

# Kadambot Siddique

## List of Publications by Year in descending order

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Version: 2024-02-01

625  
papers

31,498  
citations

4658

85  
h-index

11308

136  
g-index

633  
all docs

633  
docs citations

633  
times ranked

19123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium supplementation to lentil ( <i>Lens culinaris</i> Medik.) under combined heat and drought stress improves photosynthetic ability, antioxidant systems, reproductive function and yield traits. <i>Plant and Soil</i> , 2023, 486, 7-23.	3.7	11
2	Durum wheat with the introgressed TaMATE1B gene shows resistance to terminal drought by ensuring deep root growth in acidic and Al <sup>3+</sup> -toxic subsoils. <i>Plant and Soil</i> , 2022, 478, 311-324.	3.7	5
3	Role of Phytohormones in Regulating Heat Stress Acclimation in Agricultural Crops. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1041-1064.	5.1	22
4	Application of bio and chemical fertilizers improves yield, and essential oil quantity and quality of Moldavian balm ( <i>Dracocephalum moldavica</i> L.) intercropped with mung bean ( <i>Vigna</i> Tj ETQq0 0 0 rgBT /Oerlock 10 Tf 50 61	4.9	10
5	Microbial consortium inoculant increases pasture grasses yield in low-phosphorus soil by influencing root morphology, rhizosphere carboxylate exudation and mycorrhizal colonisation. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 540-549.	3.5	9
6	Omics approaches in developing combined drought and heat tolerance in food crops. <i>Plant Cell Reports</i> , 2022, 41, 699-739.	5.6	25
7	Zeolite increases grain yield and potassium balance in paddy fields. <i>Geoderma</i> , 2022, 405, 115397.	5.1	12
8	Seasonal variation and controlling factors of evapotranspiration over dry semi-humid cropland in Guanzhong Plain, China. <i>Agricultural Water Management</i> , 2022, 259, 107242.	5.6	12
9	Biomaterial amendments combined with ridge-furrow mulching improve soil hydrothermal characteristics and wolfberry ( <i>Lycium barbarum</i> L.) growth in the Qaidam Basin of China. <i>Agricultural Water Management</i> , 2022, 259, 107213.	5.6	4
10	Antimony contamination and its risk management in complex environmental settings: A review. <i>Environment International</i> , 2022, 158, 106908.	10.0	125
11	Assessing the performance of conservation measures for controlling slope runoff and erosion using field scouring experiments. <i>Agricultural Water Management</i> , 2022, 259, 107212.	5.6	11
12	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.	5.6	13
13	Reduced groundwater use and increased grain production by optimized irrigation scheduling in winter wheat–summer maize double cropping system: A 16-year field study in North China Plain. <i>Field Crops Research</i> , 2022, 275, 108364.	5.1	33
14	Treatment processes to eliminate potential environmental hazards and restore agronomic value of sewage sludge: A review. <i>Environmental Pollution</i> , 2022, 293, 118564.	7.5	63
15	Phenology determines water use strategies of three economic tree species in the semi-arid Loess Plateau of China. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108716.	4.8	22
16	Optimizing nitrogen fertilizer inputs and plant populations for greener wheat production with high yields and high efficiency in dryland areas. <i>Field Crops Research</i> , 2022, 276, 108374.	5.1	13
17	Effect of fertilizer management on the soil bacterial community in agroecosystems across the globe. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107795.	5.3	30
18	Heat stress effects on the reproductive physiology and yield of wheat. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 1-17.	3.5	70

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19	Differential Physio-Biochemical and Metabolic Responses of Peanut ( <i>Arachis hypogaea</i> L.) under Multiple Abiotic Stress Conditions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 660.	4.1	26
20	<i>WUSCHEL</i>-related homeobox</i> family genes in rice control lateral root primordium size. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	26
21	Effects of different continuous fertilizer managements on soil total nitrogen stocks in China: A meta-analysis. <i>Pedosphere</i> , 2022, 32, 39-48.	4.0	10
22	Dryland field validation of genotypic variation in salt tolerance of chickpea ( <i>Cicer arietinum</i> L.) determined under controlled conditions. <i>Field Crops Research</i> , 2022, 276, 108392.	5.1	5
23	Limited irrigation and fertilization in sand-layered soil increases nitrogen use efficiency and economic benefits under film mulched ridge-furrow irrigation in arid areas. <i>Agricultural Water Management</i> , 2022, 262, 107406.	5.6	16
24	Biochar incorporation increases winter wheat ( <i>Triticum aestivum</i> L.) production with significantly improving soil enzyme activities at jointing stage. <i>Catena</i> , 2022, 211, 105979.	5.0	19
25	Effect of <i>Acacia saligna</i> (Labill.) Wendl. extracts on seed germination and seedling performance of three native Mediterranean shrubs. <i>Botany Letters</i> , 2022, 169, 51-60.	1.4	10
26	Increasing sustainability for rice production systems. <i>Journal of Cereal Science</i> , 2022, 103, 103400.	3.7	19
27	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review. <i>Science of the Total Environment</i> , 2022, 822, 153555.	8.0	174
28	Alkaline Salt Inhibits Seed Germination and Seedling Growth of Canola More Than Neutral Salt. <i>Frontiers in Plant Science</i> , 2022, 13, 814755.	3.6	15
29	Salt-responsive transcriptome analysis of canola roots reveals candidate genes involved in the key metabolic pathway in response to salt stress. <i>Scientific Reports</i> , 2022, 12, 1666.	3.3	10
30	Nitrogen supply improved plant growth and Cd translocation in maize at the silking and physiological maturity under moderate Cd stress. <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113137.	6.0	21
31	Role of Glycine Betaine in the Thermotolerance of Plants. <i>Agronomy</i> , 2022, 12, 276.	3.0	30
32	<i>Beijerinckia fluminensis</i> BFC-33, a novel multi-stress-tolerant soil bacterium: Deciphering the stress amelioration, phytopathogenic inhibition and growth promotion in <i>Triticum aestivum</i> (L.). <i>Chemosphere</i> , 2022, 295, 133843.	8.2	34
33	Physical, chemical, and microbial contaminants in food waste management for soil application: A review. <i>Environmental Pollution</i> , 2022, 300, 118860.	7.5	34
34	Effect of different straw returning measures on resource use efficiency and spring maize yield under a plastic film mulch system. <i>European Journal of Agronomy</i> , 2022, 134, 126461.	4.1	16
35	Changes in the essential oil, fixed oil constituents, and phenolic compounds of ajowan and fenugreek in intercropping with pea affected by fertilizer sources. <i>Industrial Crops and Products</i> , 2022, 178, 114587.	5.2	13
36	Quantitative Trait Loci for Heat Stress Tolerance in <i>Brassica rapa</i> L. Are Distributed across the Genome and Occur in Diverse Genetic Groups, Flowering Phenologies and Morphotypes. <i>Genes</i> , 2022, 13, 296.	2.4	1

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37	Comparative Flower Transcriptome Network Analysis Reveals DEGs Involved in Chickpea Reproductive Success during Salinity. <i>Plants</i> , 2022, 11, 434.	3.5	10
38	Breeding More Crops in Less Time: A Perspective on Speed Breeding. <i>Biology</i> , 2022, 11, 275.	2.8	41
39	Diversifying crop rotations enhances agroecosystem services and resilience. <i>Advances in Agronomy</i> , 2022, , 299-335.	5.2	21
40	Root physiology and morphology of soybean in relation to stress tolerance. <i>Advances in Botanical Research</i> , 2022, , 77-103.	1.1	2
41	Accumulation of zinc, iron and selenium in wheat as affected by phosphorus supply in salinised condition. <i>Crop and Pasture Science</i> , 2022, 73, 537-545.	1.5	5
42	Iron fortification of food crops through nanofertilisation. <i>Crop and Pasture Science</i> , 2022, 73, 736-748.	1.5	8
43	Graded Moisture Deficit Effect on Secondary Metabolites, Antioxidant, and Inhibitory Enzyme Activities in Leaf Extracts of <i>Rosa damascena</i> Mill. var. <i>trigentipetala</i> . <i>Horticulturae</i> , 2022, 8, 177.	2.8	19
44	Breeding and Genomics Interventions for Developing Ascochyta Blight Resistant Grain Legumes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2217.	4.1	6
45	Genome-Wide Analysis and Characterization of the Proline-Rich Extensin-like Receptor Kinases (PERKs) Gene Family Reveals Their Role in Different Developmental Stages and Stress Conditions in Wheat ( <i>Triticum aestivum</i> L.). <i>Plants</i> , 2022, 11, 496.	3.5	24
46	Rice Genotypes Express Compensatory Root Growth With Altered Root Distributions in Response to Root Cutting. <i>Frontiers in Plant Science</i> , 2022, 13, 830577.	3.6	7
47	Benefits and Limitations to Plastic Mulching and Nitrogen Fertilization on Grain Yield and Sulfur Nutrition: Multi-Site Field Trials in the Semiarid Area of China. <i>Frontiers in Plant Science</i> , 2022, 13, 799093.	3.6	6
48	Transcriptomic and metabolomics-based analysis of key biological pathways reveals the role of lipid metabolism in response to salt stress in the root system of <i>Brassica napus</i> . <i>Plant Growth Regulation</i> , 2022, 97, 127-141.	3.4	11
49	Exogenous Microorganisms Promote Moss Biocrust Growth by Regulating the Microbial Metabolic Pathway in Artificial Laboratory Cultivation. <i>Frontiers in Microbiology</i> , 2022, 13, 819888.	3.5	5
50	Salinity stress tolerance and omics approaches: revisiting the progress and achievements in major cereal crops. <i>Heredity</i> , 2022, 128, 497-518.	2.6	34
51	Progress of Genomics-Driven Approaches for Sustaining Underutilized Legume Crops in the Post-Genomic Era. <i>Frontiers in Genetics</i> , 2022, 13, 831656.	2.3	8
52	Application of humic acid and biofertilizers changes oil and phenolic compounds of fennel and fenugreek in intercropping systems. <i>Scientific Reports</i> , 2022, 12, 5946.	3.3	13
53	Foliar Spray of Micronutrients Alleviates Heat and Moisture Stress in Lentil ( <i>Lens culinaris</i> Medik) Crown Under Rainfed Field Conditions. <i>Frontiers in Plant Science</i> , 2022, 13, 847743.	3.6	17
54	Regulation of photosynthesis under salt stress and associated tolerance mechanisms. <i>Plant Physiology and Biochemistry</i> , 2022, 178, 55-69.	5.8	76

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55	Future climate change impacts on mulched maize production in an arid irrigation area. <i>Agricultural Water Management</i> , 2022, 266, 107550.	5.6	3
56	Interaction between soil water and fertilizer utilization on maize under plastic mulching in an arid irrigation region of China. <i>Agricultural Water Management</i> , 2022, 265, 107494.	5.6	7
57	Plastic film mulching affects field water balance components, grain yield, and water productivity of rainfed maize in the Loess Plateau, China: A synthetic analysis of multi-site observations. <i>Agricultural Water Management</i> , 2022, 266, 107570.	5.6	7
58	Carbon footprint analysis of sweet sorghum-based bioethanol production in the potential saline - Alkali land of northwest China. <i>Journal of Cleaner Production</i> , 2022, 349, 131476.	9.3	10
59	Effects of organic amendments and ridge-furrow mulching system on soil properties and economic benefits of wolfberry orchards on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 827, 154317.	8.0	10
60	Response of soil microbial community parameters to plastic film mulch: A meta-analysis. <i>Geoderma</i> , 2022, 418, 115851.	5.1	26
61	Industrial Hemp ( <i>Cannabis sativa</i> L.) Varieties and Seed Pre-Treatments Affect Seed Germination and Early Growth of Seedlings. <i>Agronomy</i> , 2022, 12, 6.	3.0	9
62	Screening of Soybean Genotypes Based on Root Morphology and Shoot Traits Using the Semi-Hydroponic Phenotyping Platform and Rhizobox Technique. <i>Agronomy</i> , 2022, 12, 56.	3.0	8
63	Heat Stress during Meiosis Has Lasting Impacts on Plant Growth and Reproduction in Wheat ( <i>Triticum</i> ) Tj ETQq1 1.0,784314,rgBT /O	3.0	7
64	Effect of film mulching on crop yield and water use efficiency in drip irrigation systems: A meta-analysis. <i>Soil and Tillage Research</i> , 2022, 221, 105392.	5.6	24
65	Comprehensive transcriptomic analysis of two RIL parents with contrasting salt responsiveness identifies polyadenylated and non-polyadenylated flower lncRNAs in chickpea. <i>Plant Biotechnology Journal</i> , 2022, , .	8.3	2
66	Genetic Dissection of Tobacco ( <i>Nicotiana tabacum</i> L.) Plant Height Using Single-Locus and Multi-Locus Genome-Wide Association Studies. <i>Agronomy</i> , 2022, 12, 1047.	3.0	5
67	Root penetration ability and plant growth in agroecosystems. <i>Plant Physiology and Biochemistry</i> , 2022, 183, 160-168.	5.8	10
68	Yield and water-use related traits in landrace and new soybean cultivars in arid and semi-arid areas of China. <i>Field Crops Research</i> , 2022, 283, 108559.	5.1	4
69	Ammoniated straw incorporation increases wheat yield, yield stability, soil organic carbon and soil total nitrogen content. <i>Field Crops Research</i> , 2022, 284, 108558.	5.1	30
70	Improving Chickpea Genetic Gain Under Rising Drought and Heat Stress Using Breeding Approaches and Modern Technologies. , 2022, , 1-25.		2
71	Wheat Proteomics for Abiotic Stress Tolerance and Root System Architecture: Current Status and Future Prospects. <i>Proteomes</i> , 2022, 10, 17.	3.5	14
72	Decreased carbon footprint and increased grain yield under ridge-furrow plastic film mulch with ditch-buried straw returning: A sustainable option for spring maize production in China. <i>Science of the Total Environment</i> , 2022, 838, 156412.	8.0	4

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73	Genome-wide identification and development of InDel markers in tobacco ( <i>Nicotiana tabacum</i> L.) using RAD-seq. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 1077-1089.	3.1	4
74	Response of Physiological, Reproductive Function and Yield Traits in Cultivated Chickpea ( <i>Cicer</i> ) to Drought. <i>Journal of Agricultural Science</i> , 2022, 153, 107-115.	3.6	10
75	Film Mulching with Low Phosphorus Application Improves Soil Organic Carbon and Its Decomposability in a Semiarid Agroecosystem. <i>Agriculture (Switzerland)</i> , 2022, 12, 816.	3.1	1
76	Mobilization of contaminants: Potential for soil remediation and unintended consequences. <i>Science of the Total Environment</i> , 2022, 839, 156373.	8.0	43
77	Selection for yield over five decades favored anisohydric and phenological adaptations to early-season drought in Australian wheat. <i>Plant and Soil</i> , 2022, 476, 511-526.	3.7	6
78	Environmental implications, potential value, and future of food-waste anaerobic digestate management: A review. <i>Journal of Environmental Management</i> , 2022, 318, 115519.	7.8	40
79	Ensuring Global Food Security by Improving Protein Content in Major Grain Legumes Using Breeding and Omics Tools. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7710.	4.1	9
80	Vertical variation in shallow and deep soil moisture in an apple orchard in the loess hilly-gully area of north China. <i>Soil Use and Management</i> , 2021, 37, 595-606.	4.9	4
81	Deficit irrigation improves maize yield and water use efficiency in a semi-arid environment. <i>Agricultural Water Management</i> , 2021, 243, 106483.	5.6	46
82	Sustainable Soil Management for Food Security in South Asia. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 258-275.	3.4	9
83	Rubber-leguminous shrub systems stimulate soil N <sub>2</sub> O but reduce CO <sub>2</sub> and CH <sub>4</sub> emissions. <i>Forest Ecology and Management</i> , 2021, 480, 118665.	3.2	10
84	Drought and salinity: A comparison of their effects on the ammonium-prefering species <i>Spartina alterniflora</i> . <i>Physiologia Plantarum</i> , 2021, 172, 431-440.	5.2	11
85	Quantifying the compensatory effect of increased soil temperature under plastic film mulching on crop growing degree days in a wheat-maize rotation system. <i>Field Crops Research</i> , 2021, 260, 107993.	5.1	16
86	A significant increase in rhizosphere carboxylates and greater specific root length in response to terminal drought is associated with greater relative phosphorus acquisition in chickpea. <i>Plant and Soil</i> , 2021, 460, 51-68.	3.7	15
87	Precipitation dominates the transpiration of both the economic forest ( <i>Malus pumila</i> ) and ecological forest ( <i>Robinia pseudoacacia</i> ) on the Loess Plateau after about 15 years of water depletion in deep soil. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108244.	4.8	38
88	Rootomics for drought tolerance in cool-season grain legumes. <i>Physiologia Plantarum</i> , 2021, 172, 629-644.	5.2	10
89	Transient daily heat stress during the early reproductive phase disrupts pod and seed development in <i>Brassica napus</i> L.. <i>Food and Energy Security</i> , 2021, 10, e262.	4.3	21
90	Measurements and modeling of hydrological responses to summer pruning in dryland apple orchards. <i>Journal of Hydrology</i> , 2021, 594, 125651.	5.4	12

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91	Root system architecture, physiological and transcriptional traits of soybean (<sc><i>Glycine Tj ETQq1 1 0.784314.rgBT /Overlock 10	5.2	49
92	The effects of straw incorporation with plastic film mulch on soil properties and bacterial community structure on the loess plateau. <i>European Journal of Soil Science</i> , 2021, 72, 979-994.	3.9	40
93	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.	1.5	5
94	Recent Advances in the Agronomy of Food Legumes. , 2021, , 255-302.		1
95	Watershed Drought and Ecosystem Services: Spatiotemporal Characteristics and Gray Relational Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 43.	2.9	16
96	Lentil. , 2021, , 408-428.		10
97	Sustainability of Traditional Rice Cultivation in Kerala, Indiaâ€™A Socio-Economic Analysis. <i>Sustainability</i> , 2021, 13, 980.	3.2	7
98	Omics and CRISPR-Cas9 Approaches for Molecular Insight, Functional Gene Analysis, and Stress Tolerance Development in Crops. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1292.	4.1	30
99	Rediscovering Asiaâ€™s forgotten crops to fight chronic and hidden hunger. <i>Nature Plants</i> , 2021, 7, 116-122.	9.3	41
100	Na+ and/or Clâ€™ Toxicities Determine Salt Sensitivity in Soybean ( <i>Glycine max</i> (L.) Merr.), Mungbean ( <i>Vigna radiata</i> (L.) R. Wilczek), Cowpea ( <i>Vigna unguiculata</i> (L.) Walp.), and Common Bean ( <i>Phaseolus</i> ) Tj ETQq0 0 0.rgBT /Overlock 10 T	4.1	16
101	Tree species as a biomonitor of metal pollution in arid Mediterranean environments: case for arid southern Tunisia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28598-28605.	5.3	8
102	Nanobiotechnology for Agriculture: Smart Technology for Combating Nutrient Deficiencies with Nanotoxicity Challenges. <i>Sustainability</i> , 2021, 13, 1781.	3.2	46
103	Resilience achieved via multiple compensating subsystems: The immediate impacts of COVID-19 control measures on the agri-food systems of Australia and New Zealand. <i>Agricultural Systems</i> , 2021, 187, 103025.	6.1	40
104	Agricultural Innovation and Sustainable Development: A Case Study of Riceâ€™Wheat Cropping Systems in South Asia. <i>Sustainability</i> , 2021, 13, 1965.	3.2	12
105	Effect of natural factors and management practices on agricultural water use efficiency under drought: A meta-analysis of global drylands. <i>Journal of Hydrology</i> , 2021, 594, 125977.	5.4	26
106	Identification of Candidate Genes for Root Traits Using Genotypeâ€™Phenotype Association Analysis of Near-Isogenic Lines in Hexaploid Wheat ( <i>Triticum aestivum</i> L.). <i>International Journal of Molecular Sciences</i> , 2021, 22, 3579.	4.1	10
107	Wheat cultivars with small root length density in the topsoil increased post-anthesis water use and grain yield in the semi-arid region on the Loess Plateau. <i>European Journal of Agronomy</i> , 2021, 124, 126243.	4.1	18
108	Reducing N2O emissions with enhanced efficiency nitrogen fertilizers (EENFs) in a high-yielding spring maize system. <i>Environmental Pollution</i> , 2021, 273, 116422.	7.5	25

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109	Lower seed P content does not affect early growth in chickpea, provided starter P fertiliser is supplied. <i>Plant and Soil</i> , 2021, 463, 113-124.	3.7	4
110	Socio-cognitive constraints and opportunities for sustainable intensification in South Asia: insights from fuzzy cognitive mapping in coastal Bangladesh. <i>Environment, Development and Sustainability</i> , 2021, 23, 16588-16616.	5.0	11
111	The Journey from Two-Step to Multi-Step Phosphorelay Signaling Systems. <i>Current Genomics</i> , 2021, 22, 59-74.	1.6	13
112	Multi-Site Evaluation of Accumulated Temperature and Rainfall for Maize Yield and Disease in Loess Plateau. <i>Agriculture (Switzerland)</i> , 2021, 11, 373.	3.1	4
113	The economic“environmental trade-off of growing apple trees in the drylands of China: A conceptual framework for sustainable intensification. <i>Journal of Cleaner Production</i> , 2021, 296, 126497.	9.3	28
114	Trade-Off between Root Efficiency and Root Size Is Associated with Yield Performance of Soybean under Different Water and Phosphorus Levels. <i>Agriculture (Switzerland)</i> , 2021, 11, 481.	3.1	11
115	Female reproductive organs of <i>Brassica napus</i> are more sensitive than male to transient heat stress. <i>Euphytica</i> , 2021, 217, 1.	1.2	2
116	Phosphorus Supply Increases Internode Length and Leaf Characteristics, and Increases Dry Matter Accumulation and Seed Yield in Soybean under Water Deficit. <i>Agronomy</i> , 2021, 11, 930.	3.0	6
117	Comparative transcriptome analyses for metribuzin tolerance provide insights into key genes and mechanisms restoring photosynthetic efficiency in bread wheat ( <i>Triticum aestivum</i> L.). <i>Genomics</i> , 2021, 113, 910-918.	2.9	12
118	In addition to foliar manganese concentration, both iron and zinc provide proxies for rhizosheath carboxylates in chickpea under low phosphorus supply. <i>Plant and Soil</i> , 2021, 465, 31-46.	3.7	10
119	Photosynthesis, Chlorophyll Fluorescence, and Yield of Peanut in Response to Biochar Application. <i>Frontiers in Plant Science</i> , 2021, 12, 650432.	3.6	25
120	Understanding drought tolerance in plants. <i>Physiologia Plantarum</i> , 2021, 172, 286-288.	5.2	17
121	Novel Genes and Genetic Loci Associated With Root Morphological Traits, Phosphorus-Acquisition Efficiency and Phosphorus-Use Efficiency in Chickpea. <i>Frontiers in Plant Science</i> , 2021, 12, 636973.	3.6	15
122	Heat Priming of Lentil ( <i>Lens culinaris</i> Medik.) Seeds and Foliar Treatment with $\hat{3}$ -Aminobutyric Acid (GABA), Confers Protection to Reproductive Function and Yield Traits under High-Temperature Stress Environments. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5825.	4.1	8
123	Anthropogenic drivers of soil microbial communities and impacts on soil biological functions in agroecosystems. <i>Global Ecology and Conservation</i> , 2021, 27, e01521.	2.1	38
124	Arbuscular mycorrhizal fungus-mediated interspecific nutritional competition of a pasture legume and grass under drought-stress. <i>Rhizosphere</i> , 2021, 18, 100349.	3.0	7
125	Can nitrate-based fertilization be recommended for the cultivation of ammonium-preferring species in a salty ecosystem? The case for <i>Spartina alterniflora</i> . <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	8
126	Impacts of land use conversion on the response of soil respiration to precipitation in drylands: A case study with four-yearlong observations. <i>Agricultural and Forest Meteorology</i> , 2021, 304-305, 108426.	4.8	5



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127	Non-Coding RNAs in Legumes: Their Emerging Roles in Regulating Biotic/Abiotic Stress Responses and Plant Growth and Development. <i>Cells</i> , 2021, 10, 1674.	4.1	31
128	Growth and Antioxidant Responses in Iron-Biofortified Lentil under Cadmium Stress. <i>Toxics</i> , 2021, 9, 182.	3.7	13
129	Diversified crop rotations enhance groundwater and economic sustainability of food production. <i>Food and Energy Security</i> , 2021, 10, e311.	4.3	30
130	Cross tolerance to phosphorus deficiency and drought stress in mungbean is regulated by improved antioxidant capacity, biological N <sub>2</sub> -fixation, and differential transcript accumulation. <i>Plant and Soil</i> , 2021, 466, 337-356.	3.7	10
131	Genome-wide transcriptome analysis and physiological variation modulates gene regulatory networks acclimating salinity tolerance in chickpea. <i>Environmental and Experimental Botany</i> , 2021, 187, 104478.	4.2	17
132	Metabolomics and Molecular Approaches Reveal Drought Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9108.	4.1	89
133	Disruption of carbohydrate and proline metabolism in anthers under low temperature causes pollen sterility in chickpea. <i>Environmental and Experimental Botany</i> , 2021, 188, 104500.	4.2	16
134	Challenges of the establishment of rubber-based agroforestry systems: Decreases in the diversity and abundance of ground arthropods. <i>Journal of Environmental Management</i> , 2021, 292, 112747.	7.8	5
135	Responses of canopy characteristics and water use efficiency to ammoniated straw incorporation for summer maize ( <i>Zea mays</i> L.) in the Loess Plateau, China. <i>Agricultural Water Management</i> , 2021, 254, 106948.	5.6	14
136	Adaptation of Grain Legumes to Terminal Drought after Rice Harvest in Timor-Leste. <i>Agronomy</i> , 2021, 11, 1689.	3.0	0
137	Salt-Tolerance in Castor Bean ( <i>Ricinus communis</i> L.) Is Associated with Thicker Roots and Better Tissue K <sup>+</sup> /Na <sup>+</sup> Distribution. <i>Agriculture (Switzerland)</i> , 2021, 11, 821.	3.1	5
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265	Crop root systems and rhizosphere interactions. <i>Plant and Soil</i> , 2019, 439, 1-5.	3.7	26
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272	Sequencing of Cultivated Peanut, <i>Arachis hypogaea</i> , Yields Insights into Genome Evolution and Oil Improvement. <i>Molecular Plant</i> , 2019, 12, 920-934.	8.3	185
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276	Influence of rice straw biochar on growth, antioxidant capacity and copper uptake in ramie ( <i>Boehmeria nivea</i> L.) grown as forage in aged copper-contaminated soil. <i>Plant Physiology and Biochemistry</i> , 2019, 138, 121-129.	5.8	114
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278	Interactive effects of salinity and nitrogen forms on plant growth, photosynthesis and osmotic adjustment in maize. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 171-178.	5.8	99
279	Drought and heat stress-related proteins: an update about their functional relevance in imparting stress tolerance in agricultural crops. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1607-1638.	3.6	89
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310	Application of compost and clay under water-stressed conditions influences functional diversity of rhizosphere bacteria. <i>Biology and Fertility of Soils</i> , 2018, 54, 55-70.	4.3	53
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344	Characterization of Root and Shoot Traits in Wheat Cultivars with Putative Differences in Root System Size. <i>Agronomy</i> , 2018, 8, 109.	3.0	48
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350	Advances in understanding grain legume physiology: understanding root architecture, nutrient uptake and response to abiotic stress. <i>Burleigh Dodds Series in Agricultural Science</i> , 2018, , 11-28.	0.2	1
351	Grain legumes in integrated crop management systems. <i>Burleigh Dodds Series in Agricultural Science</i> , 2018, , 219-242.	0.2	0
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401	Distribution of soil carbon and grain yield of spring wheat under a permanent raised bed planting system in an arid area of northwest China. <i>Soil and Tillage Research</i> , 2016, 163, 274-281.	5.6	14
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407	Food crops face rising temperatures: An overview of responses, adaptive mechanisms, and approaches to improve heat tolerance. <i>Cogent Food and Agriculture</i> , 2016, 2, .	1.4	106
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416	Efficient Root System for Abiotic Stress Tolerance in Crops. <i>Procedia Environmental Sciences</i> , 2015, 29, 295.	1.4	11
417	Does Plastic Mulch Improve Crop Yield in Semiarid Farmland at High Altitude?. <i>Agronomy Journal</i> , 2015, 107, 1724-1732.	1.8	36
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419	Cool-Season Grain Legumes Production and Rhizobial Interactions in Australian Dryland Agriculture. <i>CSSA Special Publication - Crop Science Society of America</i> , 2015, , 229-242.	0.1	0
420	Elevated CO <sub>2</sub> Reduced Floret Death in Wheat Under Warmer Average Temperatures and Terminal Drought. <i>Frontiers in Plant Science</i> , 2015, 6, 1010.	3.6	21
421	Two key genomic regions harbour QTLs for salinity tolerance in ICCV 2011 derived chickpea ( <i>Cicer</i> ) TjETQq1 1.0.784314	3.6	67
422	Salt sensitivity in chickpea: Growth, photosynthesis, seed yield components and tissue ion regulation in contrasting genotypes. <i>Journal of Plant Physiology</i> , 2015, 182, 1-12.	3.5	92
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544	Response of chickpea ( <i>Cicer arietinum</i> L.) varieties to time of sowing in Mediterranean-type environments of south-western Australia. <i>Australian Journal of Experimental Agriculture</i> , 2006, 46, 395.	1.0	9
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