

K Raja Reddy

List of Publications by Year in descending order

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165
papers

7,581
citations

47004

47
h-index

62593

80
g-index

172
all docs

172
docs citations

172
times ranked

5686
citing authors

#	ARTICLE	IF	CITATIONS
1	Field crop responses to ultraviolet-B radiation: a review. <i>Agricultural and Forest Meteorology</i> , 2003, 120, 191-218.	4.8	408
2	Nitrogen deficiency effects on plant growth, leaf photosynthesis, and hyperspectral reflectance properties of sorghum. <i>European Journal of Agronomy</i> , 2005, 22, 391-403.	4.1	384
3	High-Temperature Effects on Rice Growth, Yield, and Grain Quality. <i>Advances in Agronomy</i> , 2011, 111, 87-206.	5.2	292
4	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.	2.9	214
5	Interactive effects of carbon dioxide, temperature, and ultraviolet-B radiation on soybean (<i>Glycine</i>) Tj ETQq1 1 0.784314 rgBT /Overlook Experimental Botany, 2005, 56, 725-736.	4.8	203
6	Corn (<i>Zea mays</i> L.) growth, leaf pigment concentration, photosynthesis and leaf hyperspectral reflectance properties as affected by nitrogen supply. <i>Plant and Soil</i> , 2003, 257, 205-218.	3.7	169
7	Influence of High Temperature and Breeding for Heat Tolerance in Cotton: A Review. <i>Advances in Agronomy</i> , 2007, 93, 313-385.	5.2	167
8	Effects of Ultraviolet-B Radiation on Cotton (<i>Gossypium hirsutum</i> L.) Morphology and Anatomy. <i>Annals of Botany</i> , 2003, 91, 817-826.	2.9	165
9	Statistical Estimation of Daily Maximum and Minimum Air Temperatures from MODIS LST Data over the State of Mississippi. <i>GIScience and Remote Sensing</i> , 2006, 43, 78-110.	5.9	160
10	Pollen-Based Screening of Soybean Genotypes for High Temperatures. <i>Crop Science</i> , 2007, 47, 219-231.	1.8	157
11	Regulation of photosynthesis, fluorescence, stomatal conductance and water-use efficiency of cowpea (<i>Vigna unguiculata</i> [L.] Walp.) under drought. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 105, 40-50.	3.8	156
12	Reflectance indices with precision and accuracy in predicting cotton leaf nitrogen concentration. <i>Crop Science</i> , 2000, 40, 1814-1819.	1.8	154
13	Yield and fiber quality of Upland cotton as influenced by nitrogen and potassium nutrition. <i>European Journal of Agronomy</i> , 2006, 24, 282-290.	4.1	148
14	Narrow-Waveband Reflectance Ratios for Remote Estimation of Nitrogen Status in Cotton. <i>Journal of Environmental Quality</i> , 2002, 31, 1442-1452.	2.0	144
15	Temperature Effects on Cotton Fruit Retention. <i>Agronomy Journal</i> , 1992, 84, 26-30.	1.8	129
16	Temperature Regime and Carbon Dioxide Enrichment Alter Cotton Boll Development and Fiber Properties. <i>Agronomy Journal</i> , 1999, 91, 851-858.	1.8	124
17	Interactive effects of elevated CO ₂ and potassium deficiency on photosynthesis, growth, and biomass partitioning of cotton. <i>Field Crops Research</i> , 2005, 94, 201-213.	5.1	118
18	Growth and physiological responses of cotton (<i>Gossypium hirsutum</i> L.) to elevated carbon dioxide and ultraviolet-B radiation under controlled environmental conditions. <i>Plant, Cell and Environment</i> , 2003, 26, 771-782.	5.7	113

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19	Temperature Effects on Early Season Cotton Growth and Development. <i>Agronomy Journal</i> , 1992, 84, 229-237.	1.8	108
20	Senescence and hyperspectral reflectance of cotton leaves exposed to ultraviolet-B radiation and carbon dioxide. <i>Physiologia Plantarum</i> , 2004, 121, 250-257.	5.2	103
21	Soybean seed physiology, quality, and chemical composition under soil moisture stress. <i>Food Chemistry</i> , 2019, 278, 92-100.	8.2	98
22	Selection of Optimum Reflectance Ratios for Estimating Leaf Nitrogen and Chlorophyll Concentrations of Field-Grown Cotton. <i>Agronomy Journal</i> , 2005, 97, 89-98.	1.8	88
23	Canopy reflectance in cotton for growth assessment and lint yield prediction. <i>European Journal of Agronomy</i> , 2007, 26, 335-344.	4.1	88
24	Crop Modeling and Applications: A Cotton Example. <i>Advances in Agronomy</i> , 1997, , 225-290.	5.2	87
25	Effects of carbon dioxide, temperature and ultraviolet-B radiation and their interactions on soybean (<i>Glycine max L.</i>) growth and development. <i>Environmental and Experimental Botany</i> , 2007, 60, 1-10.	4.2	85
26	A Comparison of Scenarios for the Effect of Global Climate Change on Cotton Growth and Yield. <i>Functional Plant Biology</i> , 1997, 24, 707.	2.1	78
27	Interactive Effects of Carbon Dioxide and Nitrogen Nutrition on Cotton Growth, Development, Yield, and Fiber Quality. <i>Agronomy Journal</i> , 2004, 96, 1148-1157.	1.8	76
28	Carbon dioxide enrichment and temperature effects on cotton canopy photosynthesis, transpiration, and water-use efficiency. <i>Field Crops Research</i> , 1995, 41, 13-23.	5.1	75
29	Simulating the impacts of climate change on cotton production in the Mississippi Delta. <i>Climate Research</i> , 2002, 22, 271-281.	1.1	75
30	Temperature Effect on Growth and Development of Cotton During the Fruiting Period. <i>Agronomy Journal</i> , 1991, 83, 211-217.	1.8	74
31	Temperature Effects on Pima Cotton Growth and Development. <i>Agronomy Journal</i> , 1992, 84, 237-243.	1.8	73
32	Nitrogen nutrition and photosynthesis in leaves of Pima cotton ¹ . <i>Journal of Plant Nutrition</i> , 1996, 19, 755-770.	1.9	73
33	Interactions of CO ₂ enrichment and temperature on cotton growth and leaf characteristics. <i>Environmental and Experimental Botany</i> , 1998, 39, 117-129.	4.2	73
34	Interactive Effects of Ultraviolet-B Radiation and Temperature on Cotton Physiology, Growth, Development and Hyperspectral Reflectance. <i>Photochemistry and Photobiology</i> , 2004, 79, 416.	2.5	72
35	Impacts of Changing Climate and Climate Variability on Seed Production and Seed Industry. <i>Advances in Agronomy</i> , 2013, , 49-110.	5.2	71
36	Screening Capsicum species of different origins for high temperature tolerance by in vitro pollen germination and pollen tube length. <i>Scientia Horticulturae</i> , 2007, 112, 130-135.	3.6	70

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37	Drought stress has transgenerational effects on soybean seed germination and seedling vigor. PLoS ONE, 2019, 14, e0214977.	2.5	65
38	Soybean (<i>Glycine max</i>) Pollen Germination Characteristics, Flower and Pollen Morphology in Response to Enhanced Ultraviolet-B Radiation. Annals of Botany, 2004, 94, 855-864.	2.9	64
39	Evaluating rice for salinity using pot-culture provides a systematic tolerance assessment at the seedling stage. Rice, 2019, 12, 57.	4.0	64
40	Physiological causes of cotton fruit abscission under conditions of high temperature and enhanced ultraviolet-B radiation. Physiologia Plantarum, 2005, 124, 189-199.	5.2	62
41	Photosynthesis, fluorescence, shoot biomass and seed weight responses of three cowpea (<i>Vigna</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Experimental Botany, 2009, 66, 160-171.	4.2	62
42	Mepiquat chloride (PIX)-induced changes in photosynthesis and growth of cotton. Plant Growth Regulation, 1996, 20, 179-183.	3.4	59
43	Leaf and canopy photosynthetic characteristics of cotton (<i>Gossypium hirsutum</i>) under elevated CO ₂ concentration and UV-B radiation. Journal of Plant Physiology, 2004, 161, 581-590.	3.5	57
44	Quantifying Temperature Effects on Cotton Reproductive Efficiency and Fiber Quality. Agronomy Journal, 2014, 106, 1275-1282.	1.8	56
45	Assessment of Cold and Heat Tolerance of Winter-grown Canola (<i>Brassica napus</i> L.) Cultivars by Pollen-based Parameters. Journal of Agronomy and Crop Science, 2008, 194, 225-236.	3.5	55
46	Screening Corn Hybrids for Cold Tolerance using Morphological Traits for Early-Season Seeding. Crop Science, 2015, 55, 851-867.	1.8	55
47	Modeling Temperature Effects on Cotton Internode and Leaf Growth. Crop Science, 1997, 37, 503-509.	1.8	53
48	Evaluating Soybean Cultivars for Low- and High-Temperature Tolerance During the Seedling Growth Stage. Agronomy, 2019, 9, 13.	3.0	53
49	Interactive effects on CO ₂ , drought, and ultraviolet-B radiation on maize growth and development. Journal of Photochemistry and Photobiology B: Biology, 2016, 160, 198-209.	3.8	52
50	Temperature Effects on Cotton Seedling Emergence, Growth, and Development. Agronomy Journal, 2017, 109, 1379-1387.	1.8	52
51	Screening of Rice Cultivars for Morpho-Physiological Responses to Early-Season Soil Moisture Stress. Rice Science, 2017, 24, 322-335.	3.9	52
52	Carbon dioxide and temperature effects on pima cotton growth. Agriculture, Ecosystems and Environment, 1995, 54, 17-29.	5.3	50
53	Cowpea (<i>Vigna unguiculata</i> [L.] Walp.) genotypes response to multiple abiotic stresses. Journal of Photochemistry and Photobiology B: Biology, 2010, 100, 135-146.	3.8	48
54	Reproductive and Fiber Quality Responses of Upland Cotton to Moisture Deficiency. Agronomy Journal, 2014, 106, 1060-1069.	1.8	47

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55	Mepiquat Chloride and Temperature Effects on Photosynthesis and Respiration of Fruiting Cotton. <i>Crop Science</i> , 1991, 31, 1302-1308.	1.8	46
56	Spectral reflectance curves to distinguish soybean from common cocklebur (<i>Xanthium strumarium</i>) and sicklepod (<i>Cassia obtusifolia</i>) grown with varying soil moisture. <i>Weed Science</i> , 2004, 52, 788-796.	1.5	46
57	Physiological assessment of water deficit in soybean using midday leaf water potential and spectral features. <i>Journal of Plant Interactions</i> , 2019, 14, 533-543.	2.1	46
58	Growth, developmental, and physiological responses of two sweetpotato (<i>Ipomoea batatas</i> L. [Lam]) cultivars to early season soil moisture deficit. <i>Scientia Horticulturae</i> , 2014, 168, 218-228.	3.6	45
59	Cotton responses to ultraviolet-B radiation: experimentation and algorithm development. <i>Agricultural and Forest Meteorology</i> , 2003, 120, 249-265.	4.8	44
60	Remote Sensing to Detect Herbicide Drift on Crops. <i>Weed Technology</i> , 2004, 18, 358-368.	0.9	44
61	Quantifying soil moisture deficit effects on soybean yield and yield component distribution patterns. <i>Irrigation Science</i> , 2018, 36, 241-255.	2.8	43
62	Quantifying nitrogen effects on castor bean (<i>Ricinus communis</i> L.) development, growth, and photosynthesis. <i>Industrial Crops and Products</i> , 2010, 31, 185-191.	5.2	42
63	Crop Responses to Elevated Carbon Dioxide and Interactions with Temperature. <i>Journal of Crop Improvement</i> , 2005, 13, 157-191.	1.7	40
64	Proteomics, physiological, and biochemical analysis of cross tolerance mechanisms in response to heat and water stresses in soybean. <i>PLoS ONE</i> , 2020, 15, e0233905.	2.5	40
65	Carbon Dioxide and Temperature Effects on Pima Cotton Development. <i>Agronomy Journal</i> , 1995, 87, 820-826.	1.8	38
66	Deriving a Simple Spectral Reflectance Ratio to Determine Cotton Leaf Water Potential. <i>Journal of New Seeds</i> , 2007, 8, 11-27.	0.3	38
67	Genotypic variability among cotton cultivars for heat and drought tolerance using reproductive and physiological traits. <i>Euphytica</i> , 2018, 214, 1.	1.2	37
68	Quantifying Storage Root Initiation, Growth, and Developmental Responses of Sweetpotato to Early Season Temperature. <i>Agronomy Journal</i> , 2014, 106, 1795-1804.	1.8	36
69	Assessing morphological characteristics of elite cotton lines from different breeding programmes for low temperature and drought tolerance. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 467-476.	3.5	35
70	Quantifying Corn Growth and Physiological Responses to Ultraviolet-B Radiation for Modeling. <i>Agronomy Journal</i> , 2013, 105, 1367-1377.	1.8	34
71	Carbon dioxide and temperature interactions on stem extension, node initiation, and fruiting in cotton. <i>Agriculture, Ecosystems and Environment</i> , 1995, 55, 17-28.	5.3	33
72	Screening Ornamental Pepper Cultivars for Temperature Tolerance Using Pollen and Physiological Parameters. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 878-884.	1.0	33

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73	Photosynthesis and fluorescence responses of C ₄ plant <i>Andropogon gerardii</i> acclimated to temperature and carbon dioxide. <i>Photosynthetica</i> , 2008, 46, 420-430.	1.7	32
74	Developing functional relationships between temperature and soybean yield and seed quality. <i>Agronomy Journal</i> , 2020, 112, 194-204.	1.8	31
75	Growth and physiological trait variation among corn hybrids for cold tolerance. <i>Canadian Journal of Plant Science</i> , 0, , 639-656.	0.9	29
76	Interactive effects of carbon dioxide, low temperature, and ultraviolet-B radiation on cotton seedling root and shoot morphology and growth. <i>Frontiers of Earth Science</i> , 2016, 10, 607-620.	2.1	29
77	Crop ecosystem responses to climatic change: cotton.. , 2000, , 161-187.		28
78	Developing and Validating a Model for a Plant Growth Regulator. <i>Agronomy Journal</i> , 1995, 87, 1100-1105.	1.8	26
79	Low and high-temperature effects on sweetpotato storage root initiation and early transplant establishment. <i>Scientia Horticulturae</i> , 2018, 240, 38-48.	3.6	26
80	Early-season Soil Moisture Deficit Reduces Sweetpotato Storage Root Initiation and Development. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2013, 48, 1457-1462.	1.0	26
81	Temperature Effects on Pima Cotton Leaf Growth. <i>Agronomy Journal</i> , 1993, 85, 681-686.	1.8	25
82	Sweetpotato Responses to Mid- and Late-Season Soil Moisture Deficits. <i>Crop Science</i> , 2016, 56, 1865-1877.	1.8	25
83	Title is missing!. <i>Plant Growth Regulation</i> , 1998, 26, 33-40.	3.4	24
84	Switchgrass (<i>Panicum virgatum</i> L.) Intraspecific Variation and Thermotolerance Classification Using in Vitro Seed Germination Assay. <i>American Journal of Plant Sciences</i> , 2011, 02, 134-147.	0.8	23
85	Title is missing!. <i>Climatic Change</i> , 2003, 60, 99-129.	3.6	22
86	Uniformity of Soil-Plant-Atmosphere-Research Chambers. <i>Transactions of the ASABE</i> , 2009, 52, 1721-1731.	1.1	22
87	Quantifying Growth and Developmental Responses of Sweetpotato to Mid- and Late-Season Temperature. <i>Agronomy Journal</i> , 2015, 107, 1854-1862.	1.8	21
88	Temperature Effects on the Shoot and Root Growth, Development, and Biomass Accumulation of Corn (<i>Zea mays</i> L.). <i>Agriculture (Switzerland)</i> , 2022, 12, 443.	3.1	20
89	Assessing genotypic variability of cowpea (<i>Vigna unguiculata</i> [L.] Walp.) to current and projected ultraviolet-B radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2008, 93, 71-81.	3.8	19
90	Maize growth and developmental responses to temperature and ultraviolet-B radiation interaction. <i>Photosynthetica</i> , 2014, 52, 262-271.	1.7	19

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91	Physical Modeling of U.S. Cotton Yields and Climate Stresses during 1979 to 2005. <i>Agronomy Journal</i> , 2012, 104, 675-683.	1.8	18
92	Developing a Screening Tool for Osmotic Stress Tolerance Classification of Rice Cultivars Based on In Vitro Seed Germination. <i>Crop Science</i> , 2017, 57, 387-394.	1.8	17
93	Morpho-Physiological Characterization of Diverse Rice Genotypes for Seedling Stage High- and Low-Temperature Tolerance. <i>Agronomy</i> , 2021, 11, 112.	3.0	17
94	Temperature response of C4 species big bluestem (<i>Andropogon gerardii</i>) is modified by growing carbon dioxide concentration. <i>Environmental and Experimental Botany</i> , 2007, 61, 281-290.	4.2	16
95	A Distributed Cotton Growth Model Developed from GOSSYM and Its Parameter Determination. <i>Agronomy Journal</i> , 2012, 104, 661-674.	1.8	16
96	Elevated carbon dioxide and drought modulate physiology and storage-root development in sweet potato by regulating microRNAs. <i>Functional and Integrative Genomics</i> , 2019, 19, 171-190.	3.5	16
97	Drought Stress Tolerance Screening of Elite American Breeding Rice Genotypes Using Low-Cost Pre-Fabricated Mini-Hoop Modules. <i>Agronomy</i> , 2019, 9, 199.	3.0	15
98	Yield, Physiological Performance, and Phytochemistry of Basil (<i>Ocimum basilicum</i> L.) under Temperature Stress and Elevated CO ₂ Concentrations. <i>Plants</i> , 2021, 10, 1072.	3.5	15
99	Ultraviolet (UV) B effects on growth and yield of three contrasting sweet potato cultivars. <i>Photosynthetica</i> , 2020, 58, 37-44.	1.7	15
100	Growth responses of cotton to aldicarb and temperature. <i>Environmental and Experimental Botany</i> , 1997, 38, 39-48.	4.2	14
101	Water Deficit Effects on Soybean Root Morphology and Early-Season Vigor. <i>Agronomy</i> , 2019, 9, 836.	3.0	13
102	Drought and Elevated CO ₂ Impacts Photosynthesis and Biochemicals of Basil (<i>Ocimum basilicum</i> L.). <i>Stresses</i> , 2021, 1, 223-237.	4.8	13
103	Drought, Low Nitrogen Stress, and Ultraviolet-B Radiation Effects on Growth, Development, and Physiology of Sweetpotato Cultivars during Early Season. <i>Genes</i> , 2022, 13, 156.	2.4	13
104	High-Temperature and Drought-Resilience Traits among Interspecific Chromosome Substitution Lines for Genetic Improvement of Upland Cotton. <i>Plants</i> , 2020, 9, 1747.	3.5	12
105	Ultraviolet-B Radiation Alters Soybean Growth and Seed Quality. <i>Food and Nutrition Sciences (Print)</i> , 2016, 07, 55-66.	0.4	12
106	Developing Functional Relationships between Soil Waterlogging and Corn Shoot and Root Growth and Development. <i>Plants</i> , 2021, 10, 2095.	3.5	12
107	Morpho-Physiological, Yield, and Transgenerational Seed Germination Responses of Soybean to Temperature. <i>Frontiers in Plant Science</i> , 2022, 13, 839270.	3.6	11
108	Response of bahiagrass carbon assimilation and photosystem activity to below optimum temperatures. <i>Functional Plant Biology</i> , 2008, 35, 1243.	2.1	10

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109	Comparative Proteomic Analysis of Cotton Fiber Development and Protein Extraction Method Comparison in Late Stage Fibers. <i>Proteomes</i> , 2016, 4, 7.	3.5	10
110	Interactive Impacts of Temperature and Elevated CO ₂ on Basil (<i>Ocimum basilicum</i> L.) Root and Shoot Morphology and Growth. <i>Horticulturae</i> , 2021, 7, 112.	2.8	10
111	Cotton responses to nitrogen, carbon dioxide, and temperature interactions. <i>Soil Science and Plant Nutrition</i> , 1997, 43, 1125-1130.	1.9	9
112	Remote Sensing to Distinguish Soybean from Weeds After Herbicide Application. <i>Weed Technology</i> , 2004, 18, 594-604.	0.9	9
113	Using MODIS LST data for high-resolution estimates of daily air temperature over Mississippi. , 0, , .		9
114	Harvest Frequency and Nitrogen Effects on Yield, Chemical Characteristics, and Nutrient Removal of Switchgrass. <i>Agronomy Journal</i> , 2014, 106, 1805-1816.	1.8	9
115	Developing functional relationships between temperature and cover crop species vegetative growth and development. <i>Agronomy Journal</i> , 2021, 113, 1333-1348.	1.8	9
116	Physiological and pollen-based screening of shrub roses for hot and drought environments. <i>Scientia Horticulturae</i> , 2021, 282, 110062.	3.6	9
117	Alterations in the leaf lipidome of <i>Brassica carinata</i> under high-temperature stress. <i>BMC Plant Biology</i> , 2021, 21, 404.	3.6	9
118	Exploring the Use of the Environmental Productivity Index Concept for Crop Production and Modeling. <i>Advances in Agricultural Systems Modeling</i> , 0, , 387-410.	0.3	9
119	MINERAL DEFICIENCY STRESS: Reflectance Properties, Leaf Photosynthesis and Growth of Nitrogen Deficient Big Bluestem (<i>Andropogon gerardii</i>). <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 379-390.	3.5	8
120	Parental Environmental Effects on Seed Quality and Germination Response to Temperature of <i>Andropogon gerardii</i> . <i>Agronomy</i> , 2019, 9, 304.	3.0	8
121	Remote sensing algorithms for castor bean nitrogen and pigment assessment for fertility management. <i>Industrial Crops and Products</i> , 2010, 32, 411-419.	5.2	7
122	Projected day/night temperatures specifically limits rubisco activity and electron transport in diverse rice cultivars. <i>Environmental and Experimental Botany</i> , 2019, 159, 191-199.	4.2	7
123	Assessment of solar radiation models and temporal averaging schemes in predicting radiation and cotton production in the southern United States. <i>Climate Research</i> , 2004, 27, 85-103.	1.1	7
124	Preliminary results of the coupled CWRP-GOSSYM system. , 2005, 5884, 68.		6
125	Physiological Simulation of Cotton Growth and Yield. , 2010, , 318-331.		6
126	Morph-physiological responses of cotton interspecific chromosome substitution lines to low temperature and drought stresses. <i>Euphytica</i> , 2018, 214, 1.	1.2	6

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127	Assessment of agro-morphological, physiological and yield traits diversity among tropical rice. PeerJ, 2021, 9, e11752.	2.0	6
128	Effect of Enhanced UV-B Radiation on Reniform Nematode (<i>Rotylenchus reniformis</i> Linford and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.2	6
129	Quantifying and Validating Soybean Seed Emergence Model as a Function of Temperature. American Journal of Plant Sciences, 2019, 10, 111-124.	0.8	6
130	Drought and Elevated Carbon Dioxide Impact the Morphophysiological Profile of Basil (<i>Ocimum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 60	1.4	6
131	Photoacoustic Study of Nutritional Deficiencies in Cotton Plants. Instrumentation Science and Technology, 2003, 31, 231-247.	1.8	5
132	Harvesting Effects on Species Composition and Distribution of Cover Attributes in Mixed Native Warm-Season Grass Stands. Environments - MDPI, 2015, 2, 167-185.	3.3	5
133	Cotton Crop Responses to a Changing Environment. ASA Special Publication, 0, , 3-30.	0.8	5
134	S-metolachlor and rainfall effects on sweetpotato (<i>Ipomoea batatas</i> L. [Lam]) growth and development. Scientia Horticulturae, 2015, 185, 98-104.	3.6	5
135	EarlySeason Morphological and Physiological Responses of Resistant and Susceptible Cotton Genotypes to Reniform Nematode and Soil Nitrogen. Agronomy, 2020, 10, 1974.	3.0	5
136	Applications of a Cotton Simulation Model, GOSSYM, for Crop Management, Economic, and Policy Decisions. , 2002, , .		5
137	Interactive Effects of Ultravioletâ€B Radiation and Temperature on Cotton Physiology, Growth, Development and Hyperspectral Reflectance^{A†}. Photochemistry and Photobiology, 2004, 79, 416-427.	2.5	4
138	In vitro seed germination response of corn hybrids to osmotic stressÂconditions. , 2020, 3, e20087.		4
139	Effects of Ultraviolet-B Radiation and Its Interactions with Climate Change Factors on Agricultural Crop Growth and Yield. , 2010, , 395-436.		4
140	Cotton responses to nitrogen, carbon dioxide, and temperature interactions. , 1997, , 867-872.		4
141	Phenotyping of Southern United States Soybean Cultivars for Potential Seed Weight and Seed Quality Compositions. Agronomy, 2022, 12, 839.	3.0	4
142	Silicon Enhances Plant Vegetative Growth and Soil Water Retention of Soybean (<i>Glycine max</i>) Plants under Water-Limiting Conditions. Plants, 2022, 11, 1687.	3.5	4
143	Exploring the Limitations for Cotton Growth and Yield. Journal of New Seeds, 2007, 8, 1-22.	0.3	3
144	Alteration of root and shoot morphologies by interspecific replacement of individual Upland cotton chromosome or chromosome segment pairs. Euphytica, 2021, 217, 1.	1.2	3

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145	Agronomic characterization of cotton genotypes susceptible and resistant to reniform nematode in the United States Midsouth. <i>Agronomy Journal</i> , 2021, 113, 4280-4291.	1.8	3
146	Developing functional relationships between sesame growth, development, and nitrogen nutrition during early season. , 2021, 4, e20198.		3
147	PLANTS AND THE ENVIRONMENT Ozone Depletion. , 2003, , 749-756.		3
148	MODELING AND VALIDATING COTTON LEAF AREA DEVELOPMENT AND STEM ELONGATION. <i>Acta Horticulturae</i> , 2002, , 193-199.	0.2	3
149	Estimating cotton growth and developmental parameters through remote sensing. , 2004, 5153, 277.		2
150	Effects of CO ₂ and Temperature on Crops: Lessons from SPAR Growth Chambers. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2010, , 55-86.	0.4	2
151	Remote-sensing algorithms for estimating nitrogen uptake and nitrogen-use efficiency in cotton. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2010, 60, 500-509.	0.6	2
152	Wildlife Habitat Quality (Sward Structure and Ground Cover) Response of Mixed Native Warm-Season Grasses to Harvesting. <i>Environments - MDPI</i> , 2014, 1, 75-91.	3.3	2
153	First Harvest Timing and Nitrogen Application Rate Effects on Chemical Composition and Ethanol Yield of Switchgrass. <i>Crop, Forage and Turfgrass Management</i> , 2016, 2, 1-16.	0.6	2
154	Ozone Depletion. , 2017, , 318-326.		2
155	Individual and Interactive Temporal Implications of UV-B Radiation and Elevated CO ₂ on the Morphology of Basil (<i>Ocimum basilicum</i> L.). <i>Horticulturae</i> , 2021, 7, 474.	2.8	2
156	Low- and High-Temperature Phenotypic Diversity of Brassica carinata Genotypes for Early-Season Growth and Development. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	2
157	Spatial Scale Effects of Climate Scenarios on Simulated Cotton Production in the Southeastern U.S.A.. , 2003, , 99-129.		1
158	Interactive effects of atmospheric carbon dioxide and ultraviolet-B radiation on cotton growth and physiology. , 2003, 5156, 262.		1
159	Genotypic variation of soybean and cotton crops in their response to UV-B radiation for vegetative growth and physiology. , 2005, 5886, 156.		1
160	Harvest timing and N application rate effects on switchgrass yield, nutrient cycling, and partitioning. <i>Journal of Plant Nutrition</i> , 2017, 40, 1261-1276.	1.9	1
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