

P V Vara Prasad

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/781118/p-v-vara-prasad-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

299
papers

11,879
citations

56
h-index

100
g-index

324
ext. papers

15,064
ext. citations

4.3
avg, IF

6.77
L-index

#	Paper	IF	Citations
299	Impact of High-Cadence Earth Observation in Maize Crop Phenology Classification. <i>Remote Sensing</i> , 2022 , 14, 469	5	0
298	Has Omicron Changed the Evolution of the Pandemic?. <i>JMIR Public Health and Surveillance</i> , 2022 ,	11.4	6
297	Conservation and Conventional Vegetable Cultivation Increase Soil Organic Matter and Nutrients in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2022 , 14, 476	3	0
296	Modern Processing of Indian Millets: A Perspective on Changes in Nutritional Properties.. <i>Foods</i> , 2022 , 11,	4.9	1
295	Identification of Sustainable Development Priorities for Agriculture through Sustainable Livelihood Security Indicators for Karnataka, India. <i>Sustainability</i> , 2022 , 14, 1831	3.6	2
294	Integration of Genomics Approaches in Abiotic Stress Tolerance in Groundnut (<i>Arachis hypogaea</i> L.): An Overview 2022 , 149-197		0
293	Land Use, Landform, and Soil Management as Determinants of Soil Physicochemical Properties and Microbial Abundance of Lower Brahmaputra Valley, India. <i>Sustainability</i> , 2022 , 14, 2241	3.6	4
292	Biochar applications influence soil physical and chemical properties, microbial diversity, and crop productivity: a meta-analysis. <i>Biochar</i> , 2022 , 4, 1	10	5
291	Impacts, Tolerance, Adaptation, and Mitigation of Heat Stress on Wheat under Changing Climates.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	7
290	Assessment of Land Use and Land Cover Changes on Soil Erosion Using Remote Sensing, GIS and RUSLE Model: A Case Study of Battambang Province, Cambodia. <i>Sustainability</i> , 2022 , 14, 4066	3.6	1
289	Predicting the Potential Suitable Climate for Coconut (<i>L.</i>) Cultivation in India under Climate Change Scenarios Using the MaxEnt Model.. <i>Plants</i> , 2022 , 11,	4.5	2
288	Evaluating crop management options for sorghum, pearl millet and peanut to minimize risk under the projected midcentury climate scenario for different locations in Senegal. <i>Climate Risk Management</i> , 2022 , 36, 100436	4.6	1
287	Assessing impact of salinity and climate scenarios on dry season field crops in the coastal region of Bangladesh. <i>Agricultural Systems</i> , 2022 , 200, 103428	6.1	1
286	A comparison of multiple calibration and ensembling methods for estimating genetic coefficients of CERES-Rice to simulate phenology and yields. <i>Field Crops Research</i> , 2022 , 284, 108560	5.5	4
285	Approaches Toward Developing Heat and Drought Tolerance in Mungbean 2022 , 205-234		
284	Effective Use of Water in Crop Plants in Dryland Agriculture: Implications of Reactive Oxygen Species and Antioxidative System.. <i>Frontiers in Plant Science</i> , 2021 , 12, 778270	6.2	4
283	Post-silking N labelling reveals an enhanced nitrogen allocation to leaves in modern maize (<i>Zea mays</i>) genotypes. <i>Journal of Plant Physiology</i> , 2021 , 268, 153577	3.6	0

282	The Adaptation and Tolerance of Major Cereals and Legumes to Important Abiotic Stresses. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
281	Bioaccumulation of Fluoride in Plants and Its Microbially Assisted Remediation: A Review of Biological Processes and Technological Performance. <i>Processes</i> , 2021 , 9, 2154	2.9	4
280	Evaluating Irrigation and Farming Systems with Solar MajiPump in Ethiopia. <i>Agronomy</i> , 2021 , 11, 17	3.6	2
279	Effect of Physical Characteristics and Hydrodynamic Conditions on Transport and Deposition of Microplastics in Riverine Ecosystem. <i>Water (Switzerland)</i> , 2021 , 13, 2710	3	16
278	Soil and Climate Characterization to Define Environments for Summer Crops in Senegal. <i>Sustainability</i> , 2021 , 13, 11739	3.6	0
277	High-resolution unmanned aircraft systems imagery for stay-green characterization in grain sorghum (<i>Sorghum bicolor</i> L.). <i>Journal of Applied Remote Sensing</i> , 2021 , 15,	1.4	1
276	Evaluation of Land Use and Land Cover Change and Its Drivers in Battambang Province, Cambodia from 1998 to 2018. <i>Sustainability</i> , 2021 , 13, 11170	3.6	1
275	Unraveling uncertainty drivers of the maize yield response to nitrogen: A Bayesian and machine learning approach. <i>Agricultural and Forest Meteorology</i> , 2021 , 311, 108668	5.8	1
274	Impacts of the COVID-19 pandemic on vegetable production systems and livelihoods: Smallholder farmer experiences in Burkina Faso.. <i>Food and Energy Security</i> , 2021 , e337	4.1	1
273	Single Application of Biochar Increases Fertilizer Efficiency, C Sequestration, and pH over the Long-Term in Sandy Soils of Senegal. <i>Sustainability</i> , 2021 , 13, 11817	3.6	2
272	Management options for mid-century maize (<i>Zea mays</i> L.) in Ethiopia. <i>Science of the Total Environment</i> , 2021 , 758, 143635	10.2	4
271	Use of high-resolution unmanned aerial systems imagery and machine learning to evaluate grain sorghum tolerance to mesotrione. <i>Journal of Applied Remote Sensing</i> , 2021 , 15,	1.4	2
270	A Comparison of Approaches to Regional Land-Use Capability Analysis for Agricultural Land-Planning. <i>Land</i> , 2021 , 10, 458	3.5	6
269	Sustainable Intensification 2021 , 1-24		
268	Overview of Farmers' Perceptions of Current Status and Constraints to Soybean Production in Ratanakiri Province of Cambodia. <i>Sustainability</i> , 2021 , 13, 4433	3.6	2
267	Registration of the sorghum nested association mapping (NAM) population in RTx430 background. <i>Journal of Plant Registrations</i> , 2021 , 15, 395-402	0.7	3
266	Safeners improve early-stage chilling-stress tolerance in sorghum. <i>Journal of Agronomy and Crop Science</i> , 2021 , 207, 705-716	3.9	0
265	Projecting potential impact of COVID-19 on major cereal crops in Senegal and Burkina Faso using crop simulation models. <i>Agricultural Systems</i> , 2021 , 190, 103107	6.1	12

264	Smallholder farmer perceptions about the impact of COVID-19 on agriculture and livelihoods in Senegal. <i>Agricultural Systems</i> , 2021 , 190, 103108	6.1	21
263	Diversity, Equity, and Inclusion Initiative Update. <i>CSA News</i> , 2021 , 66, 26-27	0.1	
262	Heat Priming of Lentil (Medik.) Seeds and Foliar Treatment with γ -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,	6.3	1
261	Water-deficit stress alters intra-panicle grain number in sorghum. <i>Crop Science</i> , 2021 , 61, 2680	2.4	1
260	Estimating Surface and Groundwater Irrigation Potential under Different Conservation Agricultural Practices and Irrigation Systems in the Ethiopian Highlands. <i>Water (Switzerland)</i> , 2021 , 13, 1645	3	3
259	The Interplay Between Policy and COVID-19 Outbreaks in South Asia: Longitudinal Trend Analysis of Surveillance Data. <i>JMIR Public Health and Surveillance</i> , 2021 , 7, e24251	11.4	2
258	Comparative Transcriptome Analysis Reveals Genetic Mechanisms of Sugarcane Aphid Resistance in Grain Sorghum. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
257	A comparative Study on the Effect of Seed Pre-sowing Treatments with Microwave Radiation and Salicylic Acid in Alleviating the Drought-Induced Damage in Wheat. <i>Journal of Plant Growth Regulation</i> , 2021 , 40, 48-66	4.7	4
256	Teff (<i>Eragrostis tef</i>) processing, utilization and future opportunities: a review. <i>International Journal of Food Science and Technology</i> , 2021 , 56, 3125-3137	3.8	14
255	Evaluating optimal irrigation for potential yield and economic performance of major crops in southwestern Kansas. <i>Agricultural Water Management</i> , 2021 , 244, 106536	5.9	5
254	Crop diversification in rice-based systems in the polders of Bangladesh: Yield stability, profitability, and associated risk. <i>Agricultural Systems</i> , 2021 , 187, 102986	6.1	12
253	Using crop simulation model to evaluate influence of water management practices and multiple cropping systems on crop yields: A case study for Ethiopian highlands. <i>Field Crops Research</i> , 2021 , 260, 108004	5.5	13
252	Evaluating optimal irrigation strategies for maize in Western Kansas. <i>Agricultural Water Management</i> , 2021 , 246, 106677	5.9	5
251	To meet grand challenges, agricultural scientists must engage in the politics of constructive collective action. <i>Crop Science</i> , 2021 , 61, 24-31	2.4	1
250	Modeling the effects of crop management on food barley production under a midcentury changing climate in northern Ethiopia. <i>Climate Risk Management</i> , 2021 , 32, 100308	4.6	2
249	Integrating root architecture and physiological approaches for improving drought tolerance in common bean (<i>Phaseolus vulgaris</i> L.). <i>Plant Physiology Reports</i> , 2021 , 26, 4-22	1.4	2
248	Response of Tomato Genotypes under Different High Temperatures in Field and Greenhouse Conditions. <i>Plants</i> , 2021 , 10,	4.5	9
247	High night temperature effects on wheat and rice: Current status and way forward. <i>Plant, Cell and Environment</i> , 2021 , 44, 2049-2065	8.4	25

246	'Omics' approaches in developing combined drought and heat tolerance in food crops. <i>Plant Cell Reports</i> , 2021 , 1	5.1	5
245	Genetic Dissection of Seedling Root System Architectural Traits in a Diverse Panel of Hexaploid Wheat through Multi-Locus Genome-Wide Association Mapping for Improving Drought Tolerance. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
244	An integrated approach of field, weather, and satellite data for monitoring maize phenology. <i>Scientific Reports</i> , 2021 , 11, 15711	4.9	2
243	Land Use and Land Cover Changes and Its Impact on Soil Erosion in Stung Sangkae Catchment of Cambodia. <i>Sustainability</i> , 2021 , 13, 9276	3.6	6
242	Biomass Quantity and Quality from Different Year-Round Cereal-Legume Cropping Systems as Forage or Fodder for Livestock. <i>Sustainability</i> , 2021 , 13, 9414	3.6	2
241	Effect of tillers on corn yield: Exploring trait plasticity potential in unpredictable environments. <i>Crop Science</i> , 2021 , 61, 3660-3674	2.4	1
240	Do Water and Nitrogen Management Practices Impact Grain Quality in Maize?. <i>Agronomy</i> , 2021 , 11, 18513.6	3.6	5
239	Large-Scale Non-Targeted Metabolomics Reveals Antioxidant, Nutraceutical and Therapeutic Potentials of Sorghum. <i>Antioxidants</i> , 2021 , 10,	7.1	2
238	Winter Pea Mixtures with Triticale and Oat for Biogas and Methane Production in Semiarid Conditions of the South Pannonian Basin. <i>Agronomy</i> , 2021 , 11, 1800	3.6	
237	Impacts of Plastic Pollution on Ecosystem Services, Sustainable Development Goals, and Need to Focus on Circular Economy and Policy Interventions. <i>Sustainability</i> , 2021 , 13, 9963	3.6	26
236	Nano-oxides immobilize cadmium, lead, and zinc in mine spoils and contaminated soils facilitating plant growth. <i>Canadian Journal of Soil Science</i> , 2021 , 101, 543-554	1.4	0
235	Drought and High Temperature Stress in Sorghum: Physiological, Genetic, and Molecular Insights and Breeding Approaches. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
234	Response and resilience of Asian agrifood systems to COVID-19: An assessment across twenty-five countries and four regional farming and food systems. <i>Agricultural Systems</i> , 2021 , 193, 103168	6.1	14
233	A single gene inherited trait confers metabolic resistance to chlorsulfuron in grain sorghum (<i>Sorghum bicolor</i>). <i>Planta</i> , 2021 , 253, 48	4.7	1
232	Spatial analysis of the impact of climate change factors and adaptation strategies on productivity of wheat in Ethiopia. <i>Science of the Total Environment</i> , 2020 , 731, 139094	10.2	7
231	Role of Cytochrome P450 Enzymes in Plant Stress Response. <i>Antioxidants</i> , 2020 , 9,	7.1	62
230	Effects of high temperature stress during anthesis and grain filling periods on photosynthesis, lipids and grain yield in wheat. <i>BMC Plant Biology</i> , 2020 , 20, 268	5.3	42
229	Reduction of Nitrogen Fertilizer Requirements and Nitrous Oxide Emissions Using Legume Cover Crops in a No-Tillage Sorghum Production System. <i>Sustainability</i> , 2020 , 12, 4403	3.6	7

228	Testing of Commercial Inoculants to Enhance P Uptake and Grain Yield of Promiscuous Soybean in Kenya. <i>Sustainability</i> , 2020 , 12, 3803	3.6	8
227	Winter Wheat Yield Response to Plant Density as a Function of Yield Environment and Tillering Potential: A Review and Field Studies. <i>Frontiers in Plant Science</i> , 2020 , 11, 54	6.2	25
226	Production of biofuels from sorghum. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 124, 109769	16.2	37
225	Phenotypic variability in bread wheat root systems at the early vegetative stage. <i>BMC Plant Biology</i> , 2020 , 20, 185	5.3	16
224	Plant growth-regulating molecules as thermoprotectants: functional relevance and prospects for improving heat tolerance in food crops. <i>Journal of Experimental Botany</i> , 2020 , 71, 569-594	7	21
223	Sorghum Management Systems and Production Technology Around the Globe 2020 , 251-293		0
222	Pretreatment Methods for Biofuel Production from Sorghum 2020 , 755-788		
221	Impacts of Abiotic Stresses on Sorghum Physiology 2020 , 157-188		0
220	Satellite-based soybean yield forecast: Integrating machine learning and weather data for improving crop yield prediction in southern Brazil. <i>Agricultural and Forest Meteorology</i> , 2020 , 284, 107886	5.8	73
219	Dynamics of oil and fatty acid accumulation during seed development in historical soybean varieties. <i>Field Crops Research</i> , 2020 , 248, 107719	5.5	9
218	Potential impacts of climate change factors and agronomic adaptation strategies on wheat yields in central highlands of Ethiopia. <i>Climatic Change</i> , 2020 , 159, 461-479	4.5	9
217	Confirmation and Characterization of the First Case of Acetolactate Synthase (ALS)-Inhibitor Resistant Wild Buckwheat (<i>Polygonum convolvulus</i> L.) in the United States. <i>Agronomy</i> , 2020 , 10, 1496	3.6	1
216	Variation in stalk rot resistance and physiological traits of sorghum genotypes in the field under high temperature. <i>Journal of General Plant Pathology</i> , 2020 , 86, 350-359	1	1
215	The Influence of Different Fertilization Strategies on the Grain Yield of Field Peas (<i>Pisum sativum</i> L.) under Conventional and Conservation Tillage. <i>Agronomy</i> , 2020 , 10, 1728	3.6	2
214	Co-addition of humic substances and humic acids with urea enhances foliar nitrogen use efficiency in sugarcane (L.). <i>Heliyon</i> , 2020 , 6, e05100	3.6	1
213	Understanding Physiology and Impacts of High Temperature Stress on the Progametic Phase of Coconut (L.). <i>Plants</i> , 2020 , 9,	4.5	5
212	Assessment of the growth in social groups for sustainable agriculture and land management. <i>Global Sustainability</i> , 2020 , 3,	5.4	16
211	Identification and Characterization of Contrasting Genotypes/Cultivars for Developing Heat Tolerance in Agricultural Crops: Current Status and Prospects. <i>Frontiers in Plant Science</i> , 2020 , 11, 587264	6.2	20

210	Conservation Agriculture and Integrated Pest Management Practices Improve Yield and Income while Reducing Labor, Pests, Diseases and Chemical Pesticide Use in Smallholder Vegetable Farms in Nepal. <i>Sustainability</i> , 2020 , 12, 6418	3.6	5
209	The Response of Water and Nutrient Dynamics and of Crop Yield to Conservation Agriculture in the Ethiopian Highlands. <i>Sustainability</i> , 2020 , 12, 5989	3.6	5
208	Sunlit, controlled-environment chambers are essential for comparing plant responses to various climates. <i>Agronomy Journal</i> , 2020 , 112, 4531-4549	2.2	3
207	Differential heat sensitivity of two cool-season legumes, chickpea and lentil, at the reproductive stage, is associated with responses in pollen function, photosynthetic ability and oxidative damage. <i>Journal of Agronomy and Crop Science</i> , 2020 , 206, 734-758	3.9	6
206	Narrowing Diurnal Temperature Amplitude Alters Carbon Tradeoff and Reduces Growth in C Crop Sorghum. <i>Frontiers in Plant Science</i> , 2020 , 11, 1262	6.2	7
205	Characterization, Genetic Analyses, and Identification of QTLs Conferring Metabolic Resistance to a 4-Hydroxyphenylpyruvate Dioxygenase Inhibitor in Sorghum (). <i>Frontiers in Plant Science</i> , 2020 , 11, 596581	6.2	3
204	Approaches to improve soil fertility in sub-Saharan Africa. <i>Journal of Experimental Botany</i> , 2020 , 71, 632-641	5.1	51
203	Setting research priorities for tackling climate change. <i>Journal of Experimental Botany</i> , 2020 , 71, 480-489	10	
202	Effect of elevated CO ₂ , high temperature, and water deficit on growth, photosynthesis, and whole plant water use efficiency of cocoa (<i>Theobroma cacao</i> L.). <i>International Journal of Biometeorology</i> , 2020 , 64, 47-57	3.7	12
201	Water Conservation Methods and Cropping Systems for Increased Productivity and Economic Resilience in Burkina Faso. <i>Water (Switzerland)</i> , 2020 , 12, 976	3	4
200	Yield and Water Productivity of Winter Wheat under Various Irrigation Capacities. <i>Journal of the American Water Resources Association</i> , 2019 , 55, 24-37	2.1	8
199	A Review of Soybean Yield when Double-Cropped after Wheat. <i>Agronomy Journal</i> , 2019 , 111, 677-685	2.2	8
198	Quantifying the Impact of Heat Stress on Pollen Germination, Seed Set, and Grain Filling in Spring Wheat. <i>Crop Science</i> , 2019 , 59, 684-696	2.4	37
197	Sorghum Hybrids Development for Important Traits: Progress and Way Forward. <i>Agronomy</i> , 2019 ,	0.8	1
196	Alien chromosome segment from <i>Aegilops speltoides</i> and <i>Dasypyrum villosum</i> increases drought tolerance in wheat via profuse and deep root system. <i>BMC Plant Biology</i> , 2019 , 19, 242	5.3	11
195	A systems-level yield gap assessment of maize-soybean rotation under high- and low-management inputs in the Western US Corn Belt using APSIM. <i>Agricultural Systems</i> , 2019 , 174, 145-154	6.1	10
194	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	6	45
193	Modeling irrigation and nitrogen management of wheat in northern Ethiopia. <i>Agricultural Water Management</i> , 2019 , 216, 264-272	5.9	13

192	Reproductive success of soybean (<i>Glycine max</i> L. Merrill) cultivars and exotic lines under high daytime temperature. <i>Plant, Cell and Environment</i> , 2019 , 42, 321-336	8.4	16
191	Influence of drought and heat stress, applied independently or in combination during seed development, on qualitative and quantitative aspects of seeds of lentil (<i>Lens culinaris</i> Medikus) genotypes, differing in drought sensitivity. <i>Plant, Cell and Environment</i> , 2019 , 42, 198-211	8.4	52
190	Soybean Nitrogen Sources and Demand During the Seed-Filling Period. <i>Agronomy Journal</i> , 2019 , 111, 1779-1787	2.2	22
189	Sorghum Growth and Development. <i>Agronomy</i> , 2019 , 155-172	0.8	2
188	Drought and High Temperature Stress and Traits Associated with Tolerance. <i>Agronomy</i> , 2019 , 241-265	0.8	6
187	Sorghum Genetic Resources. <i>Agronomy</i> , 2019 , 47-72	0.8	
186	Sorghum Hybrids Development for Important Traits: Progress and Way Forward. <i>Agronomy</i> , 2019 , 97-117	0.8	1
185	Genotype \times Environment \times Management Interactions: US Sorghum Cropping Systems. <i>Agronomy</i> , 2019 , 277-296	0.8	5
184	Weed Competition and Management in Sorghum. <i>Agronomy</i> , 2019 , 347-360	0.8	6
183	Sorghum: A Multipurpose Bioenergy Crop. <i>Agronomy</i> , 2019 , 399-424	0.8	2
182	Registration of Six Grain Sorghum Pollinator (R) Lines. <i>Journal of Plant Registrations</i> , 2019 , 13, 113-117	0.7	0
181	Economic value and water productivity of major irrigated crops in the Ogallala aquifer region. <i>Agricultural Water Management</i> , 2019 , 214, 55-63	5.9	19
180	Modelling predicts that soybean is poised to dominate crop production across Africa. <i>Plant, Cell and Environment</i> , 2019 , 42, 373-385	8.4	25
179	Root length and root lipid composition contribute to drought tolerance of winter and spring wheat. <i>Plant and Soil</i> , 2019 , 439, 57-73	4.2	21
178	High-Temperature Stress Alleviation by Selenium Nanoparticle Treatment in Grain Sorghum. <i>ACS Omega</i> , 2018 , 3, 2479-2491	3.9	90
177	Thresholds, sensitive stages and genetic variability of finger millet to high temperature stress. <i>Journal of Agronomy and Crop Science</i> , 2018 , 204, 477-492	3.9	15
176	Evaluating heat tolerance of a complete set of wheat- <i>Aegilops geniculata</i> chromosome addition lines. <i>Journal of Agronomy and Crop Science</i> , 2018 , 204, 588-593	3.9	2
175	Seed treatment with nano-iron (III) oxide enhances germination, seedling growth and salinity tolerance of sorghum. <i>Journal of Agronomy and Crop Science</i> , 2018 , 204, 577-587	3.9	46

174	Alterations in wheat pollen lipidome during high day and night temperature stress. <i>Plant, Cell and Environment</i> , 2018 , 41, 1749-1761	8.4	40
173	Drought and High Temperature Stress and Traits Associated with Tolerance. <i>Agronomy</i> , 2018 ,	0.8	5
172	Differences in in vitro pollen germination and pollen tube growth of coconut (<i>Cocos nucifera</i> L.) cultivars in response to high temperature stress. <i>Environmental and Experimental Botany</i> , 2018 , 153, 35-44	5.9	20
171	Decreased photosynthetic rate under high temperature in wheat is due to lipid desaturation, oxidation, acylation, and damage of organelles. <i>BMC Plant Biology</i> , 2018 , 18, 55	5.3	84
170	Grain sorghum production functions under different irrigation capacities. <i>Agricultural Water Management</i> , 2018 , 203, 261-271	5.9	14
169	Quantifying pearl millet response to high temperature stress: thresholds, sensitive stages, genetic variability and relative sensitivity of pollen and pistil. <i>Plant, Cell and Environment</i> , 2018 , 41, 993-1007	8.4	46
168	Sensitivity of sorghum pollen and pistil to high-temperature stress. <i>Plant, Cell and Environment</i> , 2018 , 41, 1065-1082	8.4	66
167	Early-Season Stand Count Determination in Corn via Integration of Imagery from Unmanned Aerial Systems (UAS) and Supervised Learning Techniques. <i>Remote Sensing</i> , 2018 , 10, 343	5	26
166	Genome-wide Association Study of Agronomic Traits in a Spring-Planted North American Elite Hard Red Spring Wheat Panel. <i>Crop Science</i> , 2018 , 58, 1838-1852	2.4	14
165	Corn Yield Response to Plant Density and Nitrogen: Spatial Models and Yield Distribution. <i>Agronomy Journal</i> , 2018 , 110, 970-982	2.2	18
164	Response of photosynthetic performance, water relations and osmotic adjustment to salinity acclimation in two wheat cultivars. <i>Acta Physiologiae Plantarum</i> , 2018 , 40, 1	2.6	10
163	Global assessment of agricultural system redesign for sustainable intensification. <i>Nature Sustainability</i> , 2018 , 1, 441-446	22.1	250
162	Heat Stress during Flowering Affects Time of Day of Flowering, Seed Set, and Grain Quality in Spring Wheat. <i>Crop Science</i> , 2018 , 58, 380-392	2.4	44
161	Modeling sensitivity of grain yield to elevated temperature in the DSSAT crop models for peanut, soybean, dry bean, chickpea, sorghum, and millet. <i>European Journal of Agronomy</i> , 2018 , 100, 99-109	5	27
160	Climate Change Influence on Herbicide Efficacy and Weed Management 2018 , 433-448		3
159	Drought or/and Heat-Stress Effects on Seed Filling in Food Crops: Impacts on Functional Biochemistry, Seed Yields, and Nutritional Quality. <i>Frontiers in Plant Science</i> , 2018 , 9, 1705	6.2	179
158	Exploring Nitrogen Limitation for Historical and Modern Soybean Genotypes. <i>Agronomy Journal</i> , 2018 , 110, 2080-2090	2.2	21
157	Reproductive fitness in common bean (<i>Phaseolus vulgaris</i> L.) under drought stress is associated with root length and volume. <i>Indian Journal of Plant Physiology</i> , 2018 , 23, 796-809		9

156	Molecular breeding approaches involving physiological and reproductive traits for heat tolerance in food crops. <i>Indian Journal of Plant Physiology</i> , 2018 , 23, 697-720		9
155	Cerium Oxide Nanoparticles Decrease Drought-Induced Oxidative Damage in Sorghum Leading to Higher Photosynthesis and Grain Yield. <i>ACS Omega</i> , 2018 , 3, 14406-14416	3.9	62
154	Major Management Factors Determining Spring and Winter Canola Yield in North America. <i>Crop Science</i> , 2018 , 58, 1-16	2.4	44
153	Agroclimatology of Oats, Barley, and Minor Millets. <i>Agronomy</i> , 2018 , 243-277	0.8	0
152	Agroclimatology of Maize, Sorghum, and Pearl Millet. <i>Agronomy</i> , 2018 , 201-241	0.8	2
151	Stalk rot fungi affect grain sorghum yield components in an inoculation stage-specific manner. <i>Crop Protection</i> , 2017 , 94, 97-105	2.7	11
150	Evaluation of Brown Midrib Sorghum Mutants as a Potential Biomass Feedstock for 2,3-Butanediol Biosynthesis. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 1093-1110	3.2	7
149	Optimizing preplant irrigation for maize under limited water in the High Plains. <i>Agricultural Water Management</i> , 2017 , 187, 154-163	5.9	16
148	Iron Chlorosis 2017 , 246-255		6
147	Global Warming Effects 2017 , 289-299		14
146	Ozone Depletion 2017 , 318-326		2
145	Thermal stress impacts reproductive development and grain yield in rice. <i>Plant Physiology and Biochemistry</i> , 2017 , 115, 57-72	5.4	77
144	Assessing Wheat Yield, Biomass, and Water Productivity Responses to Growth Stage Based Irrigation Water Allocation. <i>Transactions of the ASABE</i> , 2017 , 60, 107-121	0.9	5
143	A New Insight into Corn Yield:Trends from 1987 through 2015. <i>Crop Science</i> , 2017 , 57, 2799-2811	2.4	24
142	Evaluating Optimum Limited Irrigation Management Strategies for Corn Production in the Ogallala Aquifer Region. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04017041	1.1	18
141	Evaluating the impact of future climate change on irrigated maize production in Kansas. <i>Climate Risk Management</i> , 2017 , 17, 139-154	4.6	25
140	Resilience of Pollen and Post-Flowering Response in Diverse Sorghum Genotypes Exposed to Heat Stress under Field Conditions. <i>Crop Science</i> , 2017 , 57, 1658-1669	2.4	36
139	Evaluation of water-limited cropping systems in a semi-arid climate using DSSAT-CSM. <i>Agricultural Systems</i> , 2017 , 150, 86-98	6.1	37

138	Field crops and the fear of heat stress Opportunities, challenges and future directions. <i>Field Crops Research</i> , 2017 , 200, 114-121	5.5	174
137	Conservation Agriculture Improves Soil Quality, Crop Yield, and Incomes of Smallholder Farmers in North Western Ghana. <i>Frontiers in Plant Science</i> , 2017 , 8, 996	6.2	35
136	Food Legumes and Rising Temperatures: Effects, Adaptive Functional Mechanisms Specific to Reproductive Growth Stage and Strategies to Improve Heat Tolerance. <i>Frontiers in Plant Science</i> , 2017 , 8, 1658	6.2	96
135	Weed Competition and Management in Sorghum. <i>Agronomy</i> , 2017 ,	0.8	2
134	Spatio-temporal evaluation of plant height in corn via unmanned aerial systems. <i>Journal of Applied Remote Sensing</i> , 2017 , 11, 1	1.4	22
133	Changes in Physiological Traits in Soybean with Breeding Advancements. <i>Crop Science</i> , 2016 , 56, 122-131	2.4	14
132	Similar estimates of temperature impacts on global wheat yield by three independent methods. <i>Nature Climate Change</i> , 2016 , 6, 1130-1136	21.4	233
131	Sorghum Crop Modeling and Its Utility in Agronomy and Breeding. <i>Agronomy</i> , 2016 ,	0.8	4
130	QTL Mapping for Grain Yield, Flowering Time, and Stay-Green Traits in Sorghum with Genotyping-by-Sequencing Markers. <i>Crop Science</i> , 2016 , 56, 1429-1442	2.4	28
129	Organic and Inorganic Fertilizer Effects on the Growth and Yield of Maize in a Dry Agro-Ecology in Northern Ghana. <i>Journal of Crop Improvement</i> , 2016 , 30, 1-16	1.4	13
128	Association mapping of germinability and seedling vigor in sorghum under controlled low-temperature conditions. <i>Genome</i> , 2016 , 59, 137-45	2.4	24
127	Impact of Climate Change Factors on Weeds and Herbicide Efficacy. <i>Advances in Agronomy</i> , 2016 , 107-146	4.7	71
126	An integrated approach to maintaining cereal productivity under climate change. <i>Global Food Security</i> , 2016 , 8, 9-18	8.3	89
125	Phenotypic Plasticity of Winter Wheat Heading Date and Grain Yield across the US Great Plains. <i>Crop Science</i> , 2016 , 56, 2223-2236	2.4	32
124	Yield Responses to Planting Density for US Modern Corn Hybrids: A Synthesis-Analysis. <i>Crop Science</i> , 2016 , 56, 2802-2817	2.4	93
123	Cover Crops, Fertilizer Nitrogen Rates, and Economic Return of Grain Sorghum. <i>Agronomy Journal</i> , 2016 , 108, 1-16	2.2	43
122	Response of Maize to Cover Crops, Fertilizer Nitrogen Rates, and Economic Return. <i>Agronomy Journal</i> , 2016 , 108, 17-31	2.2	17
121	Historical Synthesis-Analysis of Changes in Grain Nitrogen Dynamics in Sorghum. <i>Frontiers in Plant Science</i> , 2016 , 7, 275	6.2	11

120	Implications of High Temperature and Elevated CO ₂ on Flowering Time in Plants. <i>Frontiers in Plant Science</i> , 2016 , 7, 913	6.2	56
119	Testing Approaches and Components in Physiologically Based Crop Models for Sensitivity to Climatic Factors. <i>Advances in Agricultural Systems Modeling</i> , 2016 , 1-31	0.3	1
118	Sorghum Genetic Resources. <i>Agronomy</i> , 2016 ,	0.8	2
117	A safety vs efficiency trade-off identified in the hydraulic pathway of grass leaves is decoupled from photosynthesis, stomatal conductance and precipitation. <i>New Phytologist</i> , 2016 , 210, 97-107	9.8	44
116	Wheat leaf lipids during heat stress: II. Lipids experiencing coordinated metabolism are detected by analysis of lipid co-occurrence. <i>Plant, Cell and Environment</i> , 2016 , 39, 608-17	8.4	43
115	Wheat leaf lipids during heat stress: I. High day and night temperatures result in major lipid alterations. <i>Plant, Cell and Environment</i> , 2016 , 39, 787-803	8.4	126
114	Sorghum Growth and Development. <i>Agronomy</i> , 2016 ,	0.8	3
113	Predicting Soybean Relative Maturity and Seed Yield Using Canopy Reflectance. <i>Crop Science</i> , 2016 , 56, 625-643	2.4	34
112	Diurnal temperature amplitude alters physiological and growth response of maize (<i>Zea mays</i> L.) during the vegetative stage. <i>Environmental and Experimental Botany</i> , 2016 , 130, 113-121	5.9	39
111	Effect of cytoplasmic diversity on post anthesis heat tolerance in wheat. <i>Euphytica</i> , 2015 , 204, 383-394	2.1	8
110	Persistence of limited-transpiration-rate trait in sorghum at high temperature. <i>Environmental and Experimental Botany</i> , 2015 , 115, 58-62	5.9	14
109	Comparison of big bluestem with other native grasses: Chemical composition and biofuel yield. <i>Energy</i> , 2015 , 83, 358-365	7.9	13
108	Impact of High Night-Time and High Daytime Temperature Stress on Winter Wheat. <i>Journal of Agronomy and Crop Science</i> , 2015 , 201, 206-218	3.9	65
107	Big bluestem as a bioenergy crop: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 52, 740-756	6.2	22
106	Genetic Variation for Heat Tolerance in Primitive Cultivated Subspecies of <i>Triticum turgidum</i> L.. <i>Journal of Crop Improvement</i> , 2015 , 29, 565-580	1.4	3
105	Rising temperatures reduce global wheat production. <i>Nature Climate Change</i> , 2015 , 5, 143-147	21.4	1048
104	Population genomics of pearl millet (<i>Pennisetum glaucum</i> (L.) R. Br.): Comparative analysis of global accessions and Senegalese landraces. <i>BMC Genomics</i> , 2015 , 16, 1048	4.5	33
103	Evaluation of wheat chromosome translocation lines for high temperature stress tolerance at grain filling stage. <i>PLoS ONE</i> , 2015 , 10, e0116620	3.7	26

102	Impact of high temperature stress on floret fertility and individual grain weight of grain sorghum: sensitive stages and thresholds for temperature and duration. <i>Frontiers in Plant Science</i> , 2015 , 6, 820	6.2	106
101	Field Crops and the Fear of Heat Stress [Opportunities, Challenges and Future Directions. <i>Procedia Environmental Sciences</i> , 2015 , 29, 36-37		11
100	Physiological and Molecular Mechanisms of Differential Sensitivity of Palmer Amaranth (<i>Amaranthus palmeri</i>) to Mesotrione at Varying Growth Temperatures. <i>PLoS ONE</i> , 2015 , 10, e0126731	3.7	53
99	Registration of Nine Grain Sorghum Seed Parent (A/B) Lines. <i>Journal of Plant Registrations</i> , 2015 , 9, 244-248		1
98	Quantifying potential benefits of drought and heat tolerance in rainy season sorghum for adapting to climate change. <i>Agricultural and Forest Meteorology</i> , 2014 , 185, 37-48	5.8	53
97	Investigating the influence of roughness length for heat transport (zoh) on the performance of SEBAL in semi-arid irrigated and dryland agricultural systems. <i>Journal of Hydrology</i> , 2014 , 509, 231-244	6	32
96	Agronomic and Physiological Responses to High Temperature, Drought, and Elevated CO ₂ Interactions in Cereals. <i>Advances in Agronomy</i> , 2014 , 127, 111-156	7.7	70
95	Physiological differences among sorghum (<i>Sorghum bicolor</i> L. Moench) genotypes under high temperature stress. <i>Environmental and Experimental Botany</i> , 2014 , 100, 43-54	5.9	71
94	Characterization of a Spring Wheat Association Mapping Panel for Root Traits. <i>Agronomy Journal</i> , 2014 , 106, 1593-1604	2.2	21
93	Influence of Nitrogen Fertilizer on Growth and Yield of Grain Sorghum Hybrids and Inbred Lines. <i>Agronomy Journal</i> , 2014 , 106, 1623-1630	2.2	15
92	A Simple Quantitative Model to Predict Leaf Area Index in Sorghum. <i>Agronomy Journal</i> , 2014 , 106, 219-226		3
91	Mapping QTL for the traits associated with heat tolerance in wheat (<i>Triticum aestivum</i> L.). <i>BMC Genetics</i> , 2014 , 15, 97	2.6	104
90	Response of floret fertility and individual grain weight of wheat to high temperature stress: sensitive stages and thresholds for temperature and duration. <i>Functional Plant Biology</i> , 2014 , 41, 1261-1269	2.7	147
89	Stomatal responses to changes in vapor pressure deficit reflect tissue-specific differences in hydraulic conductance. <i>Plant, Cell and Environment</i> , 2014 , 37, 132-9	8.4	76
88	Natural variation in the regulation of leaf senescence and relation to N and root traits in wheat. <i>Plant and Soil</i> , 2014 , 378, 99-112	4.2	13
87	Variability of root traits in spring wheat germplasm. <i>PLoS ONE</i> , 2014 , 9, e100317	3.7	79
86	High temperature stress. 2014 , 201-220		7
85	Hydraulic conductance of intact plants of two contrasting sorghum lines, SC15 and SC1205. <i>Functional Plant Biology</i> , 2013 , 40, 730-738	2.7	21

84	Lysimetric evaluation of SEBAL using high resolution airborne imagery from BEAREX08. <i>Advances in Water Resources</i> , 2013 , 59, 157-168	4.7	24
83	Crop science experiments designed to inform crop modeling. <i>Agricultural and Forest Meteorology</i> , 2013 , 170, 8-18	5.8	69
82	Genotypic variation in sorghum [<i>Sorghum bicolor</i> (L.) Moench] exotic germplasm collections for drought and disease tolerance. <i>SpringerPlus</i> , 2013 , 2, 650		36
81	Effects of Salinity on Ion Transport, Water Relations and Oxidative Damage 2013 , 89-114		13
80	Impacts of Changing Climate and Climate Variability on Seed Production and Seed Industry. <i>Advances in Agronomy</i> , 2013 , 49-110	7.7	45
79	Is the Stay-Green Trait in Sorghum a Result of Transpiration Sensitivity to Either Soil Drying or Vapor Pressure Deficit?. <i>Crop Science</i> , 2013 , 53, 2129-2134	2.4	25
78	Partitioning hydraulic resistance in Sorghum bicolor leaves reveals unique correlations with stomatal conductance during drought. <i>Functional Plant Biology</i> , 2013 , 41, 25-36	2.7	15
77	Soybean Pollen Anatomy, Viability and Pod Set under High Temperature Stress. <i>Journal of Agronomy and Crop Science</i> , 2013 , 199, 171-177	3.9	68
76	Temperature, climate change, and global food security 2013 , 181-202		7
75	High Day- or Nighttime Temperature Alters Leaf Assimilation, Reproductive Success, and Phosphatidic Acid of Pollen Grain in Soybean [<i>Glycine max</i> (L.) Merr.]. <i>Crop Science</i> , 2013 , 53, 1594-1604	2.4	51
74	Water and Radiation Use Efficiencies in Sorghum. <i>Agronomy Journal</i> , 2013 , 105, 649-656	2.2	33
73	Simulating Crop Phenological Responses to Water Stress Using the PhenologyMMS Software Program. <i>Applied Engineering in Agriculture</i> , 2013 , 29, 233-249	0.8	8
72	Sweet Sorghum Planting Effects on Stalk Yield and Sugar Quality in Semi-Arid Tropical Environment. <i>Agronomy Journal</i> , 2013 , 105, 1458-1465	2.2	23
71	Response of Aegilops species to drought stress during reproductive stages of development. <i>Functional Plant Biology</i> , 2012 , 39, 51-59	2.7	23
70	Roles of Protein Synthesis Elongation Factor EF-Tu in Heat Tolerance in Plants. <i>Journal of Botany</i> , 2012 , 2012, 1-8	0	35
69	Genomic characterization of drought tolerance-related traits in spring wheat. <i>Euphytica</i> , 2012 , 186, 265-276		79
68	Genotypic variation within sorghum for transpiration response to drying soil. <i>Plant and Soil</i> , 2012 , 357, 35-40	4.2	37
67	Changes in stomatal conductance along grass blades reflect changes in leaf structure. <i>Plant, Cell and Environment</i> , 2012 , 35, 1040-9	8.4	42

66	High Temperature Tolerance in Aegilops Species and Its Potential Transfer to Wheat. <i>Crop Science</i> , 2012 , 52, 292-304	2.4	73
65	Effects of drought and high temperature stress on synthetic hexaploid wheat. <i>Functional Plant Biology</i> , 2012 , 39, 190-198	2.7	156
64	Independent and Combined Effects of High Temperature and Drought Stress During Grain Filling on Plant Yield and Chloroplast EF-Tu Expression in Spring Wheat. <i>Journal of Agronomy and Crop Science</i> , 2011 , 197, 430-441	3.9	259
63	Evaluation of drought and heat stressed grain sorghum (<i>Sorghum bicolor</i>) for ethanol production. <i>Industrial Crops and Products</i> , 2011 , 33, 779-782	5.9	22
62	PhenologyMMS: A program to simulate crop phenological responses to water stress. <i>Computers and Electronics in Agriculture</i> , 2011 , 77, 118-125	6.5	21
61	Longevity and temperature response of pollen as affected by elevated growth temperature and carbon dioxide in peanut and grain sorghum. <i>Environmental and Experimental Botany</i> , 2011 , 70, 51-57	5.9	35
60	Ethylene perception inhibitor 1-MCP decreases oxidative damage of leaves through enhanced antioxidant defense mechanisms in soybean plants grown under high temperature stress. <i>Environmental and Experimental Botany</i> , 2011 , 71, 215-223	5.9	71
59	Characterization of sorghum genotypes for traits related to drought tolerance. <i>Field Crops Research</i> , 2011 , 123, 10-18	5.5	65
58	Impacts of High-Temperature Stress and Potential Opportunities for Breeding 2011 , 166-185		2
57	High-Temperature Stress and Soybean Leaves: Leaf Anatomy and Photosynthesis. <i>Crop Science</i> , 2011 , 51, 2125-2131	2.4	48
56	High night temperature decreases leaf photosynthesis and pollen function in grain sorghum. <i>Functional Plant Biology</i> , 2011 , 38, 993-1003	2.7	102
55	Ethylene production under high temperature stress causes premature leaf senescence in soybean. <i>Functional Plant Biology</i> , 2010 , 37, 1071	2.7	57
54	Testing Effects of Climate Change in Crop Models. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2010 , 109-129		18
53	Nitrophenolates spray can alter boll abscission rate in cotton through enhanced peroxidase activity and increased ascorbate and phenolics levels. <i>Journal of Plant Physiology</i> , 2010 , 167, 1-9	3.6	20
52	Genetic variability of transpiration response to vapor pressure deficit among sorghum genotypes. <i>Field Crops Research</i> , 2010 , 119, 85-90	5.5	112
51	Selenium protects sorghum leaves from oxidative damage under high temperature stress by enhancing antioxidant defense system. <i>Plant Physiology and Biochemistry</i> , 2010 , 48, 999-1007	5.4	295
50	Effects of Ultraviolet-B Radiation and Its Interactions with Climate Change Factors on Agricultural Crop Growth and Yield 2010 , 395-436		2
49	Rubisco activase and wheat productivity under heat-stress conditions. <i>Journal of Experimental Botany</i> , 2009 , 60, 4003-14	7	62

48	GROUNDNUT YIELD RESPONSE AND ECONOMIC BENEFITS OF FUNGICIDE AND PHOSPHORUS APPLICATION IN FARMER-MANAGED TRIALS IN NORTHERN GHANA. <i>Experimental Agriculture</i> , 2009 , 45, 385-399	1.7	12
47	Seed Composition, Seedling Emergence and Early Seedling Vigour of Red Kidney Bean Seed Produced at Elevated Temperature and Carbon Dioxide. <i>Journal of Agronomy and Crop Science</i> , 2009 , 195, 148-156	3.9	37
46	Heat tolerance and expression of protein synthesis elongation factors, EF-Tu and EF-1 β in spring wheat. <i>Functional Plant Biology</i> , 2009 , 36, 234-241	2.7	29
45	Response of Peanut to Fungicide and Phosphorus in On-station and On-farm Tests in Ghana. <i>Peanut Science</i> , 2009 , 36, 157-164	0.3	6
44	Enhancement in leaf photosynthesis and upregulation of Rubisco in the C sorghum plant at elevated growth carbon dioxide and temperature occur at early stages of leaf ontogeny. <i>Functional Plant Biology</i> , 2009 , 36, 761-769	2.7	40
43	Influence of fungicide and sowing density on the growth and yield of two groundnut cultivars. <i>Journal of Agricultural Science</i> , 2009 , 147, 179-191	1	9
42	Heat-induced accumulation of chloroplast protein synthesis elongation factor, EF-Tu, in winter wheat. <i>Journal of Plant Physiology</i> , 2008 , 165, 192-202	3.6	77
41	Impact of Nighttime Temperature on Physiology and Growth of Spring Wheat. <i>Crop Science</i> , 2008 , 48, 2372-2380	2.4	173
40	Sensitivity of Grain Sorghum to High Temperature Stress during Reproductive Development. <i>Crop Science</i> , 2008 , 48, 1911-1917	2.4	181
39	A Model for Prediction of Heat Stability of Photosynthetic Membranes. <i>Crop Science</i> , 2008 , 48, 1513-1522	2.4	11
38	Influence of growth temperature on the amounts of tocopherols, tocotrienols, and gamma-oryzanol in brown rice. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7559-65	5.7	67
37	Influence of High Temperature and Breeding for Heat Tolerance in Cotton: A Review. <i>Advances in Agronomy</i> , 2007 , 93, 313-385	7.7	124
36	Correlation between Heat Stability of Thylakoid Membranes and Loss of Chlorophyll in Winter Wheat under Heat Stress. <i>Crop Science</i> , 2007 , 47, 2067-2073	2.4	141
35	Effects of season-long high temperature growth conditions on sugar-to-starch metabolism in developing microspores of grain sorghum (<i>Sorghum bicolor</i> L. Moench). <i>Planta</i> , 2007 , 227, 67-79	4.7	122
34	Drought, pod yield, pre-harvest <i>Aspergillus</i> infection and aflatoxin contamination on peanut in Niger. <i>Field Crops Research</i> , 2006 , 98, 20-29	5.5	49
33	Adverse high temperature effects on pollen viability, seed-set, seed yield and harvest index of grain-sorghum [<i>Sorghum bicolor</i> (L.) Moench] are more severe at elevated carbon dioxide due to higher tissue temperatures. <i>Agricultural and Forest Meteorology</i> , 2006 , 139, 237-251	5.8	297
32	Species, ecotype and cultivar differences in spikelet fertility and harvest index of rice in response to high temperature stress. <i>Field Crops Research</i> , 2006 , 95, 398-411	5.5	488
31	Influence of Soil Temperature on Seedling Emergence and Early Growth of Peanut Cultivars in Field Conditions. <i>Journal of Agronomy and Crop Science</i> , 2006 , 192, 168-177	3.9	34

30	Disease assessment methods and their use in simulating growth and yield of peanut crops affected by leafspot disease. <i>Annals of Applied Biology</i> , 2005 , 146, 469-479	2.6	10
29	Effects of sowing date and fungicide application on yield of early and late maturing peanut cultivars grown under rainfed conditions in Ghana. <i>Crop Protection</i> , 2005 , 24, 325-332	2.7	28
28	Crop Responses to Elevated Carbon Dioxide and Interaction with Temperature. <i>Journal of Crop Improvement</i> , 2005 , 13, 113-155	1.4	53
27	Crop Responses to Elevated Carbon Dioxide and Interactions with Temperature. <i>Journal of Crop Improvement</i> , 2005 , 13, 157-191	1.4	35
26	Differences in in vitro pollen germination and pollen tube growth of cotton cultivars in response to high temperature. <i>Annals of Botany</i> , 2005 , 96, 59-67	4.1	172
25	The carbohydrate metabolism enzymes sucrose-P synthase and ADG-pyrophosphorylase in phaseolus bean leaves are up-regulated at elevated growth carbon dioxide and temperature. <i>Plant Science</i> , 2004 , 166, 1565-1573	5.3	35
24	Crop Responses to Elevated Carbon Dioxide 2004 , 346-348		9
23	Super-optimal temperatures are detrimental to peanut (<i>Arachis hypogaea</i> L.) reproductive processes and yield at both ambient and elevated carbon dioxide. <i>Global Change Biology</i> , 2003 , 9, 1775-1787	11.4	152
22	Heat tolerance in groundnut. <i>Field Crops Research</i> , 2003 , 80, 63-77	5.5	56
21	NUTRITION Iron Chlorosis 2003 , 649-656		8
20	PLANTS AND THE ENVIRONMENT Ozone Depletion 2003 , 749-756		2
19	Dry Matter Production and Rate of Change of Harvest Index at High Temperature in Peanut. <i>Crop Science</i> , 2002 , 42, 146-151	2.4	35
18	Effects of elevated temperature and carbon dioxide on seed-set and yield of kidney bean (<i>Phaseolus vulgaris</i> L.). <i>Global Change Biology</i> , 2002 , 8, 710-721	11.4	202
17	Response of in vitro pollen germination and pollen tube growth of groundnut (<i>Arachis hypogaea</i> L.) genotypes to temperature. <i>Plant, Cell and Environment</i> , 2002 , 25, 1651-1661	8.4	125
16	INFLUENCE OF INTEGRATED USE OF FARMYARD MANURE AND INORGANIC FERTILIZERS ON YIELD AND YIELD COMPONENTS OF IRRIGATED LOWLAND RICE. <i>Journal of Plant Nutrition</i> , 2002 , 25, 2081-2090	2.3	70
15	Maximizing yields in rice-groundnut cropping sequence through integrated nutrient management. <i>Field Crops Research</i> , 2002 , 75, 9-21	5.5	39
14	Dry Matter Production and Rate of Change of Harvest Index at High Temperature in Peanut. <i>Crop Science</i> , 2002 , 42, 146	2.4	26
13	DORMANCY IN YAMS. <i>Experimental Agriculture</i> , 2001 , 37, 147-181	1.7	31

12	Influence of high temperature during pre- and post-anthesis stages of floral development on fruit-set and pollen germination in peanut. <i>Functional Plant Biology</i> , 2001 , 28, 233	2.7	25
11	RESPONSE OF GROUNDNUTS DEPENDENT ON SYMBIOTIC AND INORGANIC NITROGEN TO HIGH AIR AND SOIL TEMPERATURES. <i>Journal of Plant Nutrition</i> , 2001 , 24, 623-637	2.3	9
10	Escape and tolerance to high temperature at flowering in groundnut (<i>Arachis hypogaea</i> L.). <i>Journal of Agricultural Science</i> , 2000 , 135, 371-378	1	14
9	Temperature variability and the yield of annual crops. <i>Agriculture, Ecosystems and Environment</i> , 2000 , 82, 159-167	5.7	401
8	Effect of high air and soil temperature on dry matter production, pod yield and yield components of groundnut. <i>Plant and Soil</i> , 2000 , 222, 231-239	4.2	53
7	On-farm diagnosis and management of iron chlorosis in groundnut. <i>Journal of Plant Nutrition</i> , 2000 , 23, 1471-1483	2.3	10
6	Sensitivity of Peanut to Timing of Heat Stress during Reproductive Development. <i>Crop Science</i> , 1999 , 39, 1352-1357	2.4	94
5	Fruit Number in Relation to Pollen Production and Viability in Groundnut Exposed to Short Episodes of Heat Stress. <i>Annals of Botany</i> , 1999 , 84, 381-386	4.1	152
4	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> , 1	4.2	1
3	Grain micronutrient composition and yield components in field-grown wheat are negatively impacted by high night-time temperature. <i>Cereal Chemistry</i> ,	2.4	1
2	Impacts of Drought and/or Heat Stress on Physiological, Developmental, Growth, and Yield Processes of Crop Plants. <i>Advances in Agricultural Systems Modeling</i> , 301-355	0.3	99
1	Resistance to tembotrione, a 4- Hydroxyphenylpyruvate Dioxygenase-Inhibitor in <i>Sorghum bicolor</i>		1