

Kenneth Boote

List of Publications by Year in descending order

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157
papers

10,853
citations

44066

48
h-index

33889

99
g-index

160
all docs

160
docs citations

160
times ranked

9494
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing agricultural risks of climate change in the 21st century in a global gridded crop model intercomparison. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3268-3273.	7.1	1,649
2	Global climate change and US agriculture. Nature, 1990, 345, 219-224.	27.8	616
3	How do various maize crop models vary in their responses to climate change factors?. Global Change Biology, 2014, 20, 2301-2320.	9.5	525
4	Potential Uses and Limitations of Crop Models. Agronomy Journal, 1996, 88, 704-716.	1.8	432
5	Brief history of agricultural systems modeling. Agricultural Systems, 2017, 155, 240-254.	6.1	403
6	Multimodel ensembles of wheat growth: many models are better than one. Global Change Biology, 2015, 21, 911-925.	9.5	387
7	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. Agricultural and Forest Meteorology, 2006, 139, 237-251.	4.8	362
8	Uncertainties in predicting rice yield by current crop models under a wide range of climatic conditions. Global Change Biology, 2015, 21, 1328-1341.	9.5	339
9	Toward a new generation of agricultural system data, models, and knowledge products: State of agricultural systems science. Agricultural Systems, 2017, 155, 269-288.	6.1	261
10	Crop response to elevated CO ₂ and world food supply. European Journal of Agronomy, 2007, 26, 215-223.	4.1	244
11	Effects of elevated temperature and carbon dioxide on seed-set and yield of kidney bean (<i>Phaseolus</i>) Tj ETQq1 1 0.784314 rgBT / Overbo	9.5	237
12	Regional disparities in the beneficial effects of rising CO ₂ concentrations on crop water productivity. Nature Climate Change, 2016, 6, 786-790.	18.8	190
13	Super-optimal temperatures are detrimental to peanut (<i>Arachis hypogaea</i> L.) reproductive processes and yield at both ambient and elevated carbon dioxide. Global Change Biology, 2003, 9, 1775-1787.	9.5	179
14	Putting mechanisms into crop production models. Plant, Cell and Environment, 2013, 36, 1658-1672.	5.7	159
15	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). Planta, 2007, 227, 67-79.	3.2	157
16	The DSSAT crop modeling ecosystem. Burleigh Dodds Series in Agricultural Science, 2019, , 173-216.	0.2	147
17	Elevated Temperature and CO ₂ Impacts on Pollination, Reproductive Growth, and Yield of Several Globally Important Crops. J Agricultural Meteorology, 2005, 60, 469-474.	1.5	131
18	Elevated CO ₂ increases water use efficiency by sustaining photosynthesis of water-limited maize and sorghum. Journal of Plant Physiology, 2011, 168, 1909-1918.	3.5	118

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19	Analysis and classification of data sets for calibration and validation of agro-ecosystem models. <i>Environmental Modelling and Software</i> , 2015, 72, 402-417.	4.5	112
20	Testing and Improving Evapotranspiration and Soil Water Balance of the DSSAT Crop Models. <i>Agronomy Journal</i> , 2004, 96, 1243-1257.	1.8	101
21	Parameter Estimation for Predicting Flowering Date of Soybean Cultivars. <i>Crop Science</i> , 1993, 33, 137-144.	1.8	94
22	Influence of Growth Temperature on the Amounts of Tocopherols, Tocotrienols, and Î³-Oryzanol in Brown Rice. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7559-7565.	5.2	93
23	Maize systems under climate change in sub-Saharan Africa. <i>International Journal of Climate Change Strategies and Management</i> , 2015, 7, 247-271.	2.9	91
24	Growth and Canopy Characteristics of Field-Grown Tomato. <i>Agronomy Journal</i> , 2000, 92, 152-159.	1.8	90
25	A potato model intercomparison across varying climates and productivity levels. <i>Global Change Biology</i> , 2017, 23, 1258-1281.	9.5	90
26	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. <i>Agronomy Journal</i> , 2002, 94, 743-756.	1.8	88
27	Comparison of Two Phenology Models for Predicting Flowering and Maturity Date of Soybean. <i>Crop Science</i> , 1996, 36, 1606-1614.	1.8	86
28	Inter-comparison of performance of soybean crop simulation models and their ensemble in southern Brazil. <i>Field Crops Research</i> , 2017, 200, 28-37.	5.1	82
29	Soybean photosynthesis, Rubisco, and carbohydrate enzymes function at supraoptimal temperatures in elevated CO ₂ . <i>Journal of Plant Physiology</i> , 2001, 158, 295-307.	3.5	81
30	Nitrogen Stress Effects on Growth and Nitrogen Accumulation by Field-Grown Tomato. <i>Agronomy Journal</i> , 2000, 92, 159-167.	1.8	80
31	Integrated description of agricultural field experiments and production: The ICASA Version 2.0 data standards. <i>Computers and Electronics in Agriculture</i> , 2013, 96, 1-12.	7.7	80
32	Impacts of 1.5 versus 2.0°C on cereal yields in the West African Sudan Savanna. <i>Environmental Research Letters</i> , 2018, 13, 034014.	5.2	70
33	How accurately do maize crop models simulate the interactions of atmospheric CO ₂ concentration levels with limited water supply on water use and yield?. <i>European Journal of Agronomy</i> , 2018, 100, 67-75.	4.1	68
34	Potential benefits of drought and heat tolerance for adapting maize to climate change in tropical environments. <i>Climate Risk Management</i> , 2018, 19, 106-119.	3.2	68
35	A SIMPLE crop model. <i>European Journal of Agronomy</i> , 2019, 104, 97-106.	4.1	67
36	Narrowing uncertainties in the effects of elevated CO ₂ on crops. <i>Nature Food</i> , 2020, 1, 775-782.	14.0	67

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37	BEANGRO: A Process-Oriented Dry Bean Model with a Versatile User Interface. <i>Agronomy Journal</i> , 1994, 86, 182-190.	1.8	65
38	Modeling the Occurrence of Reproductive Stages after Flowering for Four Soybean Cultivars. <i>Agronomy Journal</i> , 1994, 86, 31-38.	1.8	65
39	Short-term high temperature growth conditions during vegetative-to-reproductive phase transition irreversibly compromise cell wall invertase-mediated sucrose catalysis and microspore meiosis in grain sorghum (<i>Sorghum bicolor</i>). <i>Journal of Plant Physiology</i> , 2010, 167, 578-582.	3.5	65
40	Simulation of maize evapotranspiration: An inter-comparison among 29 maize models. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 264-284.	4.8	62
41	Modelling climate change impacts on maize yields under low nitrogen input conditions in sub-Saharan Africa. <i>Global Change Biology</i> , 2020, 26, 5942-5964.	9.5	60
42	A Peanut Simulation Model: I. Model Development and Testing. <i>Agronomy Journal</i> , 1995, 87, 1085-1093.	1.8	59
43	Changes in Growth CO ₂ Result in Rapid Adjustments of Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Small Subunit Gene Expression in Expanding and Mature Leaves of Rice. <i>Plant Physiology</i> , 1998, 118, 521-529.	4.8	55
44	Improving adoption of technologies and interventions for increasing supply of quality livestock feed in low- and middle-income countries. <i>Global Food Security</i> , 2020, 26, 100372.	8.1	55
45	An AgMIP framework for improved agricultural representation in integrated assessment models. <i>Environmental Research Letters</i> , 2017, 12, 125003.	5.2	54
46	Rice responses to drought under carbon dioxide enrichment. 2. Photosynthesis and evapotranspiration. <i>Global Change Biology</i> , 1997, 3, 129-138.	9.5	53
47	Accounting for both parameter and model structure uncertainty in crop model predictions of phenology: A case study on rice. <i>European Journal of Agronomy</i> , 2017, 88, 53-62.	4.1	53
48	Rice responses to drought under carbon dioxide enrichment. 1. Growth and yield. <i>Global Change Biology</i> , 1997, 3, 119-128.	9.5	51
49	Elevated CO ₂ and water deficit effects on photosynthesis, ribulose bisphosphate carboxylase-oxygenase, and carbohydrate metabolism in rice. <i>Physiologia Plantarum</i> , 1998, 103, 327-339.	5.2	51
50	Drought impact on rainfed common bean production areas in Brazil. <i>Agricultural and Forest Meteorology</i> , 2016, 225, 57-74.	4.8	51
51	Multi-wheat-model ensemble responses to interannual climate variability. <i>Environmental Modelling and Software</i> , 2016, 81, 86-101.	4.5	50
52	Adaptation strategies for maize production under climate change for semi-arid environments. <i>European Journal of Agronomy</i> , 2020, 115, 126040.	4.1	49
53	Elevated growth CO ₂ delays drought stress and accelerates recovery of rice leaf photosynthesis. <i>Environmental and Experimental Botany</i> , 2003, 49, 259-272.	4.2	48
54	Solar ultraviolet radiation exclusion increases soybean internode lengths and plant height. <i>Agricultural and Forest Meteorology</i> , 2014, 184, 170-178.	4.8	48

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55	Testing CERES-Maize versions to estimate maize production in a cool environment. <i>European Journal of Agronomy</i> , 2005, 23, 89-102.	4.1	47
56	Enhancement in leaf photosynthesis and upregulation of Rubisco in the C4 sorghum plant at elevated growth carbon dioxide and temperature occur at early stages of leaf ontogeny. <i>Functional Plant Biology</i> , 2009, 36, 761.	2.1	47
57	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO ₂ . <i>Field Crops Research</i> , 2016, 198, 80-92.	5.1	47
58	Evaluation and improvement of CROPGRO-soybean model for a cool environment in Galicia, northwest Spain. <i>Field Crops Research</i> , 1999, 61, 273-291.	5.1	46
59	Adapting the CROPGRO perennial forage model to predict growth of <i>Brachiaria brizantha</i> . <i>Field Crops Research</i> , 2011, 120, 370-379.	5.1	46
60	Harmonization and translation of crop modeling data to ensure interoperability. <i>Environmental Modelling and Software</i> , 2014, 62, 495-508.	4.5	45
61	Assessment of soybean yield with altered water-related genetic improvement traits under climate change in Southern Brazil. <i>European Journal of Agronomy</i> , 2017, 83, 1-14.	4.1	45
62	Improving the CROPGRO-Tomato Model for Predicting Growth and Yield Response to Temperature. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012, 47, 1038-1049.	1.0	44
63	Base temperature determination of tropical <i>Panicum</i> spp. grasses and its effects on degree-day-based models. <i>Agricultural and Forest Meteorology</i> , 2014, 186, 26-33.	4.8	42
64	Causes of variation among rice models in yield response to CO ₂ examined with Free-Air CO ₂ Enrichment and growth chamber experiments. <i>Scientific Reports</i> , 2017, 7, 14858.	3.3	41
65	Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. <i>Agronomy Journal</i> , 2008, 100, 296-307.	1.8	39
66	Yield-Determining Processes in Relation to Cultivar Seed Size of Common Bean. <i>Crop Science</i> , 1994, 34, 84-91.	1.8	37
67	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.	3.6	37
68	Estimation of Nitrogen Pools in Irrigated Potato Production on Sandy Soil Using the Model SUBSTOR. <i>PLoS ONE</i> , 2015, 10, e0117891.	2.5	37
69	<i>Brassica carinata</i> : Biology and agronomy as a biofuel crop. <i>GCB Bioenergy</i> , 2021, 13, 582-599.	5.6	37
70	Late Leaf Spot Effects on Growth, Photosynthesis, and Yield in Peanut Cultivars of Differing Resistance. <i>Agronomy Journal</i> , 2011, 103, 85-91.	1.8	35
71	Leaf photosynthesis and carbohydrates of CO ₂ -enriched maize and grain sorghum exposed to a short period of soil water deficit during vegetative development. <i>Journal of Plant Physiology</i> , 2011, 168, 2169-2176.	3.5	34
72	Position Statement on Crop Adaptation to Climate Change. <i>Crop Science</i> , 2011, 51, 2337-2343.	1.8	33

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73	Estimating DSSAT Cropping System Cultivar-Specific Parameters Using Bayesian Techniques. <i>Advances in Agricultural Systems Modeling</i> , 0, , 365-393.	0.3	33
74	Elevated temperature intensity, timing, and duration of exposure affect soybean internode elongation, mainstem node number, and pod number per plant. <i>Crop Journal</i> , 2018, 6, 148-161.	5.2	33
75	Direct effects of atmospheric carbon dioxide concentration on whole canopy dark respiration of rice. <i>Global Change Biology</i> , 2000, 6, 275-286.	9.5	32
76	Adapting the CROPGRO Model to Simulate Alfalfa Growth and Yield. <i>Agronomy Journal</i> , 2018, 110, 1777-1790.	1.8	31
77	DSSAT Nitrogen Cycle Simulation of Cover Cropâ€œMaize Rotations under Irrigated Mediterranean Conditions. <i>Agronomy Journal</i> , 2014, 106, 1283-1296.	1.8	29
78	Characterizing agricultural impacts of recent large-scale US droughts and changing technology and management. <i>Agricultural Systems</i> , 2018, 159, 275-281.	6.1	26
79	Predicting Growth of <i>Panicum maximum</i> : An Adaptation of the CROPGROâ€œPerennial Forage Model. <i>Agronomy Journal</i> , 2012, 104, 600-611.	1.8	25
80	A Predictive Model for Time-to-Flowering in the Common Bean Based on QTL and Environmental Variables. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3901-3912.	1.8	25
81	Are soybean models ready for climate change food impact assessments?. <i>European Journal of Agronomy</i> , 2022, 135, 126482.	4.1	25
82	Testing Effects of Climate Change in Crop Models. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2010, , 109-129.	0.4	24
83	Simulating forage production of Marandu palisade grass (<i>Brachiaria brizantha</i>) with the CROPGRO-Perennial Forage model. <i>Crop and Pasture Science</i> , 2014, 65, 1335.	1.5	24
84	A dynamic model with QTL covariables for predicting flowering time of common bean (<i>Phaseolus</i>) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50	4.1	23
85	Nonstructural carbohydrates of soybean plants grown in subambient and superambient levels of CO ₂ . <i>Photosynthesis Research</i> , 1998, 56, 143-155.	2.9	22
86	Sensitivity of Maize Yield in Smallholder Systems to Climate Scenarios in Semi-Arid Regions of West Africa: Accounting for Variability in Farm Management Practices. <i>Agronomy</i> , 2019, 9, 639.	3.0	22
87	The Scientific Grand Challenges of the 21st Century for the Crop Science Society of America. <i>Crop Science</i> , 2012, 52, 1003-1010.	1.8	21
88	Alternative plants for development of pictureâ€œwinged fly pests of maize. <i>Entomologia Experimentalis Et Applicata</i> , 2012, 143, 177-184.	1.4	20
89	AgMIP's Transdisciplinary Agricultural Systems Approach to Regional Integrated Assessment of Climate Impacts, Vulnerability, and Adaptation. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2015, , 27-44.	0.4	20
90	A Stochastic Method for Crop Models: Including Uncertainty in a Sugarcane Model. <i>Agronomy Journal</i> , 2017, 109, 483-495.	1.8	20

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91	Adapting the CROPGRO Model to Simulate Growth and Yield of Spring Safflower in Semiarid Conditions. <i>Agronomy Journal</i> , 2016, 108, 64-72.	1.8	19
92	From flower to seed: identifying phenological markers and reliable growth functions to model reproductive development in the common bean (<i>Phaseolus vulgaris</i>). <i>Plant, Cell and Environment</i> , 2013, 36, 2046-2058.	5.7	18
93	A taxonomy-based approach to shed light on the babel of mathematical models for rice simulation. <i>Environmental Modelling and Software</i> , 2016, 85, 332-341.	4.5	18
94	New Report of <i>Chaetopsis massyla</i> (Diptera: Ulidiidae) as a Primary Pest of Corn in Florida. <i>Florida Entomologist</i> , 2010, 93, 198-202.	0.5	17
95	Estimating water balance, evapotranspiration and water use efficiency of spring safflower using the CROPGRO model. <i>Agricultural Water Management</i> , 2017, 185, 137-144.	5.6	17
96	Simulating alfalfa regrowth and biomass in eastern Canada using the CSM-CROPGRO-perennial forage model. <i>European Journal of Agronomy</i> , 2020, 113, 125971.	4.1	17
97	Carbon dioxide and temperature effects on forage establishment: tissue composition and nutritive value. <i>Global Change Biology</i> , 1999, 5, 743-753.	9.5	16
98	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. <i>Agronomy Journal</i> , 2002, 94, 743.	1.8	16
99	Distribution of Picture-Winged Flies (Diptera: Ulidiidae) Infesting Corn in Florida. <i>Florida Entomologist</i> , 2011, 94, 35-47.	0.5	16
100	Adapting the CSM-CROPGRO model for pigeonpea using sequential parameter estimation. <i>Field Crops Research</i> , 2015, 181, 1-15.	5.1	16
101	Regression-Based Evaluation of Ecophysiological Models. <i>Agronomy Journal</i> , 2007, 99, 419-427.	1.8	15
102	Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. <i>Agronomy Journal</i> , 2008, 100, 296.	1.8	15
103	Evaluating the fidelity of downscaled climate data on simulated wheat and maize production in the southeastern US. <i>Regional Environmental Change</i> , 2013, 13, 101-110.	2.9	15
104	Growth stages and developmental patterns of guar. <i>Agronomy Journal</i> , 2020, 112, 4990-5001.	1.8	14
105	<i>Brassica carinata</i> biomass, yield, and seed chemical composition response to nitrogen rates and timing on southern Coastal Plain soils in the United States. <i>GCB Bioenergy</i> , 2021, 13, 1275-1289.	5.6	14
106	Energy balance in the DSSAT-CSM-CROPGRO model. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108241.	4.8	13
107	Adapting the CROPGRO model to simulate growth and production of <i>Brassica carinata</i> , a biofuel crop. <i>GCB Bioenergy</i> , 2021, 13, 1134-1148.	5.6	13
108	Nitrogen Fertilization Affects Bahiagrass Responses to Elevated Atmospheric Carbon Dioxide. <i>Agronomy Journal</i> , 2006, 98, 382-387.	1.8	12

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109	Remotely sensed vegetation index and LAI for parameter determination of the CSM-CROPGRO-Soybean model when in situ data are not available. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 79, 110-115.	2.8	12
110	<i>Brassica carinata</i> as an off-season crop in the southeastern USA: Determining optimum sowing dates based on climate risks and potential effects on summer crop yield. <i>Agricultural Systems</i> , 2022, 196, 103344.	6.1	12
111	Sentinel Site Data for Crop Model Improvement-Definition and Characterization. <i>Advances in Agricultural Systems Modeling</i> , 0, , 125-158.	0.3	11
112	Fodder development in sub-Saharan Africa: An introduction. <i>Agronomy Journal</i> , 2022, 114, 1-7.	1.8	11
113	Soil Organic Carbon and Nitrogen Accumulation in Plots of Rhizoma Perennial Peanut and Bahiagrass Grown in Elevated Carbon Dioxide and Temperature. <i>Journal of Environmental Quality</i> , 2006, 35, 1405-1412.	2.0	10
114	Response of bahiagrass carbon assimilation and photosystem activity to below optimum temperatures. <i>Functional Plant Biology</i> , 2008, 35, 1243.	2.1	10
115	Reliability of Genotype-Specific Parameter Estimation for Crop Models: Insights from a Markov Chain Monte-Carlo Estimation Approach. <i>Transactions of the ASABE</i> , 2017, 60, 1699-1712.	1.1	10
116	Fodder biomass, nutritive value, and grain yield of dual-purpose improved cereal crops in Burkina Faso. <i>Agronomy Journal</i> , 2022, 114, 115-125.	1.8	10
117	Modeling Yield, Biogenic Emissions, and Carbon Sequestration in Southeastern Cropping Systems With Winter <i>Carinata</i> . <i>Frontiers in Energy Research</i> , 2022, 10, .	2.3	9
118	Chemical Characterization of a Shriveled Seed Trait in Peanut. <i>Crop Science</i> , 1997, 37, 1560-1567.	1.8	8
119	Simulating Growth and Development Processes of Quinoa (<i>Chenopodium quinoa</i> Willd.): Adaptation and Evaluation of the CSM-CROPGRO Model. <i>Agronomy</i> , 2019, 9, 832.	3.0	8
120	Physiological analysis of growth and development of winter <i>carinata</i> (<i>Brassica carinata</i> A.) Tj ETQq0 0 0 rgBT_/_Overlock 10 Tf 50 3	5.6	8
121	Incorporating a dynamic gene-based process module into a crop simulation model. <i>In Silico Plants</i> , 2021, 3, .	1.9	8
122	A trait-based model ensemble approach to design rice plant types for future climate. <i>Global Change Biology</i> , 2022, 28, 2689-2710.	9.5	8
123	Temperature and Photoperiod Effects on <i>Vicia faba</i> Phenology Simulated by CROPGRO-Fababean. <i>Agronomy Journal</i> , 2011, 103, 1036-1050.	1.8	7
124	Photosynthetic Consequences of Late Leaf Spot Differ between Two Peanut Cultivars with Variable Levels of Resistance. <i>Crop Science</i> , 2011, 51, 2741-2748.	1.8	7
125	Yield Improvement and Genotype × Environment Analyses of Peanut Cultivars in Multilocation Trials in West Africa. <i>Crop Science</i> , 2014, 54, 2413-2422.	1.8	7
126	Development of a QTL-environment-based predictive model for node addition rate in common bean. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1065-1079.	3.6	7

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127	Modeling the Effects of Genotypic and Environmental Variation on Maize Phenology: The Phenology Subroutine of the AgMaize Crop Model. <i>Agronomy</i> , 0, , 173-200.	0.2	7
128	Cultivar Coefficient Estimator for the Cropping System Model Based on Time-Series Data: A Case Study for Soybean. <i>Transactions of the ASABE</i> , 2021, 64, 1391-1402.	1.1	7
129	Estimating the potential impact of climate change on sunflower yield in the Konya province of Turkey. <i>Journal of Agricultural Science</i> , 2020, 158, 806-818.	1.3	7
130	Using the CSMâ€CROPGROâ€Peanut Model to Simulate Late Leaf Spot Effects on Peanut Cultivars of Differing Resistance. <i>Agronomy Journal</i> , 2013, 105, 1307-1316.	1.8	6
131	Developmental Studies of Maize-Infesting Picture-Winged Flies (Diptera: Ulidiidae). <i>Environmental Entomology</i> , 2017, 46, 946-953.	1.4	6
132	Simulated Optimum Sowing Date for Forage Pearl Millet Cultivars in Multilocation Trials in Brazilian Semi-Arid Region. <i>Frontiers in Plant Science</i> , 2017, 8, 2074.	3.6	6
133	Simulation of productivity and soil moisture under Marandu palisade grass using the CSM-CROPGRO-Perennial Forage model. <i>Crop and Pasture Science</i> , 2019, 70, 159.	1.5	6
134	Yield Response of an Ensemble of Potato Crop Models to Elevated CO2 in Continental Europe. <i>European Journal of Agronomy</i> , 2021, 126, 126265.	4.1	6
135	Modeling Nitrogen Fixation and Its Relationship to Nitrogen Uptake in the CROPGRO Model. , 2008, , 13-46.		6
136	Integration of Genomics with Crop Modeling for Predicting Rice Days to Flowering: A Multi-Model Analysis. <i>Field Crops Research</i> , 2022, 276, 108394.	5.1	6
137	Crop Diseases and Climate Change in the AgMIP Framework. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2015, , 297-330.	0.4	5
138	Performance of the CSM-CROPGRO-soybean in simulating soybean growth and development and the soil water balance for a tropical environment. <i>Agricultural Water Management</i> , 2021, 252, 106929.	5.6	5
139	Assessment of soybean yield variability in the Southeastern US with the calibration of genetic coefficients from variety trials using CROPGROâ€Soybean. <i>Agronomy Journal</i> , 0, , .	1.8	5
140	Genetic Improvement of Peanut Cultivars for West Africa Evaluated with the CSMâ€CROPGROâ€Peanut Model. <i>Agronomy Journal</i> , 2015, 107, 2213-2229.	1.8	4
141	Cropping Systems Modeling in AgMIP: A New Protocol-Driven Approach for Regional Integrated Assessments. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2015, , 79-99.	0.4	4
142	Peanut (<i>Arachis hypogaea</i>) response to weed and disease management in northern Ghana. <i>International Journal of Pest Management</i> , 2018, 64, 204-209.	1.8	4
143	Deriving genetic coefficients from variety trials to determine sorghum hybrid performance using the CSMâ€CERESâ€Sorghum model. <i>Agronomy Journal</i> , 2021, 113, 2591-2606.	1.8	4
144	Shade and nitrogen fertilization affect forage accumulation and nutritive value of C4 grasses differing in growth habit. <i>Crop Science</i> , 2022, 62, 512-523.	1.8	4

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145	Minimizing Aflatoxin Contamination in the Field, During Drying, and in Storage in Ghana. Peanut Science, 2020, 47, 72-80.	0.1	4
146	Use of Crop Models for Climate-Agricultural Decisions. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2010, , 131-157.	0.4	3
147	Evaluating Improved Management Practices to Minimize Aflatoxin Contamination in the Field, During Drying, and in Storage in Ghana. Peanut Science, 2020, ,	0.1	3
148	Herbage accumulation and nutritive value of cultivar Mulato II, Congo grass, and Guinea grass cultivar C1 in a subhumid zone of West Africa. Agronomy Journal, 2022, 114, 138-147.	1.8	3
149	Predicting soybean evapotranspiration and crop water productivity for a tropical environment using the CSM-CROPGRO-Soybean model. Agricultural and Forest Meteorology, 2022, 323, 109075.	4.8	3
150	Building Capacity for Modeling in Africa. , 2012, , 1-7.		2
151	Modifying the CROPGRO Safflower Model to Simulate Growth, Seed and Floret Yield under Field Conditions in Southwestern Germany. Agronomy, 2020, 10, 11.	3.0	2
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