	Phenolic accumulation and related antioxidant capacity in stems and roots of the Tunisian extremophile <i>Sulla carnosa</i> as influenced by potassium application under salinity stress. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	7
429	SEED BIOPRIMING WITH OSMO-TOLERANT RHIZOBACTERIA ENHANCES THE TOLERANCE OF ALFALFA (<i>MEDICAGO SATIVA L.</i>)-RHIZOBIA SYMBIOSIS TO WATER DEFICIT. <i>Applied Ecology and Environmental Research</i> , 2021, 19, 563-580.	0.2	5
430	Potassium, an important element to improve water use efficiency and growth parameters in quinoa (<i>Chenopodium quinoa</i>) under saline conditions. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 618-630.	1.7	16
431	Qualitative In Vitro Evaluation of Plant Growth Promoting Activity of Selected Microbial Isolates Used for Biofertilizer Application. , 0, , .		0
432	Effect of foliar nutrition with calcium, boron, and potassium on amelioration of aril browning in pomegranate (<i>Punica granatum</i> cv. "Rabab"™). <i>Journal of Horticultural Science and Biotechnology</i> , 2021, 96, 372-382.	0.9	4
433	Effect of Irrigation Water Salinity and Deficit Irrigation on Soil Ions Variation and Uptake by Saffron (<i>Crocus sativus L.</i>) Under Two Planting Methods. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	2.8	1
434	Tillage and Potassium Management for Improving Yield, Physiological, and Biochemical Responses of Rainfed Lentil Under Moisture Stressed Rice-Fallow. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 637-654.	1.7	4
435	Genome-Wide Identification of the NHX Gene Family in <i>Punica granatum L.</i> and Their Expressional Patterns under Salt Stress. <i>Agronomy</i> , 2021, 11, 264.	1.3	17
436	Valuing each patch of land: utilizing plant-microbe interactions for the betterment of agriculture. , 2021, , 471-507.		1
437	Zinc oxide nanoparticles: Physiological and molecular responses in plants. , 2021, , 339-365.		2
438	Response of <i>Aloe vera</i> to potassium fertilization in relation to leaf biomass yield, its uptake and requirement, critical concentration and use efficiency. <i>Journal of Plant Nutrition</i> , 2021, 44, 2081-2095.	0.9	3
439	Salinity Duration Differently Modulates Physiological Parameters and Metabolites Profile in Roots of Two Contrasting Barley Genotypes. <i>Plants</i> , 2021, 10, 307.	1.6	35
440	Nutrient Imbalance of the Host Plant for Larvae of the Pale Grass Blue Butterfly May Mediate the Field Effect of Low-Dose Radiation Exposure in Fukushima: Dose-Dependent Changes in the Sodium Content. <i>Insects</i> , 2021, 12, 149.	1.0	6
441	Agronomic performance of growing media by co-utilization of mineral and organic matrices: influence of green compost maturity. <i>Acta Horticulturae</i> , 2021, , 309-316.	0.1	0
442	Potassium Control of Plant Functions: Ecological and Agricultural Implications. <i>Plants</i> , 2021, 10, 419.	1.6	116

#	ARTICLE	IF	CITATIONS
443	Recent Advances in Genome-wide Analyses of Plant Potassium Transporter Families. <i>Current Genomics</i> , 2021, 22, 164-180.	0.7	11
444	INFLUENCE OF FOLIAR SPRAYS OF DIFFERENT POTASSIUM FERTILIZERS ON YIELD AND FRUIT QUALITY OF BALADY MANDARIN TREES. <i>Menoufia Journal of Plant Production</i> , 2021, 6, 137-149.	0.1	1
445	Partial Substitution of K by Na Alleviates Drought Stress and Increases Water Use Efficiency in Eucalyptus Species Seedlings. <i>Frontiers in Plant Science</i> , 2021, 12, 632342.	1.7	8
446	Roots under water stress induce K release from phlogopite, bio-transforming to vermiculite. <i>Rhizosphere</i> , 2021, 17, 100310.	1.4	4
447	Potassium Application Positively Modulates Physiological Responses of Cocoa Seedlings to Drought Stress. <i>Agronomy</i> , 2021, 11, 563.	1.3	21
448	Loss of function of the chloroplast membrane K ⁺ /H ⁺ antiporters AtKEA1 and AtKEA2 alters the ROS and NO metabolism but promotes drought stress resilience. <i>Plant Physiology and Biochemistry</i> , 2021, 160, 106-119.	2.8	27
449	Cell damage, gas exchange, and growth of <i>Annona squamosa</i> L. under saline water irrigation and potassium fertilization. <i>Semina: Ciencias Agrarias</i> , 2021, 42, 999-1018.	0.1	8
450	Investigating the effect of <i>Aspergillus niger</i> inoculated press mud (biofertilizer) on the potential of enhancing maize (<i>Zea mays</i> . L) yield, potassium use efficiency and potassium agronomic efficiency. <i>Cereal Research Communications</i> , 2022, 50, 157-170.	0.8	9
451	Recent progress in understanding salinity tolerance in plants: Story of Na ⁺ /K ⁺ balance and beyond. <i>Plant Physiology and Biochemistry</i> , 2021, 160, 239-256.	2.8	70
452	Growth and physiological responses of cotton plants to salt stress. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 565-576.	1.7	22
453	Chemical products for crop protection against freezing stress: A review. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 391-403.	1.7	11
454	CO ₂ exchange, dry matter accumulation and growth response of sorghum (<i>Sorghum bicolor</i> L.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1. Agronomy and Crop Science, 2021, 207, 450-464.	1.7	7
455	Silicon alleviates salt stress-induced potassium deficiency by promoting potassium uptake and translocation in rice (<i>Oryza sativa</i> L.). <i>Journal of Plant Physiology</i> , 2021, 258-259, 153379.	1.6	28
456	Use of Meat Industry Waste in the Form of Meat-and-Bone Meal in Fertilising Maize (<i>Zea mays</i> L.) for Grain. <i>Sustainability</i> , 2021, 13, 2857.	1.6	16
457	The effect of potassium and planting media on production and quality of tomato (<i>Lycopersicon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1. 2021, 1098, 052006.	0.3	0
458	Nitrogen supply associated with rhizobacteria in the first productive cycle of Marandu grass. <i>Journal of Crop Science and Biotechnology</i> , 2021, 24, 429-439.	0.7	6
459	Insight into phytohormonal modulation of defense mechanisms to salt excess in a halophyte and a glycophyte from Asteraceae family. <i>Plant and Soil</i> , 2021, 463, 55-76.	1.8	11
460	Strategies to Apply Water-Deficit Stress: Similarities and Disparities at the Whole Plant Metabolism Level in <i>Medicago truncatula</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2813.	1.8	8

#	ARTICLE	IF	CITATIONS
461	Mechanisms of Plasma-Seed Treatments as a Potential Seed Processing Technology. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	53
462	Response of Lawn Grasses to Salinity Stress and Protective Potassium Effect. <i>Agronomy</i> , 2021, 11, 843.	1.3	6
463	Halotolerant bacteria mitigate the effects of salinity stress on soybean growth by regulating secondary metabolites and molecular responses. <i>BMC Plant Biology</i> , 2021, 21, 176.	1.6	76
464	Effect of Nano Phosphorus and Potassium Fertilizers on Productivity and Mineral Content of Broad Bean in North Sinai. <i>Journal of Soil Sciences and Agricultural Engineering</i> , 2021, 12, 239-246.	0.0	1
465	Effect of ABA on physiological characteristics and expression of salt tolerance-related genes in Tartary buckwheat. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	2
466	Early Sowing Combined with Adequate Potassium and Sulfur Fertilization: Promoting <i>Beta vulgaris</i> (L.) Yield, Yield Quality, and K- and S-Use Efficiency in a Dry Saline Environment. <i>Agronomy</i> , 2021, 11, 806.	1.3	12
467	Integrated Application of K and Zn as an Avenue to Promote Sugar Beet Yield, Industrial Sugar Quality, and K-Use Efficiency in a Salty Semi-Arid Agro-Ecosystem. <i>Agronomy</i> , 2021, 11, 780.	1.3	13
468	OsJAZ9 is involved in water-deficit stress tolerance by regulating leaf width and stomatal density in rice. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 161-170.	2.8	15
469	Rain-fed fig trees response to supplemental irrigation timing and potassium fertiliser in micro-catchment. <i>Journal of Horticultural Science and Biotechnology</i> , 2021, 96, 738-749.	0.9	4
470	A Combined Application of Molecular Microbial Ecology and Elemental Analyses Can Advance the Understanding of Decomposition Dynamics. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	0
471	Plot-Based Classification of Macronutrient Levels in Oil Palm Trees with Landsat-8 Images and Machine Learning. <i>Remote Sensing</i> , 2021, 13, 2029.	1.8	3
472	Polyamine Metabolism in Scots Pine Embryogenic Cells under Potassium Deficiency. <i>Cells</i> , 2021, 10, 1244.	1.8	1
473	Foliar Potassium Sulfate Application Improved Photosynthetic Characteristics, Water Relations and Seedling Growth of Drought-Stressed Maize. <i>Atmosphere</i> , 2021, 12, 663.	1.0	11
474	Potassium-enriched clinoptilolite zeolite mitigates the adverse impacts of salinity stress in perennial ryegrass (<i>Lolium perenne</i> L.) by increasing silicon absorption and improving the K/Na ratio. <i>Journal of Environmental Management</i> , 2021, 285, 112142.	3.8	16
475	Potassium Fertilization Stimulates Sucrose-to-Starch Conversion and Root Formation in Sweet Potato (<i>Ipomoea batatas</i> (L.) Lam.). <i>International Journal of Molecular Sciences</i> , 2021, 22, 4826.	1.8	12
476	Identification and characterization of HAK/KUP/KT potassium transporter gene family in barley and their expression under abiotic stress. <i>BMC Genomics</i> , 2021, 22, 317.	1.2	24
477	<i>Ascophyllum nodosum</i> Based Extracts Counteract Salinity Stress in Tomato by Remodeling Leaf Nitrogen Metabolism. <i>Plants</i> , 2021, 10, 1044.	1.6	19
478	The agronomy performance and financial feasibility of hybrid maize varieties for consumption and cattle feed in difference planting system. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 759, 012044.	0.2	0

#	ARTICLE	IF	CITATIONS
479	Phosphate-Solubilizing Enterobacter <i>ludwigii</i> AFFR02 and Bacillus megaterium Mj1212 Rescues Alfalfa™s Growth under Post-Drought Stress. Agriculture (Switzerland), 2021, 11, 485.	1.4	19
480	Contrasting Responses of Guar Genotypes Shed Light on Multiple Component Traits of Salinity Tolerance Mechanisms. Agronomy, 2021, 11, 1068.	1.3	6
481	Sulfur Deprivation Modulates Salicylic Acid Responses via Nonexpressor of Pathogenesis-Related Gene 1 in Arabidopsis thaliana. Plants, 2021, 10, 1065.	1.6	8
482	Environmental drivers of three neighbouring monodominant stands in Pantanal wetland. Journal of Vegetation Science, 2021, 32, e13023.	1.1	3
483	Potassium Supplementation Promotes Osmotic Adjustment and Increases Water Use Efficiency in Sugarcane Under Water Deficit. Sugar Tech, 2021, 23, 1075-1084.	0.9	6
484	Nitrogen and potassium supplied by phenological stages affect the carotenoid and nutritive content of the tomato fruit. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2021, 49, 12320.	0.5	6
485	Petunia Performance Under Application of Animal-Based Protein Hydrolysates: Effects on Visual Quality, Biomass, Nutrient Content, Root Morphology, and Gas Exchange. Frontiers in Plant Science, 2021, 12, 640608.	1.7	9
486	Growth and production of Cilembu sweet potatoes (<i>Ipomoea batatas</i> L.) varieties in the highlands with potassium fertilizer and pruning treatments. IOP Conference Series: Earth and Environmental Science, 2021, 782, 042027.	0.2	1
487	A Review of Potassium-Rich Crop Residues Used as Organic Matter Amendments in Tree Crop Agroecosystems. Agriculture (Switzerland), 2021, 11, 580.	1.4	27
488	The Ca ²⁺ -CaM Signaling Pathway Mediates Potassium Uptake by Regulating Reactive Oxygen Species Homeostasis in Tobacco Roots Under Low-K ⁺ Stress. Frontiers in Plant Science, 2021, 12, 658609.	1.7	9
489	Different soil potassium fractions and their contribution towards its uptake under long-term rice-rice cropping system in an Inceptisol of subtropical eastern India. Oryza, 2021, 58, 262-271.	0.2	0
490	EST-SSR-based landscape genetics of <i>Pseudotsaxus chienii</i> , a tertiary relict conifer endemic to China. Ecology and Evolution, 2021, 11, 9498-9515.	0.8	6
491	AlRab7 from <i>Aeluropus lagopoides</i> ameliorates ion toxicity in transgenic tobacco by regulating hormone signaling and reactive oxygen species homeostasis. Physiologia Plantarum, 2021, 173, 1448-1462.	2.6	3
492	Potential Networks of Nitrogen-Phosphorus-Potassium Channels and Transporters in Arabidopsis Roots at a Single Cell Resolution. Frontiers in Plant Science, 2021, 12, 689545.	1.7	8
494	Environmental determinants of plant species diversity in organic and conventional vineyards. Journal of Plant Nutrition, 2022, 45, 25-32.	0.9	1
495	The Cowpea Kinome: Genomic and Transcriptomic Analysis Under Biotic and Abiotic Stresses. Frontiers in Plant Science, 2021, 12, 667013.	1.7	12
496	Effect of potassium application on morphophysiological two varieties of soybean under drought stress. IOP Conference Series: Earth and Environmental Science, 2021, 782, 032069.	0.2	0
497	The influence of transpiration on foliar accumulation of salt and nutrients under salinity in poplar (<i>Populus alba</i> canescens). PLoS ONE, 2021, 16, e0253228.	1.1	11

#	ARTICLE	IF	CITATIONS
498	Pluronic F-68 Improves Callus Proliferation of Recalcitrant Rice Cultivar via Enhanced Carbon and Nitrogen Metabolism and Nutrients Uptake. <i>Frontiers in Plant Science</i> , 2021, 12, 667434.	1.7	6
499	Expression dynamics indicate the role of Jasmonic acid biosynthesis pathway in regulating macronutrient (N, P and K+) deficiency tolerance in rice (<i>Oryza sativa</i> L.). <i>Plant Cell Reports</i> , 2021, 40, 1495-1512.	2.8	23
500	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
501	Poplar <i>PsnlCE1</i> enhances cold tolerance by binding to different cis-acting elements to improve reactive oxygen species-scavenging capability. <i>Tree Physiology</i> , 2021, 41, 2424-2437.	1.4	10
502	Effects of Two Citrus Tristeza Virus Isolates on Sweet Orange (<i>Citrus sinensis</i>) Propagated on a Citrus Tristeza Virus Tolerant Rootstock: A Metabolomics and Transcriptomics Approach. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 407-416.	1.0	1
503	Biosolubilization of verdetate: An alternative potassium source for agriculture fertilizer. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 34, 102031.	1.5	7
504	Potassium and Nitrogen Impacts on Survival and Development of Fall Armyworm (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	0.2	2
505	Integrated usage of <i>Trichoderma harzianum</i> and biochar to ameliorate salt stress on spinach plants. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 2005-2026.	1.3	48
506	The combination of straw return and appropriate K fertilizer amounts enhances both soil health and rice yield in Northeast China. <i>Agronomy Journal</i> , 2021, 113, 5424-5435.	0.9	8
508	Towards a Full Circular Economy in Biogas Plants: Sustainable Management of Digestate for Growing Biomass Feedstocks and Use as Biofertilizer. <i>Energies</i> , 2021, 14, 4272.	1.6	26
509	Assessment of the Elemental Profile of Leafy Vegetables by Synchrotron-Radiation-Induced Energy Dispersive X-Ray Fluorescence Spectroscopy. <i>Journal of Applied Spectroscopy</i> , 2021, 88, 653-661.	0.3	6
510	Multielemental Analysis and In Vitro Evaluation of Free Radical Scavenging Activity of Natural Phytopigments by ICP-OES and HPTLC. <i>Frontiers in Pharmacology</i> , 2021, 12, 620996.	1.6	3
511	<i>Aspergillus aculeatus</i> enhances potassium uptake and photosynthetic characteristics in perennial ryegrass by increasing potassium availability. <i>Journal of Applied Microbiology</i> , 2022, 132, 483-494.	1.4	3
512	Yield and Quality of Ratoon Sugarcane Are Improved by Applying Potassium under Irrigation to Potassium Deficient Soils. <i>Agronomy</i> , 2021, 11, 1381.	1.3	10
513	Protagonist of Mineral Nutrients in Drought Stress Tolerance of Field Crops. , 0, , .		2
514	Osmolyte Accumulation and Sodium Compartmentation Has a Key Role in Salinity Tolerance of Pistachios Rootstocks. <i>Agriculture (Switzerland)</i> , 2021, 11, 708.	1.4	26
515	Status of Phenolic Metabolism and Glutathione Detoxification Pathway in Waterlogged Maize as Affected by KNO ₃ Treatment. <i>Russian Journal of Plant Physiology</i> , 2021, 68, 1247-1256.	0.5	0
516	Morpho-physiological Responses of Tomato Genotypes Under Saline Conditions. <i>Gesunde Pflanzen</i> , 2021, 73, 541-553.	1.7	5

#	ARTICLE	IF	CITATIONS
517	Rice Cultivars Under Salt Stress Show Differential Expression of Genes Related to the Regulation of Na ⁺ /K ⁺ Balance. <i>Frontiers in Plant Science</i> , 2021, 12, 680131.	1.7	19
518	Effects of Wildfires and Ash Leaching on Stream Chemistry in the Santa Ynez Mountains of Southern California. <i>Water (Switzerland)</i> , 2021, 13, 2402.	1.2	7
519	Copper uptake, physiological response, and phytoremediation potential of <i>Brassica juncea</i> under biochar application. <i>International Journal of Phytoremediation</i> , 2022, 24, 474-482.	1.7	13
520	<i>Physcomitrium patens</i> Infection by <i>Colletotrichum gloeosporioides</i> : Understanding the Fungal-Bryophyte Interaction by Microscopy, Phenomics and RNA Sequencing. <i>Journal of Fungi (Basel)</i> , 2021, 7, 784314.	1.5	0
521	Hydroponics – Soilless Farming – The Future of Food and Agriculture – A Review. , 0, , .		4
522	Physiological and Biochemical Response of Wild Olive (<i>Olea europaea</i> Subsp. <i>europaea</i> var. <i>sylvestris</i>) to Salinity. <i>Frontiers in Plant Science</i> , 2021, 12, 712005.	1.7	2
523	Role of kaolin on drought tolerance and nut quality of Persian walnut. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2021, 20, 409-416.	1.0	7
524	Cardenolide, Potassium, and Pyrethroid Insecticide Combinations Reduce Growth and Survival of Monarch Butterfly Caterpillars (Lepidoptera: Nymphalidae). <i>Journal of Economic Entomology</i> , 2021, 114, 2370-2380.	0.8	2
525	A green K-fertilizer using mechanical activation to improve the solubilization of a low-reactivity potassium mineral by <i>Aspergillus niger</i> . <i>Bioresource Technology Reports</i> , 2021, 15, 100711.	1.5	7
526	Drought Stress Alleviation by Potassium-Nitrate-Containing Chitosan/Montmorillonite Microparticles Confers Changes in <i>Spinacia oleracea</i> L.. <i>Sustainability</i> , 2021, 13, 9903.	1.6	25
527	Combining Remote Sensing and Meteorological Data for Improved Rice Plant Potassium Content Estimation. <i>Remote Sensing</i> , 2021, 13, 3502.	1.8	5
528	Potassium availability in soil amended with organic matter and phosphorous fertiliser under water stress during maize (<i>Zea mays</i> L) growth. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2021, 20, 390-394.	1.0	16
529	Effect of potassium fertilizer on the growth, physiological parameters, and water status of <i>Brassica juncea</i> cultivars under different irrigation regimes. <i>PLoS ONE</i> , 2021, 16, e0257023.	1.1	11
530	Characterization of cadmium accumulation and phytoextraction in three species of the genus <i>Atriplex</i> (<i>canescens</i> , <i>halimus</i> and <i>nummularia</i>) in the presence or absence of salt. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 902-911.	2.8	6
531	Potassium fertilization reduces silique canopy temperature variation in <i>Brassica napus</i> to enhance seed yield. <i>Industrial Crops and Products</i> , 2021, 168, 113604.	2.5	6
532	Critical role of potassium and sodium salts against insect-pest complex of rice. <i>Oryza</i> , 2021, 58, 409-418.	0.2	0
533	Significance of selenium supplementation in root- shoot reactions under manganese stress in wheat seedlings – biochemical and cytological studies. <i>Plant and Soil</i> , 2021, 468, 389-410.	1.8	2
534	Investigation of <i>Nasturtium officinale</i> R.Br. and <i>Mentha aquatica</i> L. taxa reaction in different lead element concentrations. <i>Su – ¼nleri Dergisi</i> , 2021, 38, 283-292.	0.1	0

#	ARTICLE	IF	CITATIONS
535	Visualising the ionome in resistant and susceptible plant-pathogen interactions. <i>Plant Journal</i> , 2021, 108, 870-885.	2.8	5
536	Detection of Above-Ground Physiological Indices of an Apple Rootstock Superior Line 12-2 with Improved Apple Replant Disease (ARD) Resistance. <i>Horticulturae</i> , 2021, 7, 337.	1.2	6
537	Tomato phytochromes <i>Scp>B1</i> and <i>Scp>B2</i> are part of the responses to the nutritional stress induced by <i>Scp>NPK</i> deficiency. <i>Physiologia Plantarum</i>, 2021, 173, 2238-2247.</i></i></i>	2.6	3
538	Potassium: A track to develop salinity tolerant plants. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 1011-1023.	2.8	48
539	Retrieving potassium levels in wheat blades using normalised spectra. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102412.	1.4	4
540	Comparative studies on the stress responses of two <i>Bupleurum</i> (Apiaceae) species in support of conservation programmes. <i>Environmental and Experimental Botany</i> , 2021, 191, 104616.	2.0	4
541	Potassium deficiency inhibits steviol glycosides synthesis by limiting leaf sugar metabolism in stevia (<i>Stevia rebaudiana</i> Bertoni) plants. <i>Journal of Integrative Agriculture</i> , 2021, 20, 2932-2943.	1.7	9
542	Genome-wide identification of soybean Shaker K ⁺ channel gene family and functional characterization of GmAKT1 in transgenic <i>Arabidopsis thaliana</i> under salt and drought stress. <i>Journal of Plant Physiology</i> , 2021, 266, 153529.	1.6	10
543	Wild relatives of plants as sources for the development of abiotic stress tolerance in plants. , 2022, , 471-518.		13
544	Strigolactones: A Novel Carotenoid-Derived Phytohormone Biosynthesis, Transporters, Signalling, and Mechanisms in Abiotic Stress. , 2021, , 275-303.		4
545	Fruit orchards under climate change conditions: adaptation strategies and management. <i>Journal of Applied Biotechnology & Bioengineering</i> , 2021, 8, 99-102.	0.0	1
546	Potassium fertilization in pineapple fruit quality. <i>Revista Brasileira De Fruticultura</i> , 2021, 43, .	0.2	1
547	Potassium and Nitrogen Fertilization vs. Trace Element Content of Maize (<i>Zea mays</i> L.). <i>Agriculture (Switzerland)</i> , 2021, 11, 96.	1.4	11
548	Gibberellin signaling mediates lateral root inhibition in response to K ⁺ -deprivation. <i>Plant Physiology</i> , 2021, 185, 1198-1215.	2.3	21
549	Leaf morphoanatomical traits of <i>Jacquinia armillaris</i> Jacq. (Theophrastoideae - Primulaceae) in two xeric shrublands from Venezuela. <i>Neotropical Biodiversity</i> , 2021, 7, 364-375.	0.2	2
550	Physiological Responses of Purple Passion Fruit (<i>Passiflora Edulis</i> Sims F. <i>Edulis</i>) Plants to Deficiencies of the Macronutrients, Fe, Mn, and Zn during Vegetative Growth. <i>International Journal of Fruit Science</i> , 2021, 21, 344-358.	1.2	0
551	Effect of some natural products on productivity and some pests of cabbage. , 2021, 4, 11-32.	0.0	0
552	Molecular techniques used in plant disease diagnosis. , 2021, , 405-421.		6

#	ARTICLE	IF	CITATIONS
553	The interplay of hydraulic failure and cell vitality explains tree capacity to recover from drought. <i>Physiologia Plantarum</i> , 2021, 172, 247-257.	2.6	42
554	Predication of Photosynthetic Leaf Gas Exchange of Sugarcane (<i>Saccharum</i> spp) Leaves in Response to Leaf Positions to Foliar Spray of Potassium Salt of Active Phosphorus under Limited Water Irrigation. <i>ACS Omega</i> , 2021, 6, 2396-2409.	1.6	19
555	Nutrient uptake and growth of potato: Arbuscular mycorrhiza symbiosis interacts with quality and quantity of amended biochars. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 220-232.	1.1	15
556	Using an Allometric Model for the Accumulation of Mineral Nutrients in Crops Under Saline and Water Stress: A Field Experience in Fertigation. , 2014, , 81-106.		2
557	Plant Nutrients for Crop Growth, Development and Stress Tolerance. , 2020, , 43-92.		12
558	Potassium in Abiotic Stress. <i>SpringerBriefs in Plant Science</i> , 2020, , 45-49.	0.4	12
559	Broadening the Objectives of Future Potassium Recommendations. , 2021, , 385-415.		2
560	Effect of Salinity on Soil Nutrients and Plant Health. , 2019, , 273-297.		7
561	Molecular Approaches for Combating Multiple Abiotic Stresses in Crops of Arid and Semi-arid Region. <i>Energy, Environment, and Sustainability</i> , 2019, , 149-170.	0.6	47
562	Fungal Endophyte Improves Survival of <i>Lolium perenne</i> in Low Fertility Soils by Increasing Root Growth, Metabolic Activity and Absorption of Nutrients. <i>Plant and Soil</i> , 2020, 452, 185-206.	1.8	37
563	Application of artificial neural network (ANN) model for prediction and optimization of coronarin D content in <i>Hedychium coronarium</i> . <i>Industrial Crops and Products</i> , 2020, 146, 112186.	2.5	30
564	Effect of Ultrafiltrationâ€“Reverse-Osmosis-Treated Shale Gas Wastewater on Seed Germination and Plant Growth. <i>Energy & Fuels</i> , 2021, 35, 1629-1637.	2.5	8
570	Supplementation of potassium alleviates water stress-induced changes in <i>Sorghum bicolor</i> L.. <i>Physiologia Plantarum</i> , 2021, 172, 1149-1161.	2.6	20
571	Microbial Pathogens and Heavy Metal Contaminations in the Open Wells Water in Taif Region, Saudi Arabia. <i>Biomedical and Pharmacology Journal</i> , 2018, 11, 1449-1456.	0.2	3
572	Role of inoculation with multi-trait rhizobacteria on strawberries under water deficit stress. <i>Zemdirbyste</i> , 2016, 103, 67-76.	0.3	29
573	Effect of potassium bicarbonate on photosynthetic parameters of <i>Setaria viridis</i> under drought conditions. <i>Zemdirbyste</i> , 2017, 104, 79-84.	0.3	6
574	Transcriptome Profiling of Sugarcane Roots in Response to Low Potassium Stress. <i>PLoS ONE</i> , 2015, 10, e0126306.	1.1	34
575	Phloem transport capacity of transgenic rice T1c-19 (Cry1C*) under several potassium fertilizer levels. <i>PLoS ONE</i> , 2018, 13, e0195058.	1.1	9

#	ARTICLE	IF	CITATIONS
576	The fungal pathogen <i>Magnaporthe oryzae</i> suppresses innate immunity by modulating a host potassium channel. <i>PLoS Pathogens</i> , 2018, 14, e1006878.	2.1	94
577	Increasing air humidity – a climate trend predicted for northern latitudes – alters the chemical composition of stemwood in silver birch and hybrid aspen. <i>Silva Fennica</i> , 2014, 48, .	0.5	9
579	Effects of NaCl stress on growth and ion homeostasis in pomegranate tissues. <i>European Journal of Horticultural Science</i> , 2020, 85, 42-50.	0.3	5
580	Effects of foliar fertilization with potassium and micronutrients on potato yield and quality. <i>European Journal of Horticultural Science</i> , 2020, 85, 394-400.	0.3	4
581	Varied Patterns of Sprouting and Nutrient Status of Sugarcane Sprouts in Simulated and Natural Saline/Sodic Soils Across two Growing Seasons. <i>International Journal of Agriculture and Biology</i> , 2016, 18, 873-880.	0.2	4
582	Assessment and Distribution of Macro and Micro Nutrients in Different Soil Series of District Swabi, Khyber Pakhtunkhwa, Pakistan. <i>Journal of Horticulture and Plant Research</i> , 0, 2, 23-32.	0.0	7
583	Effect of potassium levels on teff (<i>Eragrostis tef</i> (Zucc.) Trotter) growth and yield in Central Highland Vertisols of Ethiopia. <i>Eurasian Journal of Soil Science</i> , 2020, 9, 105-118.	0.2	5
584	Effect of potash application on the growth and yield of Tomato crop grown in saline condition. <i>Pure and Applied Biology</i> , 2016, 5, 287-297.	0.1	1
585	Influence of Seed Priming and Foliar Nutrition on Quality and Nutrient Uptake of Relay Grass Pea (<i>Lathyrus sativus</i> L.) in Gangetic Plains of West Bengal. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 2864-2872.	0.0	4
586	Potential of Biochar Application to Mitigate Salinity Stress in Eggplant. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2020, 55, 1946-1955.	0.5	33
587	Potassium enhanced grain zinc accumulation in wheat grown on a calcareous saline-sodic soil. <i>Pakistan Journal of Botany</i> , 2020, 52, .	0.2	8
588	External potassium mediates the response and tolerance to salt stress in peanut at the flowering and needling stages. <i>Photosynthetica</i> , 2020, 58, 1141-1149.	0.9	16
589	Comparative Analysis of the Effect of Inorganic and Organic Chemicals with Silver Nanoparticles on Soybean under Flooding Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1300.	1.8	43
590	Effect of Plant Growth Stimulants on Alfalfa Response to Salt Stress. <i>Agricultural Sciences</i> , 2017, 08, 267-291.	0.2	13
592	Systematic Investigation of the Effects of Macro-elements and Iron on Soybean Plant Response to <i>Fusarium oxysporum</i> Infection. <i>Plant Pathology Journal</i> , 2020, 36, 398-405.	0.7	8
593	Microbial fertilizers: A comprehensive review of current findings and future perspectives. <i>Spanish Journal of Agricultural Research</i> , 2018, 16, e09R01.	0.3	94
594	The Effects of Temperature and Potassium Fertilizer on the Growth, Yield, and Biochemical Parameters of <i>Ipomoea batatas</i> var. Antin-1. <i>Acta Agrobotanica</i> , 2020, 73, .	1.0	5
595	Clonal diversity and genetic variation of the sedge <i>Carex nigra</i> in an alpine fen depend on soil nutrients. <i>PeerJ</i> , 2020, 8, e8887.	0.9	6

#	ARTICLE	IF	CITATIONS
596	Seasonal variations in leaf and branch trace elements and the influence of a 3-yr 100% rainfall exclusion on <i>Pinus massoniana</i> Lamb. PeerJ, 2020, 8, e9935.	0.9	4
597	Nitrogen form plays an important role in the growth of moso bamboo (<i>Phyllostachys edulis</i>) seedlings. PeerJ, 2020, 8, e9938.	0.9	14
598	Growth-inhibition Patterns and Bioconcentration Profiles in Cadmium-stressed Oilseed Rape (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	4
599	Ameliorative Effects of Potassium on the Salinity Stress in Plants: A Review. Asian Journal of Soil Science and Plant Nutrition, 0, , 1-15.	0.2	4
600	Exogenously Applied H ₂ O ₂ Promotes Proline Accumulation, Water Relations, Photosynthetic Efficiency and Growth of Wheat (<i>Triticum aestivum</i> L.) Under Salt Stress. Annual Research & Review in Biology, 2014, 4, 105-120.	0.4	57
602	The Role of Agricultural Practises on Quality Characteristics of Fenugreek (<i>Trigonella</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1Q Tf 50 542		
603	Genome-Wide Identification, Genomic Organization, and Characterization of Potassium Transport-Related Genes in <i>Cajanus cajan</i> and Their Role in Abiotic Stress. Plants, 2021, 10, 2238.	1.6	11
605	Unraveling Wheat Grain Quality, Physiological Indices, Dry Matter Accumulation, and Attenuating Water Stress Adverse Effect Via Foliar Potassium Application at Different Growth Stages. Gesunde Pflanzen, 2022, 74, 41-52.	1.7	8
606	The Differences between the Effects of a Nanoformulation and a Conventional Form of Atrazine to Lettuce: Physiological Responses, Defense Mechanisms, and Nutrient Displacement. Journal of Agricultural and Food Chemistry, 2021, 69, 12527-12540.	2.4	25
607	Effects of Salinity Stress on Some Growth, Physiological, and Biochemical Parameters in Cotton (<i>Gossypium hirsutum</i> L.) Germplasm. Journal of Natural Fibers, 2022, 19, 8854-8886.	1.7	12
608	Co-Application of Charcoal and Wood Ash to Improve Potassium Availability in Tropical Mineral Acid Soils. Agronomy, 2021, 11, 2081.	1.3	10
609	Soil Quality of Kapatagan Watershed, Lanao del Norte. Journal of Multidisciplinary Studies, 2013, 1, .	0.0	0
610	Effects of different sweet cherry rootstocks and drought stress on nutrient concentrations. Tarim Bilimleri Dergisi, 2015, 21, 431-438.	0.4	6
611	Potassium (K) Uptake. , 2015, , 43-52.		0
612	WATER STRESS TOLERANCE OF FODDER COWPEA AS INFLUENCED BY VARIOUS ADDED LEVELS OF POTASSIUM SULPHATE. Journal of Soil Sciences and Agricultural Engineering, 2015, 6, 213-231.	0.0	2
613	Relationship between the nutritional status of banana plants and black sigatoka severity in the Magdalena region of Colombia. Agronomia Colombiana, 2015, 33, 348-355.	0.1	3
615	Improving Growth and Production of Cabbage (<i>Brassica oleraceae</i> L.) with Compound Fertilizer Application. Journal of Tropical Crop Science, 2018, 4, 58-63.	0.1	0
616	Efficacy of Fertilizers and Biorationals against the Fungal Pathogen <i>Stemphylium vesicarium</i> Causing Foliar Blight of Onion. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 2925-2932.	0.0	0

#	ARTICLE	IF	CITATIONS
617	MICRONUTRIENT CONCENTRATION AND CONTENT IN PASSION FRUIT LEAVES UNDER SAMPLING METHODS AND N-K FERTILIZATION RATES. <i>Revista Brasileira De Fruticultura</i> , 2017, 39, .	0.2	0
618	Mitigation of Ozone Stress. , 2018, , 167-189.		1
619	Growth and Yield of Hybrid Corn under Different Fertilizer Applications. <i>Journal of Advanced Agricultural Technologies</i> , 2018, 5, 149-152.	0.2	1
620	Potassium and Manganese Fertilization and the Effects on Millet Seed Yield, Seed Quality, and Forage Potential of Residual Stalks. <i>Agricultural Sciences</i> , 2018, 09, 888-900.	0.2	5
621	Effect of water stress on leaf nutrient status and frequency of irrigation in various cultivars of kiwifruit. <i>Journal of Applied and Natural Science</i> , 2018, 10, 339-346.	0.2	0
622	Interaction Between <i>Oryctes Rhinoceros</i> and Leavesâ€™ Nutrient Content in Oil Palm. <i>Journal of Advances in Agriculture</i> , 0, 8, 1408-1414.	0.1	0
623	Potassium Fertilization Role in Tomato Tolerance of Water Salinity and Stress under Drip Irrigation System. <i>Journal of Soil Sciences and Agricultural Engineering</i> , 2018, 9, 295-306.	0.0	0
624	Potasyum UygulamalarÄ±nÄ±n YÄ¼ksek SÄ±caklÄ±Ä±ya Hassas Fasulye Genotiplerinde Klorofil Ä°yon ve Enzim Aktivite DeÄ±Ä±mlerine Etkileri. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 0, , 311-316.	0.1	1
625	Effect of Sulfur and Potassium Application under Salinity Stress on Productivity and Fruit Quality of Swelling Peach Cultivar. <i>Journal of Plant Production</i> , 2019, 10, 153-163.	0.0	1
626	Effects of potassium treatment on the growth of black pine (<i>Pinus nigra</i> Arnold.) seedlings. <i>OrmanÄ±lÄ±k AraÅıtÄ±rma Dergisi</i> , 2019, 6, 77-86.	0.2	1
627	INFLUENCE OF SOME SQUASH CULTIVARS AND GROWTH STIMULANTS ON FLOWERING, YIELD AND FRUIT QUALITY AT AUTUMN â€“ WINTER SEASON UNDER OPEN FIELD CONDITIONS. <i>Journal of Productivity and Development</i> , 2019, 24, 433-460.	0.0	4
628	Potassium Sources and Rates for Drip Irrigated Polyethylene Mulched Chilli Pepper. <i>Journal of Tropical Crop Science</i> , 2019, 6, 89-97.	0.1	0
631	Nutritional status of rice plants supplied with silicon in response to <i>Pyricularia oryzae</i> infection. <i>Bragantia</i> , 2019, 78, 573-578.	1.3	2
632	Productivity and Physiological Response of Fodder Beet to Drip Irrigation Regimes and Potassium Levels Under Calcareous Soil Conditions. <i>Alexandria Journal of Agricultural Sciences</i> , 2019, 64, 439-458.	0.0	2
633	Potassium in Plant Growth and Development. <i>SpringerBriefs in Plant Science</i> , 2020, , 37-43.	0.4	1
634	Optimal salt treatment alleviates detrimental effects of severe nutrient deficiencies in <i>Sesuvium portulacastrum</i> . <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	1
635	Potato Carbohydrates. , 2020, , 13-36.		4
637	Salinity Tolerance of Four Hardy Ferns from the Genus <i>Dryopteris</i> Adans. Grown under Different Light Conditions. <i>Agronomy</i> , 2021, 11, 49.	1.3	5

#	ARTICLE	IF	CITATIONS
638	Skład chemiczny i wartość biologiczna jarmużu średniowysokiego w zależności od zżyczonego nawożenia mineralnego. <i>Agronomy Science</i> , 2020, 75, .	0.1	0
639	Predicting the response of soil potassium to broccoli (<i>Brassica oleracea</i> var. <i>italica</i>) in a Gangetic Inceptisol of West Bengal, India through suitable chemical extractants. <i>Journal of Plant Nutrition</i> , 2021, 44, 931-945.	0.9	4
640	Exceeding Potassium and Zinc Application Rate above Farmers Practiced Rate Improves Dry Matter Partitioning, Photosynthetic Attributes, Yield and Quality of Maize (<i>Zea mays</i> L.) under Dryland Condition. <i>Current Journal of Applied Science and Technology</i> , 0, , 35-44.	0.3	1
641	A Study Towards the Development of Salt Tolerant Upland Cotton (<i>Gossypium Hirsutum</i> L.). <i>Journal of Natural Fibers</i> , 2022, 19, 4115-4131.	1.7	4
642	Zeolite increases paddy soil potassium fixation, partial factor productivity, and potassium balance under alternate wetting and drying irrigation. <i>Agricultural Water Management</i> , 2022, 260, 107294.	2.4	13
643	Use of Different Agronomic Practices to Minimize Ozone Injury in Plants: A Step Toward Sustainable Agriculture. , 2020, , 213-229.		1
644	Humic acid may retard damages of cells in strawberry apices in high saline environment. <i>Phytoprotection</i> , 0, 100, 22-27.	0.3	0
645	Response of Potato (<i>Solanum tuberosum</i>) in Medium Plains to Antagonistic Microbes and Potassium Fertilizers. , 0, , .		0
646	Shifts in Leaf and Branch Elemental Compositions of <i>Pinus massoniana</i> (Lamb.) Following Three-Year Rainfall Exclusion. <i>Forests</i> , 2020, 11, 113.	0.9	4
647	Variability of potassium content in the needles of Douglas-fir provenances of Canadian origin. <i>Sustainable Forestry</i> , 2020, , 29-39.	0.3	0
649	The effect of different pH on growth and mineral content of grapevine and rootstocks. <i>Acta Horticulturae</i> , 2020, , 247-250.	0.1	0
650	Potassium humate amendment regulates soil NPK supply and growth parameters of potato (<i>Solanum</i>) Tj ETQq1 1 0,784314 rgBT /Over	0.2	0
651	Effects of potassium in <i>Myracrodruon urundeuva</i> , <i>Libidibia ferrea</i> and <i>Mimosa tenuiflora</i> seedlings under a short-term water deficit. <i>Research, Society and Development</i> , 2020, 9, e97953269.	0.0	1
652	Clover Species Specific Influence on Microbial Abundance and Associated Enzyme Activities in Rhizosphere and Non-Rhizosphere Soils. <i>Agronomy</i> , 2021, 11, 2214.	1.3	6
653	Amending Potassic Fertilizer with Charcoal and Sago (<i>Metroxylon sagu</i>) Bark Ash to Improve Potassium Availability in a Tropical Acid Soil. <i>Agronomy</i> , 2021, 11, 2222.	1.3	0
654	Potassium and Water-Deficient Conditions Influence the Growth, Yield and Quality of Ratoon Sugarcane (<i>Saccharum officinarum</i> L.) in a Semi-Arid Agroecosystem. <i>Agronomy</i> , 2021, 11, 2257.	1.3	9
655	The Landscape of Alternative Splicing Regulating Potassium Use Efficiency in <i>Nicotiana tabacum</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 774829.	1.7	5
656	Comparative Growth and Ions Response to Phosphorus Application for Two Brassica Species under Salt Stress. <i>Asian Soil Research Journal</i> , 0, , 24-31.	0.0	0

#	ARTICLE	IF	CITATIONS
658	Control of Stretching of Tomato (<i>Lycopersicon esculentum</i> Mill.) on Cylindrical Paper Pot Seedling Using High-Salinity Potassium Fertilizers. <i>Protected Horticulture and Plant Factory</i> , 2020, 29, 324-364.	0.4	0
659	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
660	Potassium silicate combined with glycine betaine improved salt tolerance in <i>Dalbergia odorifera</i> . <i>Biologia Plantarum</i> , 0, 65, 323-332.	1.9	9
661	Integrative transcriptomic and metabolomic analysis of D-leaf of seven pineapple varieties differing in N-P-K% contents. <i>BMC Plant Biology</i> , 2021, 21, 550.	1.6	7
662	Reducing Drought Stress in Plants by Encapsulating Plant Growth-Promoting Bacteria with Polysaccharides. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12979.	1.8	41
663	Essential Role of Potassium in Apple and Its Implications for Management of Orchard Fertilization. <i>Plants</i> , 2021, 10, 2624.	1.6	23
664	Chemical characters of disease suppressive and conducive soil of Moler on shallot in Brebes Central Java. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 905, 012057.	0.2	2
665	Transcriptome analysis reveals the responsive pathways to potassium (K ⁺) deficiency in the roots and shoots of grapevines. <i>Scientia Horticulturae</i> , 2022, 293, 110742.	1.7	4
666	Study The Effect of Water Quality, Bio Booster (Zytonic F) and Nano NPK fertilizer on Tomato Growth and Yield. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 910, 012063.	0.2	31
667	Analyses of organic matter and heavy metal composition in formulated macroalgae-based organic fertilizer. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 913, 012024.	0.2	2
668	Impact of Biochar Soil Amendment on Tomato mosaic virus Infection, Growth and Nutrients Uptake of Tomato Plants. <i>Alexandria Science Exchange</i> , 2021, 42, 799-807.	0.0	3
670	Potash Research in Pakistan. , 2022, , 67-86.		1
671	Potassium in Plants. , 2022, , 19-27.		3
672	Simultaneous and nondestructive diagnostics of nitrogen/magnesium/potassium-deficient cucumber leaf based on chlorophyll density distribution features. <i>Biosystems Engineering</i> , 2021, 212, 458-467.	1.9	13
674	Polyploidy promotes divergent evolution across the leaf economics spectrum and plant edaphic niche in the <i>Dianthus broteri</i> complex. <i>Journal of Ecology</i> , 2022, 110, 605-618.	1.9	8
676	Ash and biochar amendment of coarse sandy soil for growing crops under drought conditions. <i>Soil Use and Management</i> , 2022, 38, 1280-1292.	2.6	11
677	Role of Potassium in Heavy Metal Stress. , 2022, , 163-182.		2
679	Potassium in plants: Growth regulation, signaling, and environmental stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 56-69.	2.8	109

#	ARTICLE	IF	CITATIONS
680	Molecular analysis indicates the involvement of Jasmonic acid biosynthesis pathway in low-potassium (K ⁺) stress response and development in chickpea (<i>Cicer arietinum</i>). <i>Environmental and Experimental Botany</i> , 2022, 194, 104753.	2.0	9
681	TMT based proteomic profiling of <i>Sophora alopecuroides</i> leaves reveal flavonoid biosynthesis processes in response to salt stress. <i>Journal of Proteomics</i> , 2022, 253, 104457.	1.2	6
682	Improvement of frost tolerance in tomato by foliar application of potassium sulphate. <i>Scientia Horticulturae</i> , 2022, 295, 110868.	1.7	4
683	Maize (<i>Zea mays</i> L.) Response to Potassium Application and K ⁺ Uptake in the Soil: A Review. <i>Agricultural Reviews</i> , 2020, 41, .	0.1	0
684	Impact of different Irrigation Levels and Foliar Spraying with some Potassium Forms on Growth and Productivity of Garlic (<i>Allium sativum</i> L.)	0.0	0
685	Potassium Mobility Potential of Forest Soil In Kurdistan Region, Iraq, As Estimated By Quantity-Intensity (Q/I) Relationships. <i>Journal of Geoinformatics & Environmental Research</i> , 2020, 1, 11-19.	0.2	2
686	How withdrawing arable land affected the productive capacity of Haplic Kastanozems after 19 years of fallowing in dry steppes of the Ural piedmont. <i>Zemljiste I Biljka</i> , 2021, 70, 10-32.	0.6	0
687	Effect of integrated potassium nutrition on Fusarium wilt tolerance in apple bananas. <i>African Journal of Plant Science</i> , 2021, 15, 257-265.	0.4	8
690	Transcriptomic, Metabolomic and Ionic Analyses Reveal Early Modulation of Leaf Mineral Content in <i>Brassica napus</i> under Mild or Severe Drought. <i>International Journal of Molecular Sciences</i> , 2022, 23, 781.	1.8	6
692	Whole-Genome Sequencing and Potassium-Solubilizing Mechanism of <i>Bacillus aryabhatai</i> SK1-7. <i>Frontiers in Microbiology</i> , 2021, 12, 722379.	1.5	13
693	Role of Potassium in Plant Photosynthesis, Transport, Growth and Yield. , 2022, , 1-14.		3
694	High-affinity K ⁺ transporters and their functions in plants. , 2022, , 49-61.		1
697	The effect of atmospheric deposition on potassium accumulation in several tree species as a biomonitor. <i>Environmental Research and Technology</i> , 2022, 5, 94-100.	0.8	7
698	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
699	Microbiome-wide association studies between phyllosphere microbiota and ionome highlight the beneficial symbiosis of <i>Lactococcus lactis</i> in alleviating aluminium in cassava. <i>Plant Physiology and Biochemistry</i> , 2022, 171, 66-74.	2.8	5
700	The effects of ectomycorrhizal inoculation on survival and growth of <i>Pinus thunbergii</i> seedlings planted in saline soil. <i>Symbiosis</i> , 2022, 86, 71-80.	1.2	8
701	Nutraceutical and preservative potential of <i>Acacia mearnsii</i> and <i>Acacia dealbata</i> leaves for ruminant production and product quality enhancement. <i>Journal of Agricultural Science</i> , 2021, 159, 743-756.	0.6	7
702	Potassium signaling in plant abiotic responses: Crosstalk with calcium and reactive oxygen species/reactive nitrogen species. <i>Plant Physiology and Biochemistry</i> , 2022, 173, 110-121.	2.8	15

#	ARTICLE	IF	CITATIONS
703	Physiological, Biochemical and Morphological Tolerance Mechanisms of Faba Bean (<i>Vicia faba</i> L.) to the Combined Stress of Water Deficit and Phosphorus Limitation. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , 1.	1.7	4
705	Soil Nutritional Status Drives the Co-occurrence of Nodular Bacterial Species and Arbuscular Mycorrhizal Fungi Modulating Plant Nutrition and Growth of <i>Vigna unguiculata</i> L. (Walp) in Grassland and Savanna Ecosystems in KwaZulu-Natal, South Africa. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , 1.	1.7	7
706	Changes in Morpho-Anatomical and Eco-Physiological Responses of <i>Viburnum tinus</i> L. var <i>lucidum</i> as Modulated by Sodium Chloride and Calcium Chloride Salinization. <i>Horticulturae</i> , 2022, 8, 119.	1.2	3
707	Soil microbial communities of dryland legume plantations are more complex than non-legumes. <i>Science of the Total Environment</i> , 2022, 822, 153560.	3.9	11
708	Effect of field pea (<i>Pisum sativum</i> subsp. <i>arvense</i> (L.) Asch.) and pea-oat (<i>Avena sativa</i> L.) biculture cover crops on high tunnel vegetable under organic production system. <i>Organic Agriculture</i> , 2022, 12, 91-106.	1.2	2
709	Seeding density and nutrient management practice influence yield; quality and nutrient use efficiency of flax grown under sub-tropical humid Himalayan tarai. <i>Industrial Crops and Products</i> , 2022, 178, 114616.	2.5	0
710	Assessing technical and commercial aspects of soil microbiome in growing leguminous plants and formation of bio-fertilizer. , 2022, , 93-115.		0
711	Evaluation of the effects of late-season fertilization on the growth, physiology, and nutritional status of <i>Alnus formosana</i> (Burkill) Makino. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	1.0	0
712	Poplarâ€™s Waterlogging Resistance Modeling and Evaluating: Exploring and Perfecting the Feasibility of Machine Learning Methods in Plant Science. <i>Frontiers in Plant Science</i> , 2022, 13, 821365.	1.7	2
713	Biochemical response and nutrient uptake of two arbuscular mycorrhiza-inoculated chamomile varieties under different osmotic stresses. , 2021, 62, 22.		4
714	Potassium-Induced Drought Tolerance of Potato by Improving Morpho-Physiological and Biochemical Attributes. <i>Agronomy</i> , 2021, 11, 2573.	1.3	16
715	Mechanistic Insights into Potassium-Conferred Drought Stress Tolerance in Cultivated and Tibetan Wild Barley: Differential Osmoregulation, Nutrient Retention, Secondary Metabolism and Antioxidative Defense Capacity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13100.	1.8	7
717	Application of Potassium along with Nitrogen under Varied Moisture Regimes Improves Performance and Nitrogen-Use Efficiency of High- and Low-Potassium Efficiency Cotton Cultivars. <i>Agronomy</i> , 2022, 12, 502.	1.3	9
718	Effect of Potassium Supply and Water Stress on Potato Drought Tolerance and Water Productivity. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 1100-1112.	0.6	0
719	Effect of calcium and silicon fertilization after flowering on pineapple mineral status and flesh translucency. <i>Plant Physiology Reports</i> , 2022, 27, 96-108.	0.7	2
720	The Response of Globe Artichoke Plants to Potassium Fertilization Combined with the Foliar Spraying of Seaweed Extract. <i>Agronomy</i> , 2022, 12, 490.	1.3	6
721	Effects of soil resource availability on patterns of plant functional traits across spatial scales. <i>Ecology and Evolution</i> , 2022, 12, e8587.	0.8	2
722	Leaf potassium status for drought tolerance: The hunt for promising sesame (<i>Sesamum indicum</i>) Tj ETQq1 1,0,784314 rgBT /Ove	0,9	5

#	ARTICLE	IF	CITATIONS
723	Effectiveness of Cattle Bone Ash Nano Particle as a Source of P to Replace SP 36 Fertilizer in Sweet Corn Cultivation in Entisol soil. IOP Conference Series: Earth and Environmental Science, 2022, 985, 012055.	0.2	0
724	Climate change influences foliar nutrition and metabolism of red maple (<i>Acer rubrum</i>) trees in a northern hardwood forest. Ecosphere, 2022, 13, .	1.0	1
725	Yield response of tef (<i>Eragrostis tef</i>) to nitrogen, phosphorus, potassium and sulphur under balanced fertilization on Vertisols in different agroecological zones of Ethiopia. Experimental Agriculture, 0, , 1-14.	0.4	2
726	Investigating applied drought in <i>Miscanthus sinensis</i> ; sensitivity, response mechanisms, and subsequent recovery. GCB Bioenergy, 0, , .	2.5	2
727	Oil palm (<i>Elaeis guineensis</i> Jacq.) genetic differences in mineral nutrition: specific leaflet mineral concentrations of high-yielding oil palm progenies and their implications for managing K and Mg nutrition. Plant and Soil, 2022, 475, 279-292.	1.8	1
728	A polishing the harmful effects of Broad Bean Mottle Virus infecting broad bean plants by enhancing the immunity using different potassium concentrations. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2022, 50, 12654.	0.5	16
729	The Implication of Manganese Surplus on Plant Cell Homeostasis: A Review. Journal of Plant Growth Regulation, 2023, 42, 1327-1341.	2.8	10
730	Effect of slow release nitrogenous fertilizers and biochar on growth, physiology, yield, and nitrogen use efficiency of sunflower under arid climate. Environmental Science and Pollution Research, 2022, 29, 52520-52533.	2.7	7
731	Overexpression of <i>OsHAK5</i> potassium transporter enhances virus resistance in rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	11
732	Effect of potassium fertilization on water productivity, irrigation water use efficiency, and grain quality under direct seeded rice-wheat cropping system. Journal of Plant Nutrition, 2022, 45, 2023-2038.	0.9	7
733	Ionic responses of hydroponic-grown basil (<i>Ocimum basilicum</i> L.) to cadmium long-time exposure. Metallomics, 2022, , .	1.0	3
734	Response of maize yield to nitrogen, phosphorus, potassium and sulphur rates on Andosols and Nitisols in Ethiopia. Experimental Agriculture, 2022, 58, .	0.4	4
735	Cold stress in plants: Strategies to improve cold tolerance in forage species. Plant Stress, 2022, 4, 100081.	2.7	35
736	Red-seaweed biostimulants differentially alleviate the impact of fungicidal stress in rice (<i>Oryza sativa</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 12	1.6	12
737	Effect of Hydro and KNO ₃ Priming on Seed Germination of Cotton (<i>Gossypium hirsutum</i> L.) Under Gnotobiotic Conditions. Journal of Plant Growth Regulation, 2023, 42, 1592-1603.	2.8	3
738	Effects of Nano-Potassium Fertilizer on Yield and Water Use Efficiency of Soybean Under Water Deficit Conditions (Case Study: Moghan Plain, Iran). Communications in Soil Science and Plant Analysis, 2022, 53, 1542-1551.	0.6	3
739	Leaf physiological traits of plants from the Qinghai-Tibet Plateau and other arid sites in China: Identifying susceptible species and well-adapted extremophiles. Journal of Plant Physiology, 2022, 272, 153689.	1.6	7
740	Exploring the agricultural reutilisation of desalination reject brine from reverse osmosis technology. Desalination, 2022, 529, 115644.	4.0	5

#	ARTICLE	IF	CITATIONS
741	Silicon mitigates potassium deficiency by enhanced remobilization and modulated potassium transporter regulation. <i>Environmental and Experimental Botany</i> , 2022, 198, 104849.	2.0	11
742	Effects of potassium foliage supplementation on <i>Coix lacryma-jobi</i> L. yield formation and source-sink relationship compared with those of soil supplementation. <i>Industrial Crops and Products</i> , 2022, 180, 114754.	2.5	1
743	Application of composts and potassium sulphate on root rot incidence, morphological growth, yield components, oil content and constituents of marjoram plants (<i>Majorana hortensis</i> L.). <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 42, 102334.	1.5	2
744	Functionalized PEDOT:PSS based sensor array for determination of metallic ions in smart agriculture. , 2021, , .		3
745	Potassium deficiency inhibits leaf growth and promotes leaf necrotic spots in <i>Neolamarckia cadamba</i> (Roxb.) Bosser. <i>Tree Physiology</i> , 2021, , .	1.4	1
746	Optimization of Potassium Supply under Osmotic Stress Mitigates Oxidative Damage in Barley. <i>Plants</i> , 2022, 11, 55.	1.6	10
747	Efecto de la fertilizaci3n en el crecimiento de <i>Retrophyllum rospigliosii</i> de la zona andina colombiana. <i>Madera Bosques</i> , 2021, 27, e2732315.	0.1	0
748	Agroecological management with intra- and interspecific diversification as an alternative to conventional soil nutrient management in family maize farming. <i>Agroecology and Sustainable Food Systems</i> , 2022, 46, 364-391.	1.0	3
749	Genome-Wide Identification and Expression Profiling of Potassium Transport-Related Genes in <i>Vigna radiata</i> under Abiotic Stresses. <i>Plants</i> , 2022, 11, 2.	1.6	11
750	Above- and belowground drivers of intraspecific trait variability across subcontinental gradients for five ubiquitous forest plants in North America. <i>Journal of Ecology</i> , 2022, 110, 1590-1605.	1.9	8
751	A review of crop water productivity in the Mediterranean basin under a changing climate: Wheat and barley as test cases. <i>Irrigation and Drainage</i> , 2022, 71, 51-70.	0.8	4
752	Does Potassium Silicate Improve Physiological and Agronomic Traits and Oil Compositions of Rapeseed Genotypes Under Well-Watered and Water-Limited Conditions?. <i>Gesunde Pflanzen</i> , 2022, 74, 801-816.	1.7	6
753	Genome-wide identification, molecular characterization, and gene expression analyses of honeysuckle NHX antiporters suggest their involvement in salt stress adaptation. <i>PeerJ</i> , 2022, 10, e13214.	0.9	6
754	Effect of potassium and magnesium application on growth, yield and nutrient uptake of rainfed maize in the sub-montaneous region of Punjab, India. <i>Journal of Plant Nutrition</i> , 2022, 45, 2202-2212.	0.9	4
755	Titanium Increases the Antioxidant Activity and Macronutrient Concentration in Tomato Seedlings Exposed to Salinity in Hydroponics. <i>Plants</i> , 2022, 11, 1036.	1.6	6
756	Plant Growth-Promoting Microbes: Role and Prospective in Amelioration of Salt Stress. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 1692-1711.	0.6	18
757	Total annual effective dose and health risk due to intake of natural radionuclides of some vegetables cultivated in suburban Ho Chi Minh City, Vietnam. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 2359-2367.	0.7	1
758	Variation of radioactivity and trace metal elements during the growth period of water spinach. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 0, , 1.	0.7	0

#	ARTICLE	IF	CITATIONS
759	Responsible plant nutrition: A new paradigm to support food system transformation. <i>Global Food Security</i> , 2022, 33, 100636.	4.0	28
760	The role of potassium on drought resistance of winter wheat cultivars under cold dryland conditions: Probed by chlorophyll a fluorescence. <i>Plant Physiology and Biochemistry</i> , 2022, 182, 45-54.	2.8	25
761	Isolation and identification of <i>Bacillus vallismortis</i> HSB-2 and its biocontrol potential against apple replant disease. <i>Biological Control</i> , 2022, 170, 104921.	1.4	7
762	Morpho-physiology and cannabinoid concentrations of hemp (<i>Cannabis sativa</i> L.) are affected by potassium fertilisers and microbes under tropical conditions. <i>Industrial Crops and Products</i> , 2022, 182, 114907.	2.5	6
783	Constitutive and Adaptive Traits of Environmental Stress Tolerance in the Threatened Halophyte <i>Limonium angustibracteatum</i> Erben (Plumbaginaceae). <i>Plants</i> , 2022, 11, 1137.	1.6	3
784	Maize and Wheat Response to Drought Stress under Varied Sulphur Fertilisation. <i>Agronomy</i> , 2022, 12, 1076.	1.3	13
785	Bitkilerde kuraklığa duyarlı miRNA'lar: derleme. <i>International Journal of Innovative Engineering Applications</i> , 2022, 6, 150-157.	0.1	2
786	Potassium and phosphorus content ratio in hydroponic culture affects tomato plant growth and nutrient uptake. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 763-774.	1.4	1
787	Proteomic, Biochemical, and Morphological Analyses of the Effect of Silver Nanoparticles Mixed with Organic and Inorganic Chemicals on Wheat Growth. <i>Cells</i> , 2022, 11, 1579.	1.8	5
788	Species-specific elementomes for scleractinian coral hosts and their associated Symbiodiniaceae. <i>Coral Reefs</i> , 2022, 41, 1115-1130.	0.9	5
789	Seed Priming and Foliar Application of Nutrients Influence the Productivity of Relay Grass Pea (<i>Lathyrus sativus</i> L.) through Accelerating the Photosynthetically Active Radiation (PAR) Use Efficiency. <i>Agronomy</i> , 2022, 12, 1125.	1.3	9
790	Effect of Potassium Silicate on Seed Yield and Fatty Acid Composition of Rapeseed (<i>Brassica napus</i> L.) Genotypes Under Different Irrigation Regimes. <i>Silicon</i> , 2022, 14, 11927-11938.	1.8	5
791	Biodiversity of Photosynthetic Pigments, Macronutrients Uptake and Fruit Quality of Tomato Genotypes. <i>Russian Journal of Plant Physiology</i> , 2022, 69, .	0.5	7
792	Response of olive (<i>Olea europaea</i> L.) trees to foliar spray of nano chelated and chemical potassium fertilizers. <i>Journal of Plant Nutrition</i> , 2023, 46, 1159-1171.	0.9	2
794	Changes in soil chemical properties and plant species composition during primary succession on an oceanic island. <i>Journal of Vegetation Science</i> , 0, , .	1.1	2
795	Effect of Potassium (K) Supply on Cannabinoids, Terpenoids and Plant Function in Medical Cannabis. <i>Agronomy</i> , 2022, 12, 1242.	1.3	28
796	Potassium: a vital nutrient mediating stress tolerance in plants. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2022, 31, 705-719.	0.9	3
797	Investigation of Some Properties of Chemical Fertilizers Using Gamma-ray Spectrometry and Energy Dispersive X-ray Fluorescence Spectrometry. <i>Instruments and Experimental Techniques</i> , 2022, 65, 482-490.	0.1	2

#	ARTICLE	IF	CITATIONS
798	Tree species that "live slow, die older"™ enhance tropical peat swamp restoration: Evidence from a systematic review. <i>Journal of Applied Ecology</i> , 2022, 59, 1950-1966.	1.9	6
799	Co-overexpression of AVP1, PP2A-C5, and AtCLCc in <i>Arabidopsis thaliana</i> greatly increases tolerance to salt and drought stresses. <i>Environmental and Experimental Botany</i> , 2022, 200, 104934.	2.0	4
800	Ä°kinci ÄœerÄ¼n Pamukta (<i>Gossypium hirsutum</i> L.) Verim ve Kalite Ä–zelliklerine Harpin Proteini ve Potasyum TiyosÄ¼lfat Yaprak UygulamasÄ±nÄ±n EtkinliÄyi Äœezerine Bir Ä–n Ä¼alÄ±Äyma. <i>Adnan Menderes Äœeniversitesi Ziraat FakÄ¼ltesi Dergisi</i> , 0, , .		0
801	Recovery of trembling aspen, tamarack, and white spruce seedlings from NaCl stress following winter dormancy: implications for increased foliar potassium, necrosis, and sodium management as stress resistance mechanisms. <i>Trees - Structure and Function</i> , 2022, 36, 1633-1648.	0.9	1
802	Potassium sources, microorganisms and plant nutrition: Challenges and future research directions. <i>Pedosphere</i> , 2023, 33, 105-115.	2.1	25
803	Calcium and Potassium Accumulation during the Growing Season in Cabernet Sauvignon and Merlot Grape Varieties. <i>Plants</i> , 2022, 11, 1536.	1.6	1
804	Assessment of Some Selected Cultivars of Almond on GF677 Rootstock in Drought Stress Conditions. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 0, , 383-393.	0.1	0
805	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
806	Mycorrhiza-mediated potassium transport in <i>Medicago truncatula</i> can be evaluated by using rubidium as a proxy. <i>Plant Science</i> , 2022, 322, 111364.	1.7	1
807	Purification and Characterization of Gum-Derived Polysaccharides of <i>Moringa oleifera</i> and <i>Azadirachta indica</i> and Their Applications as Plant Stimulants and Bio-Pesticidal Agents. <i>Molecules</i> , 2022, 27, 3720.	1.7	9
808	Salinity effects on rice, rice weeds, and strategies to secure crop productivity and effective weed control. A review. <i>Agronomy for Sustainable Development</i> , 2022, 42, .	2.2	4
809	Barley with improved drought tolerance: Challenges and perspectives. <i>Environmental and Experimental Botany</i> , 2022, 201, 104965.	2.0	11
810	Flower Regulation in Floriculture: An Agronomic Concept and Commercial Use. <i>Journal of Plant Growth Regulation</i> , 0, , .	2.8	5
811	Potassium deficiency limits water deficit tolerance of rice by reducing leaf water potential and stomatal area. <i>Agricultural Water Management</i> , 2022, 271, 107744.	2.4	6
812	Root K ⁺ homeostasis and signalling as a determinant of salinity stress tolerance in cultivated and wild rice species. <i>Environmental and Experimental Botany</i> , 2022, 201, 104944.	2.0	8
813	Identification and Characterization of Shaker K ⁺ Channel Gene Family in Foxtail Millet (<i>Setaria italica</i>) and Their Role in Stress Response. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
814	Toward Sustainable Cocoa (<i>Theobroma cacao</i> L) Production: The Role of Potassium Fertilizer in Cocoa Seedlings Drought Recovery and Survival. <i>International Journal of Fruit Science</i> , 2022, 22, 618-627.	1.2	6
815	Improving Drought Stress Tolerance in Ramie (<i>Boehmeria nivea</i> L.) Using Molecular Techniques. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4

#	ARTICLE	IF	CITATIONS
816	Foliar Spraying with Potassium Bicarbonate Reduces the Negative Impact of Drought Stress on Sweet Basil (<i>Ocimum basilicum</i> L.). <i>Plants</i> , 2022, 11, 1716.	1.6	1
817	Nutrient Elements Promote Disease Resistance in Tomato by Differentially Activating Immune Pathways. <i>Phytopathology</i> , 2022, 112, 2360-2371.	1.1	2
818	The CBL-CPK network is involved in the physiological crosstalk between plant growth and stress adaptation. <i>Plant, Cell and Environment</i> , 2023, 46, 3012-3022.	2.8	15
819	Discoloration of Raw and Cooked Potatoes: Fundamentals of Nature, Mechanisms, Causes, Measurements, and Controls. <i>American Journal of Potato Research</i> , 2022, 99, 287-306.	0.5	3
820	Recent advances in the chemistry of nitrogen, phosphorus and potassium as fertilizers in soil: A review. <i>Pedosphere</i> , 2023, 33, 385-406.	2.1	14
821	Distinct microbiome and nutrient status of a saline hydromorphic soil under rice cultivation in comparison with laterite soil. <i>Ecological Genetics and Genomics</i> , 2022, 24, 100133.	0.3	0
823	Transcriptome and Metabonomic Analysis of <i>Tamarix ramosissima</i> Potassium (K ⁺) Channels and Transporters in Response to NaCl Stress. <i>Genes</i> , 2022, 13, 1313.	1.0	12
824	A quantitative evaluation of the biochar's influence on plant disease suppress: a global meta-analysis. <i>Biochar</i> , 2022, 4, .	6.2	15
825	Plant Nutrition: An Effective Way to Alleviate Abiotic Stress in Agricultural Crops. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8519.	1.8	60
826	Genetic Variability of Some Tomato Yellow Leaf Curl Virus Isolates and the Effect of the Virus on the Tomato (<i>Solanum lycopersicom</i> L.) Plant Content of Some Mineral Elements. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1060, 012106.	0.2	0
827	Effect of Nano-Fertilizers on Alfalfa Plants Grown under Different Salt Stresses in Hydroponic System. <i>Agriculture (Switzerland)</i> , 2022, 12, 1113.	1.4	8
828	Silica nanoparticles activate defense responses by reducing reactive oxygen species under <i>Ralstonia solanacearum</i> infection in tomato plants. <i>NanoImpact</i> , 2022, 28, 100418.	2.4	19
829	Impact of polyploidy on plant tolerance to abiotic and biotic stresses. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	36
830	Drought specifically downregulates mineral nutrition: Plant ionic content and associated gene expression. <i>Plant Direct</i> , 2022, 6, .	0.8	9
831	Growth Analysis in Sugarcane Ratoon Crop as Influenced by Potassium Nutrition in Subtropical India. <i>Communications in Soil Science and Plant Analysis</i> , 0, , 1-13.	0.6	0
833	Novel insights into factors associated with yield response and nutrient use efficiency of maize and rice in sub-Saharan Africa. A review. <i>Agronomy for Sustainable Development</i> , 2022, 42, .	2.2	6
835	Melatonin confers fenugreek tolerance to salinity stress by stimulating the biosynthesis processes of enzymatic, non-enzymatic antioxidants, and diosgenin content. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	8
836	Simulating water and potassium uptake of greenhouse tomato as a function of salinity stress. <i>Irrigation Science</i> , 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
837	Crop Root Responses to Drought Stress: Molecular Mechanisms, Nutrient Regulations, and Interactions with Microorganisms in the Rhizosphere. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9310.	1.8	26
838	Growth, Yield, Quality and Insect-Pests in Sugarcane (<i>Saccharum officinarum</i>) as Affected by Differential Regimes of Irrigation and Potash under Stressed Conditions. <i>Agronomy</i> , 2022, 12, 1942.	1.3	3
839	Comparative effects of nitrogen, phosphorus and potassium on <i>Radopholus similis</i> infection in East African highland banana plants as influenced by rhizosphere biota. <i>Scientific African</i> , 2022, 17, e01320.	0.7	1
840	Phenolic acids as chemotaxonomic markers able to differentiate the <i>Euphrasia</i> species. <i>Phytochemistry</i> , 2022, 203, 113342.	1.4	3
841	Effects of elevated ozone on the uptake and allocation of macronutrients in poplar saplings above- and belowground. <i>Science of the Total Environment</i> , 2022, 851, 158044.	3.9	1
842	Prediction of the Effect of Nutrients on Plant Parameters of Rice by Artificial Neural Network. <i>Agronomy</i> , 2022, 12, 2123.	1.3	11
843	Reduced pollen activity in peanut (<i>Arachis hypogaea</i> L.) by long-term monocropping is linked to flower water deficit. <i>Plant and Soil</i> , 2023, 482, 427-450.	1.8	3
844	Application of potassium humate to reduce arsenic bioavailability and toxicity in rice plants (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overl 120066.	3.7	8
845	Integrative Approach of the Root Architecture by Interaction Between Auxin and Nutrients. <i>Signaling and Communication in Plants</i> , 2022, , 125-152.	0.5	0
846	Effect of Potassium Source and Dose on Yield and Quality of Strawberry Fruit. <i>American Journal of Plant Sciences</i> , 2022, 13, 1196-1208.	0.3	3
847	Quantum yield, chlorophyll, and cell damage in yellow passion fruit under irrigation strategies with brackish water and potassium. <i>Brazilian Journal of Biology</i> , 0, 82, .	0.4	1
848	On farm evaluation of preplant soil test P and K in double-crop soybeans. , 2022, 5, .		0
849	Screening certain mung bean varieties against thrips (Thysanoptera: Thripidae) and exploration of resistance sources. , 2022, 5, .		2
850	Improving Sugar Beet Production Under Salinity Conditions. , 2022, , 459-471.		0
851			

#	ARTICLE	IF	CITATIONS
856	Rapid quantitative analysis of potassium in soil based on direct-focused laser ablation-laser induced breakdown spectroscopy. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	3
857	Kaolin Spray Improves Growth, Physiological Functions, Yield, and Nut Quality of "Tardy Nonpareil"™ Almond Under Deficit Irrigation Regimens. <i>Erwerbs-Obstbau</i> , 2023, 65, 989-1001.	0.5	3
858	Genome-wide identification and multiple abiotic stress transcript profiling of potassium transport gene homologs in <i>Sorghum bicolor</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
859	Effect of Potassium Application Rate on Dry Matter Yield and Forage Nutritive Value in Alfalfa. <i>Current Agriculture Research Journal</i> , 2022, 10, 68-76.	0.3	0
860	Diversity and Functions of Biostimulants in Crop Plants. , 2022, , 21-35.		0
861	Tolerance to water deficiency in safflower (<i>Carthamus tinctorius</i> L.) modulated by potassium fertilization. <i>Acta Physiologiae Plantarum</i> , 2022, 44, .	1.0	4
862	Altura, diâmetro e número de Colmos de variedades de cana-de-açúcar não são influenciados por adubaçãõ potássica. <i>Brazilian Journal of Development</i> , 2022, 8, 62125-62135.	0.0	0
863	Soil chemistry and fungal communities are associated with dieback in an Endangered Australian shrub. <i>Plant and Soil</i> , 2023, 483, 47-70.	1.8	3
864	Mineral mass balances reveal the phenology of evergreen and deciduous tree crops' nutrient uptake. <i>Irrigation Science</i> , 0, , .	1.3	0
865	Mild and severe salt stress responses are age-dependently regulated by abscisic acid in tomato. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	8
866	Recent updates on the physiology and evolution of plant TPK/KCO channels. <i>Functional Plant Biology</i> , 2023, 50, 17-28.	1.1	2
867	Introduction of <i>Bacillus thuringiensis</i> (Bt) gene does not reduce potassium use efficiency of Bt transgenic cotton (<i>Gossypium hirsutum</i> L.). <i>Journal of Cotton Research</i> , 2022, 5, .	1.0	0
868	Weak genetic differentiation but strong climate-induced selective pressure toward the rear edge of mountain pine in north-eastern Spain. <i>Science of the Total Environment</i> , 2022, , 159778.	3.9	6
869	Seaweed Extract Improves Growth and Productivity of Tomato Plants under Salinity Stress. <i>Agronomy</i> , 2022, 12, 2495.	1.3	15
870	Nutrient Accumulation in Cover Crops under Contrasting Water Regimes in the Brazilian Cerrado. <i>Atmosphere</i> , 2022, 13, 1617.	1.0	0
871	Possibility of Producing Tulip Bulblet Under Drought Stress Using Potassium and Phosphorus Solubilizing Bacteria. <i>Communications in Soil Science and Plant Analysis</i> , 2023, 54, 819-835.	0.6	2
872	<i>Glycine max</i> (L.) Merr. (Soybean) metabolome responses to potassium availability. <i>Phytochemistry</i> , 2023, 205, 113472.	1.4	4
873	Physiological Responses and Tolerance of Halophyte <i>Sesuvium portulacastrum</i> L. to Cesium. <i>Advances in Agriculture</i> , 2022, 2022, 1-7.	0.3	1

#	ARTICLE	IF	CITATIONS
874	The Regulation of Ion Homeostasis, Growth, and Biomass Allocation in Date Palm Ex Vitro Plants Depends on the Level of Water Salinity. Sustainability, 2022, 14, 12676.	1.6	1
875	Effect of Potassium Deficiency on Physiological Responses and Anatomical Structure of Basil, <i>Ocimum basilicum</i> L.. Biology, 2022, 11, 1557.	1.3	2
876	Plant mineral nutrition and disease resistance: A significant linkage for sustainable crop protection. Frontiers in Plant Science, 0, 13, .	1.7	34
877	Comparison of grain sorghum and alfalfa for providing heavy metal remediation of sandy soil with different soil amendments and salt stress. Frontiers in Environmental Science, 0, 10, .	1.5	3
878	Bioinoculants as mitigators of multiple stresses: A ray of hope for agriculture in the darkness of climate change. Heliyon, 2022, 8, e11269.	1.4	6
879	Functional genomics to understand the tolerance mechanism against biotic and abiotic stresses in <i>Capsicum</i> species. , 2023, , 305-332.		1
880	Resiliencies of soil phosphorus fractions after natural summer fire are governed by microbial activity and cation availability in a semi-arid Inceptisol. Environmental Research, 2023, 216, 114583.	3.7	2
881	Seed nanoprimering: How do nanomaterials improve seed tolerance to salinity and drought?. Chemosphere, 2023, 310, 136911.	4.2	13
882	Cellulosic pine needles-based biorefinery for a circular bioeconomy. Bioresource Technology, 2023, 367, 128255.	4.8	40
883	Application of Potassium after Waterlogging Improves Quality and Productivity of Soybean Seeds. Life, 2022, 12, 1816.	1.1	3
884	Proteomic Analysis of Roots Response to Potassium Deficiency and the Effect of TaHAK1-4A on K ⁺ Uptake in Wheat. International Journal of Molecular Sciences, 2022, 23, 13504.	1.8	2
885	Alleviation Mechanism of Melatonin in Chickpea (<i>Cicer arietinum</i> L.) under the Salt Stress Conditions. Horticulturae, 2022, 8, 1066.	1.2	8
886	Single and combined effects of fertilization, ectomycorrhizal inoculation, and drought on container-grown Japanese larch seedlings. Journal of Forestry Research, 2023, 34, 1077-1094.	1.7	15
887	Carbon allocation in cassava is affected by water deficit and potassium application – A ¹³ C pulse labelling assessment. Rapid Communications in Mass Spectrometry, 2023, 37, .	0.7	4
888	Impact of potassium starvation on the uptake, transportation, photosynthesis, and abiotic stress tolerance. Plant Growth Regulation, 2023, 99, 429-448.	1.8	11
889	Relationship between fertilization and planting depths on antioxidant activity in saffron (<i>Crocus</i>) TJ ETQq1 1 0.784314 rgBT /Overlock 2,5		2
890	NPS Fertilizer and Spacing Effects on Yield and Quality of Coriander (<i>Coriandrum sativum</i> L.). Journal of Plant Sciences, 2023, 18, 12-21.	0.2	1
891	Environmental and economic benefits of substituting chemical potassium fertilizer with crop straw residues in China. Environmental Science and Pollution Research, 2023, 30, 30603-30611.	2.7	6

#	ARTICLE	IF	CITATIONS
892	Potassium deficiency causes more nitrate nitrogen to be stored in leaves for low-K sensitive sweet potato genotypes. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
893	Transcriptomic analysis reveals the mechanism of the alleviation of salt stress by salicylic acid in pepper (<i>Capsicum annuum</i> L.). <i>Molecular Biology Reports</i> , 2023, 50, 3593-3606.	1.0	2
894	Biogeochemical niche conservatism relates to plant species diversification and life form evolution in a subtropical montane evergreen broadleaved forest. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	1
895	Genome-wide characterization and expression analysis of the HAK gene family in response to abiotic stresses in <i>Medicago</i> . <i>BMC Genomics</i> , 2022, 23, .	1.2	1
896	Potassium application enhances drought tolerance in sesame by mitigating oxidative damage and regulating osmotic adjustment. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	11
897	Developing a Roadmap to Define a Potential Ideotype for Drought Tolerance in <i>Eucalyptus</i> . <i>Forest Science</i> , 2023, 69, 101-114.	0.5	3
898	Potassium transporter KUP9 participates in K ⁺ distribution in roots and leaves under low K ⁺ stress. <i>Stress Biology</i> , 2022, 2, .	1.5	8
899	Effect of Phosphorus and Potassium Fertilizers Application on Soil Chemical Characteristics and Their Accumulation in Potato Plant Tissues. <i>Applied and Environmental Soil Science</i> , 2022, 2022, 1-8.	0.8	5
900	Functional and biotechnological cues of potassium homeostasis for stress tolerance and plant development. <i>Biotechnology and Genetic Engineering Reviews</i> , 0, , 1-44.	2.4	2
901	<i>Microbacterium oxydans</i> Regulates Physio-Hormonal and Molecular Attributes of <i>Solanum lycopersicum</i> under Drought Stress. <i>Agronomy</i> , 2022, 12, 3224.	1.3	7
902	Potassium ameliorates cotton (<i>Gossypium hirsutum</i> L.) fiber length by regulating osmotic and K ⁺ /Na ⁺ homeostasis under salt stress. <i>Physiologia Plantarum</i> , 2023, 175, .	2.6	4
903	The Transcriptional Responses of Ectomycorrhizal Fungus, <i>Cenococcum geophilum</i> , to Drought Stress. <i>Journal of Fungi (Basel, Switzerland)</i> , 2023, 9, 15.	1.5	5
904	Overview of Nutrient and Disease Management in Banana. , 2021, , 55-78.		1
905	Efficient potassium (K) recycling and root carbon (C) metabolism improve K use efficiency in pear rootstock genotypes. <i>Plant Physiology and Biochemistry</i> , 2023, 196, 43-54.	2.8	1
906	Plant salt response: Perception, signaling, and tolerance. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	28
907	The Metabolic Interaction of Potassium Salt of Active Phosphorus (PSAP) and Its Stimulatory Effects on the Growth and Productivity of Sugarcane Under Stressful Environment. , 2022, , 403-426.		0
908	The influences of stomatal size and density on rice abiotic stress resilience. <i>New Phytologist</i> , 2023, 237, 2180-2195.	3.5	17
909	Regulatory Mechanisms of Plant Growth-Promoting Rhizobacteria and Plant Nutrition against Abiotic Stresses in Brassicaceae Family. <i>Life</i> , 2023, 13, 211.	1.1	18

#	ARTICLE	IF	CITATIONS
910	Leaf sodium homeostasis controlled by salt gland is associated with salt tolerance in mangrove plant <i>Avicennia marina</i> . <i>Tree Physiology</i> , 2023, 43, 817-831.	1.4	5
911	A Simple Reversed Iontophoresis-Based Sensor to Enable In Vivo Multiplexed Measurement of Plant Biomarkers Using Screen-Printed Electrodes. <i>Sensors</i> , 2023, 23, 780.	2.1	3
912	Integrative transcriptomic, metabolomic and physiological analyses revealed the physiological and molecular mechanisms by which potassium regulates the salt tolerance of cotton (<i>Gossypium</i>). <i>Overlock</i> , 2023, 10, 65.	1.0	0
913	Appropriate increasing potassium supply alleviates the inhibition of high nitrogen on root growth by regulating antioxidant system, hormone balance, carbon assimilation and transportation in apple. <i>Scientia Horticulturae</i> , 2023, 311, 111828.	1.7	5
914	Evaluation of biochemical and molecular response of onion breeding lines to drought and salt stresses. <i>Scientia Horticulturae</i> , 2023, 311, 111802.	1.7	1
915	Effect of Nutrient Levels on Waterlogging Stress in Ginseng Cultivation. <i>Korean Journal of Medicinal Crop Science</i> , 2022, 30, 440-449.	0.1	0
916	Fruit Peel Soil Supplementation Induces Physiological and Biochemical Tolerance in <i>Schefflera arboricola</i> L. Grown Under Heat Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	1.7	1
917	Salt-Induced Changes in Cytosolic pH and Photosynthesis in Tobacco and Potato Leaves. <i>International Journal of Molecular Sciences</i> , 2023, 24, 491.	1.8	11
918	Relationship between mineral nutrition, plant diseases, and pests. , 2023, , 445-476.		1
919	Improving methods for evaluating potassium availability in vineyard soils. <i>Soil Science Society of America Journal</i> , 0, , .	1.2	0
920	Effects of Hydrogen-Rich Water on Postharvest Physiology in Scales of Lanzhou Lily during Storage. <i>Horticulturae</i> , 2023, 9, 156.	1.2	0
921	Comparative analysis of drought responsive transcriptome in <i>Brassica napus</i> genotypes with contrasting drought tolerance under different potassium levels. <i>Euphytica</i> , 2023, 219, , .	0.6	2
922	Potassium-Nitrogen Ratio Improved Cotton Yield by Regulating Antioxidant Metabolism Under a New Cropping Model for the Yangtze River Valley of China. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	1.7	0
923	Isolation and Characterization of Potential Potassium Solubilizing Bacteria with Various Plant Growth Promoting Traits. <i>Biosciences, Biotechnology Research Asia</i> , 2023, 20, 79-84.	0.2	3
924	Early planting of cassava enhanced the response of improved cultivars to potassium fertilization in South Kivu, Democratic Republic of Congo. <i>Field Crops Research</i> , 2023, 296, 108903.	2.3	0
925	Partial factor and water productivity of FIRB planted transgenic cotton (<i>Gossypium hirsutum</i>) under different fertilizer levels. , 2017, 87, , .		0
926	Possible factors determining global-scale patterns of crop yield sensitivity to drought. <i>PLoS ONE</i> , 2023, 18, e0281287.	1.1	6
927	Ant mounds extend the duration of plant phenology events and enhance flowering success. <i>Arthropod-Plant Interactions</i> , 0, , .	0.5	1

#	ARTICLE	IF	CITATIONS
928	Genetic analysis and marker association of physiological traits under rainfed and heat stress conditions in spring wheat (<i>Triticum aestivum</i> L.). <i>Genetika</i> , 2022, 54, 1049-1068.	0.1	0
929	Potassium Phosphite Activates Components Associated with Constitutive Defense Responses in <i>Coffea arabica</i> Cultivars. <i>Molecular Biotechnology</i> , 0, , .	1.3	1
930	The Effect of Potassiumâ€“Nitrogen Balance on the Yield and Quality of Strawberries Grown under Soilless Conditions. <i>Horticulturae</i> , 2023, 9, 304.	1.2	1
931	Regulation of plants nutrient deficiency responses by phytohormones. , 2023, , 129-145.		0
932	An insight into the role of carbon dots in the agriculture system: a review. <i>Environmental Science: Nano</i> , 2023, 10, 959-995.	2.2	5
933	Bioactivator, phosphorus and potassium fertilization and their effects on soil, physiology, production and quality of melon. <i>Acta Physiologiae Plantarum</i> , 2023, 45, .	1.0	2
936	Water and Nutrient Recovery for Cucumber Hydroponic Cultivation in Simultaneous Biological Treatment of Urine and Grey Water. <i>Plants</i> , 2023, 12, 1286.	1.6	5
937	Phytotoxicity effect study on <i>Vigna radiata</i> as affected by variation of palm oil mill effluent (POME) concentrations. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
938	Sufficient coumarin accumulation improves apple resistance to <i>Cytospora mali</i> under high-potassium status. <i>Plant Physiology</i> , 0, , .	2.3	3
939	Does Potassium Modify the Response of <i>Zinnia (Zinnia elegans</i> Jacq.) to Long-Term Salinity?. <i>Plants</i> , 2023, 12, 1439.	1.6	2
940	Some Biochemical and Biomass Responses of Wheat [<i>Triticum aestivum</i> L.] to Suboptimal Water Supply and Different Potassium Rates. , 2022, 14, 61-75.		0
941	Oxylipins and Reactive Carbonyls as Regulators of the Plant Redox and Reactive Oxygen Species Network under Stress. <i>Antioxidants</i> , 2023, 12, 814.	2.2	7
942	Testing the stress gradient hypothesis in soil bacterial communities associated with vegetation belts in the Andean Atacama Desert. <i>Environmental Microbiomes</i> , 2023, 18, .	2.2	3
943	Protein pattern and physiological responses to drought stress in wheat landraces. <i>Cereal Research Communications</i> , 2024, 52, 151-163.	0.8	0
944	Growth, Solute Accumulation, and Ion Distribution in Sweet Sorghum under Salt and Drought Stresses in a Brazilian Potiguar Semiarid Area. <i>Agriculture (Switzerland)</i> , 2023, 13, 803.	1.4	2
945	Nutrientes minerales y su relaciÃ³n suelo â€“ planta â€“ animal en praderas de BolÃ¡var- Guaranda â€“ Ecuador. , 2023, 3, e166.		1
946	Sustainable agricultural practices using potassium-solubilizing microorganisms (KSMs) in coastal regions: a critical review on the challenges and opportunities. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	0
947	Potassium alleviated high nitrogen-induced apple growth inhibition by regulating photosynthetic nitrogen allocation and enhancing nitrogen utilization capacity. <i>Horticultural Plant Journal</i> , 2024, 10, 1-14.	2.3	1

#	ARTICLE	IF	CITATIONS
948	Effects of Different Types of Potassium Fertilizers on Nutrient Uptake by Grapevine. <i>Horticulturae</i> , 2023, 9, 470.	1.2	2
949	Biochemical differences in the initial growth of sugarcane varieties cultivated under different potassium doses and water conditions. <i>Revista Caatinga</i> , 2023, 36, 61-69.	0.3	1
950	Thiourea Mitigates Potassium Deficiency in Soybean Varieties Through Redox or ABA Dependent Mechanisms. <i>Journal of Plant Growth Regulation</i> , 0, , .	2.8	1
951	Phytochemical composition of <i>Humulus Lupulus</i> L. in ontogeny under different treatments. <i>E3S Web of Conferences</i> , 2023, 381, 01022.	0.2	0
952	Effect of Hydrogen Peroxide and Soil Amendments on the Physiological Characteristics of <i>Ranunculus Asiaticus</i> in Saline Soils. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1158, 042002.	0.2	0
953	The Effect of Plant Metabolism on Some Physiological Immune Responses Under Biotic Stress. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1158, 042026.	0.2	0
954	Scope of small RNA technology to develop biotic stress tolerant food crops. , 2023, , 545-569.		0
955	Turfgrass Salinity Stress and Tolerance—A Review. <i>Plants</i> , 2023, 12, 925.	1.6	9
981	Salt and drought stress-mitigating approaches in sugar beet (<i>Beta vulgaris</i> L.) to improve its performance and yield. <i>Planta</i> , 2023, 258, .	1.6	5
992	Nutrients homeostasis and nitric oxide in plants. , 2023, , 201-215.		0
993	Use of nanotechnology to increase nutrient use efficiency, enhance crop nutrition, and reduce agrochemical pollution. , 2023, , 17-41.		0
997	Genetic modification strategies for enhancing plant resilience to abiotic stresses in the context of climate change. <i>Functional and Integrative Genomics</i> , 2023, 23, .	1.4	0
1017	Occurrence of Salinity and Drought Stresses: Status, Impact, and Management. , 2023, , 1-28.		2
1028	Enhancing Water Use Efficiency by Using Potassium-Efficient Cotton Cultivars Based on Morphological and Biochemical Characteristic. , 0, , .		0
1031	Climate Change: Its Impact on Land Degradation and Plant Nutrients Dynamics. <i>Earth and Environmental Sciences Library</i> , 2023, , 189-209.	0.3	0
1041	The combination of nanotechnology and potassium: applications in agriculture. <i>Environmental Science and Pollution Research</i> , 2024, 31, 1890-1906.	2.7	1
1043	Q-learning Based Simulation Tool for Studying Effectiveness of Dynamic Application of Fertilizer on Crop Productivity. , 2023, , .		0
1044	Uptake and Use Efficiency of Major Plant Nutrients for Climate-Resilient Agriculture. , 2023, , 35-50.		0

#	ARTICLE	IF	CITATIONS
1045	Importance of Soil Management in Sustainable Agriculture. , 2023, , 487-511.		2
1046	A review of nutrition, phytochemical compounds and biological activities of jackfruit (Artocarpus Tj ETQq1 1 0.784314 rgBT Overlo	0.3	0
1047	Studying Effect of TiO2 Nanoparticles on Soil Fertility and Plant Physiology Using IoT-Enabled Controlled Growth Chamber. Springer Proceedings in Materials, 2024, , 375-382.	0.1	0
1058	Mitigation Options Towards Sustainability Via Agricultural Practices. Earth and Environmental Sciences Library, 2023, , 303-332.	0.3	0
1063	Role of compatible osmolytes in plant stress tolerance under the influence of phytohormones and mineral elements. , 2024, , 165-201.		0
1078	Determination of potassium fertilizer requirement for maize hybrid in inceptisol soil. AIP Conference Proceedings, 2024, , .	0.3	0
1084	Fungal Control Through Plant Phenolics: A Biotic Constraint. , 2024, , 339-365.		0