Kenneth Boote

List of Publications by Year
in descending order

157 papers	10,853 citations	44042 48 h-index	33869 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.	3.3	1,649
2	Global climate change and US agriculture. Nature, 1990, 345, 219-224.	13.7	616
3	How do various maize crop models vary in their responses to climate change factors?. Global Change Biology, 2014, 20, 2301-2320.	4.2	525
4	Potential Uses and Limitations of Crop Models. Agronomy Journal, 1996, 88, 704-716.	0.9	432
5	Brief history of agricultural systems modeling. Agricultural Systems, 2017, 155, 240-254.	3.2	403
6	Multimodel ensembles of wheat growth: many models are better than one. Global Change Biology, 2015, 21, 911-925.	4.2	387
7	Adverse high temperature effects on pollen viability, seed-set, seed yield and harvest index of grain-sorghum [Sorghum bicolor (L.) Moench] are more severe at elevated carbon dioxide due to higher tissue temperatures. Agricultural and Forest Meteorology, 2006, 139, 237-251.	1.9	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.	4.2	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.	3.2	261
10	Crop response to elevated CO2 and world food supply. European Journal of Agronomy, 2007, 26, 215-223.	1.9	244
11	Effects of elevated temperature and carbon dioxide on seed-set and yield of kidney bean (Phaseolus) Tj ETQq1 1 0.784314 rgBT /Over	4.2	237
12	Regional disparities in the beneficial effects of rising CO2 concentrations on crop waterÂproductivity. Nature Climate Change, 2016, 6, 786-790.	8.1	190
13	Super-optimal temperatures are detrimental to peanut (Arachis hypogaea L.) reproductive processes and yield at both ambient and elevated carbon dioxide. Global Change Biology, 2003, 9, 1775-1787.	4.2	179
14	Putting mechanisms into crop production models. Plant, Cell and Environment, 2013, 36, 1658-1672.	2.8	159
15	Effects of season-long high temperature growth conditions on sugar-to-starch metabolism in developing microspores of grain sorghum (Sorghum bicolor L. Moench). Planta, 2007, 227, 67-79.	1.6	157
16	The DSSAT crop modeling ecosystem. Burleigh Dodds Series in Agricultural Science, 2019, , 173-216.	0.1	147
17	Elevated Temperature and CO₂ Impacts on Pollination, Reproductive Growth, and Yield of Several Globally Important Crops. J Agricultural Meteorology, 2005, 60, 469-474.	0.8	131
18	Elevated CO2 increases water use efficiency by sustaining photosynthesis of water-limited maize and sorghum. Journal of Plant Physiology, 2011, 168, 1909-1918.	1.6	118

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19	Analysis and classification of data sets for calibration and validation of agro-ecosystem models. Environmental Modelling and Software, 2015, 72, 402-417.	1.9	112
20	Testing and Improving Evapotranspiration and Soil Water Balance of the DSSAT Crop Models. Agronomy Journal, 2004, 96, 1243-1257.	0.9	101
21	Parameter Estimation for Predicting Flowering Date of Soybean Cultivars. Crop Science, 1993, 33, 137-144.	0.8	94
22	Influence of Growth Temperature on the Amounts of Tocopherols, Tocotrienols, and Î³-Oryzanol in Brown Rice. Journal of Agricultural and Food Chemistry, 2007, 55, 7559-7565.	2.4	93
23	Maize systems under climate change in sub-Saharan Africa. International Journal of Climate Change Strategies and Management, 2015, 7, 247-271.	1.5	91
24	Growth and Canopy Characteristics of Fieldâ€Grown Tomato. Agronomy Journal, 2000, 92, 152-159.	0.9	90
25	A potato model intercomparison across varying climates and productivity levels. Global Change Biology, 2017, 23, 1258-1281.	4.2	90
26	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. Agronomy Journal, 2002, 94, 743-756.	0.9	88
27	Comparison of Two Phenology Models for Predicting Flowering and Maturity Date of Soybean. Crop Science, 1996, 36, 1606-1614.	0.8	86
28	Inter-comparison of performance of soybean crop simulation models and their ensemble in southern Brazil. Field Crops Research, 2017, 200, 28-37.	2.3	82
29	Soybean photosynthesis, Rubisco, and carbohydrate enzymes function at supraoptimal temperatures in elevated CO2. Journal of Plant Physiology, 2001, 158, 295-307.	1.6	81
30	Nitrogen Stress Effects on Growth and Nitrogen Accumulation by Fieldâ€Grown Tomato. Agronomy Journal, 2000, 92, 159-167.	0.9	80
31	Integrated description of agricultural field experiments and production: The ICASA Version 2.0 data standards. Computers and Electronics in Agriculture, 2013, 96, 1-12.	3.7	80
32	Impacts of 1.5 versus 2.0â€‰Â°C on cereal yields in the West African Sudan Savanna. Environmental Research Letters, 2018, 13, 034014.	2.2	70
33	How accurately do maize crop models simulate the interactions of atmospheric CO2 concentration levels with limited water supply on water use and yield?. European Journal of Agronomy, 2018, 100, 67-75.	1.9	68
34	Potential benefits of drought and heat tolerance for adapting maize to climate change in tropical environments. Climate Risk Management, 2018, 19, 106-119.	1.5	68
35	A SIMPLE crop model. European Journal of Agronomy, 2019, 104, 97-106.	1.9	67
36	Narrowing uncertainties in the effects of elevated CO2 on crops. Nature Food, 2020, 1, 775-782.	6.2	67

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37	BEANGRO: A Processâ€Oriented Dry Bean Model with a Versatile User Interface. Agronomy Journal, 1994, 86, 182-190.	0.9	65
38	Modeling the Occurrence of Reproductive Stages after Flowering for Four Soybean Cultivars. Agronomy Journal, 1994, 86, 31-38.	0.9	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 (Sorghum bicolor). Journal of Plant Physiology, 2010, 167, 578-582.	1.6	65
40	Simulation of maize evapotranspiration: An inter-comparison among 29 maize models. Agricultural and Forest Meteorology, 2019, 271, 264-284.	1.9	62
41	Modelling climate change impacts on maize yields under low nitrogen input conditions in subâ€Saharan Africa. Global Change Biology, 2020, 26, 5942-5964.	4.2	60
42	A Peanut Simulation Model: I. Model Development and Testing. Agronomy Journal, 1995, 87, 1085-1093.	0.9	59
43	Changes in Growth CO2 Result in Rapid Adjustments of Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Small Subunit Gene Expression in Expanding and Mature Leaves of Rice. Plant Physiology, 1998, 118, 521-529.	2.3	55
44	Improving adoption of technologies and interventions for increasing supply of quality livestock feed in low- and middle-income countries. Global Food Security, 2020, 26, 100372.	4.0	55
45	An AgMIP framework for improved agricultural representation in integrated assessment models. Environmental Research Letters, 2017, 12, 125003.	2.2	54
46	Rice responses to drought under carbon dioxide enrichment. 2. Photosynthesis and evapotranspiration. Global Change Biology, 1997, 3, 129-138.	4.2	53
47	Accounting for both parameter and model structure uncertainty in crop model predictions of phenology: A case study on rice. European Journal of Agronomy, 2017, 88, 53-62.	1.9	53
48	Rice responses to drought under carbon dioxide enrichment. 1. Growth and yield. Global Change Biology, 1997, 3, 119-128.	4.2	51
49	Elevated CO2 and water deficit effects on photosynthesis, ribulose bisphosphate carboxylase-oxygenase, and carbohydrate metabolism in rice. Physiologia Plantarum, 1998, 103, 327-339.	2.6	51
50	Drought impact on rainfed common bean production areas in Brazil. Agricultural and Forest Meteorology, 2016, 225, 57-74.	1.9	51
51	Multi-wheat-model ensemble responses to interannual climate variability. Environmental Modelling and Software, 2016, 81, 86-101.	1.9	50
52	Adaptation strategies for maize production under climate change for semi-arid environments. European Journal of Agronomy, 2020, 115, 126040.	1.9	49
53	Elevated growth CO2 delays drought stress and accelerates recovery of rice leaf photosynthesis. Environmental and Experimental Botany, 2003, 49, 259-272.	2.0	48
54	Solar ultraviolet radiation exclusion increases soybean internode lengths and plant height. Agricultural and Forest Meteorology, 2014, 184, 170-178.	1.9	48

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55	Testing CERES-Maize versions to estimate maize production in a cool environment. European Journal of Agronomy, 2005, 23, 89-102.	1.9	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. Functional Plant Biology, 2009, 36, 761.	1.1	47
57	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO2. Field Crops Research, 2016, 198, 80-92.	2.3	47
58	Evaluation and improvement of CROPGRO-soybean model for a cool environment in Galicia, northwest Spain. Field Crops Research, 1999, 61, 273-291.	2.3	46
59	Adapting the CROPGRO perennial forage model to predict growth of Brachiaria brizantha. Field Crops Research, 2011, 120, 370-379.	2.3	46
60	Harmonization and translation of crop modeling data to ensure interoperability. Environmental Modelling and Software, 2014, 62, 495-508.	1.9	45
61	Assessment of soybean yield with altered water-related genetic improvement traits under climate change in Southern Brazil. European Journal of Agronomy, 2017, 83, 1-14.	1.9	45
62	Improving the CROPGRO-Tomato Model for Predicting Growth and Yield Response to Temperature. Hortscience: A Publication of the American Society for Hortcultural Science, 2012, 47, 1038-1049.	0.5	44
63	Base temperature determination of tropical Panicum spp. grasses and its effects on degree-day-based models. Agricultural and Forest Meteorology, 2014, 186, 26-33.	1.9	42
64	Causes of variation among rice models in yield response to CO2 examined with Free-Air CO2 Enrichment and growth chamber experiments. Scientific Reports, 2017, 7, 14858.	1.6	41
65	Improving the CERESâ€Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. Agronomy Journal, 2008, 100, 296-307.	0.9	39
66	Yieldâ€Determining Processes in Relation to Cultivar Seed Size of Common Bean. Crop Science, 1994, 34, 84-91.	0.8	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. Plant Science, 2004, 166, 1565-1573.	1.7	37
68	Estimation of Nitrogen Pools in Irrigated Potato Production on Sandy Soil Using the Model SUBSTOR. PLoS ONE, 2015, 10, e0117891.	1.1	37
69	<i>Brassica carinata</i>: Biology and agronomy as a biofuel crop. GCB Bioenergy, 2021, 13, 582-599.	2.5	37
70	Late Leaf Spot Effects on Growth, Photosynthesis, and Yield in Peanut Cultivars of Differing Resistance. Agronomy Journal, 2011, 103, 85-91.	0.9	35
71	Leaf photosynthesis and carbohydrates of CO2-enriched maize and grain sorghum exposed to a short period of soil water deficit during vegetative development. Journal of Plant Physiology, 2011, 168, 2169-2176.	1.6	34
72	Position Statement on Crop Adaptation to Climate Change. Crop Science, 2011, 51, 2337-2343.	0.8	33

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73	Estimating DSSAT Cropping System Cultivar-Specific Parameters Using Bayesian Techniques. Advances in Agricultural Systems Modeling, 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. Crop Journal, 2018, 6, 148-161.	2.3	33
75	Direct effects of atmospheric carbon dioxide concentration on whole canopy dark respiration of rice. Global Change Biology, 2000, 6, 275-286.	4.2	32
76	Adapting the CROPGRO Model to Simulate Alfalfa Growth and Yield. Agronomy Journal, 2018, 110, 1777-1790.	0.9	31
77	DSSAT Nitrogen Cycle Simulation of Cover Cropâ€"Maize Rotations under Irrigated Mediterranean Conditions. Agronomy Journal, 2014, 106, 1283-1296.	0.9	29
78	Characterizing agricultural impacts of recent large-scale US droughts and changing technology and management. Agricultural Systems, 2018, 159, 275-281.	3.2	26
79	Predicting Growth of <i>Panicum maximum</i>: An Adaptation of the CROPGROâ€"Perennial Forage Model. Agronomy Journal, 2012, 104, 600-611.	0.9	25
80	A Predictive Model for Time-to-Flowering in the Common Bean Based on QTL and Environmental Variables. G3: Genes, Genomes, Genetics, 2017, 7, 3901-3912.	0.8	25
81	Are soybean models ready for climate change food impact assessments?. European Journal of Agronomy, 2022, 135, 126482.	1.9	25
82	Testing Effects of Climate Change in Crop Models. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2010, , 109-129.	0.4	24
83	Simulating forage production of Marandu palisade grass (Brachiaria brizantha) with the CROPGRO-Perennial Forage model. Crop and Pasture Science, 2014, 65, 1335.	0.7	24
84	A dynamic model with QTL covariables for predicting flowering time of common bean (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	23
85	Nonstructural carbohydrates of soybean plants grown in subambient and superambient levels of CO_2. Photosynthesis Research, 1998, 56, 143-155.	1.6	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. Agronomy, 2019, 9, 639.	1.3	22
87	The Scientific Grand Challenges of the 21st Century for the Crop Science Society of America. Crop Science, 2012, 52, 1003-1010.	0.8	21
88	Alternative plants for development of pictureâ€winged fly pests of maize. Entomologia Experimentalis Et Applicata, 2012, 143, 177-184.	0.7	20
89	AgMIP's Transdisciplinary Agricultural Systems Approach to Regional Integrated Assessment of Climate Impacts, Vulnerability, and Adaptation. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2015, , 27-44.	0.4	20
90	A Stochastic Method for Crop Models: Including Uncertainty in a Sugarcane Model. Agronomy Journal, 2017, 109, 483-495.	0.9	20

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91	Adapting the CROPGRO Model to Simulate Growth and Yield of Spring Safflower in Semiarid Conditions. Agronomy Journal, 2016, 108, 64-72.	0.9	19
92	From flower to seed: identifying phenological markers and reliable growth functions to model reproductive development in the common bean (<i><scp>P</scp>haseolus vulgaris <scp>L</scp>.</i>). Plant, Cell and Environment, 2013, 36, 2046-2058.	2.8	18
93	A taxonomy-based approach to shed light on the babel of mathematical models for rice simulation. Environmental Modelling and Software, 2016, 85, 332-341.	1.9	18
94	New Report of<i>Chaetopsis massyla</i>(Diptera: Ulidiidae) as a Primary Pest of Corn in Florida. Florida Entomologist, 2010, 93, 198-202.	0.2	17
95	Estimating water balance, evapotranspiration and water use efficiency of spring safflower using the CROPGRO model. Agricultural Water Management, 2017, 185, 137-144.	2.4	17
96	Simulating alfalfa regrowth and biomass in eastern Canada using the CSM-CROPGRO-perennial forage model. European Journal of Agronomy, 2020, 113, 125971.	1.9	17
97	Carbon dioxide and temperature effects on forage establishment: tissue composition and nutritive value. Global Change Biology, 1999, 5, 743-753.	4.2	16
98	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. Agronomy Journal, 2002, 94, 743.	0.9	16
99	Distribution of Picture-Winged Flies (Diptera: Ulidiidae) Infesting Corn in Florida. Florida Entomologist, 2011, 94, 35-47.	0.2	16
100	Adapting the CSM-CROPGRO model for pigeonpea using sequential parameter estimation. Field Crops Research, 2015, 181, 1-15.	2.3	16
101	Regression-Based Evaluation of Ecophysiological Models. Agronomy Journal, 2007, 99, 419-427.	0.9	15
102	Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. Agronomy Journal, 2008, 100, 296.	0.9	15
103	Evaluating the fidelity of downscaled climate data on simulated wheat and maize production in the southeastern US. Regional Environmental Change, 2013, 13, 101-110.	1.4	15
104	Growth stages and developmental patterns of guar. Agronomy Journal, 2020, 112, 4990-5001.	0.9	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. GCB Bioenergy, 2021, 13, 1275-1289.	2.5	14
106	Energy balance in the DSSAT-CSM-CROPGRO model. Agricultural and Forest Meteorology, 2021, 297, 108241.	1.9	13
107	Adapting the CROPGRO model to simulate growth and production of Brassica carinata , a bioâ€fuel crop. GCB Bioenergy, 2021, 13, 1134-1148.	2.5	13
108	Nitrogen Fertilization Affects Bahiagrass Responses to Elevated Atmospheric Carbon Dioxide. Agronomy Journal, 2006, 98, 382-387.	0.9	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. International Journal of Applied Earth Observation and Geoinformation, 2019, 79, 110-115.	1.4	12
110	Brassica carinata as an off-season crop in the southeastern USA: Determining optimum sowing dates based on climate risks and potential effects on summer crop yield. Agricultural Systems, 2022, 196, 103344.	3.2	12
111	Sentinel Site Data for Crop Model Improvement-Definition and Characterization. Advances in Agricultural Systems Modeling, 0, , 125-158.	0.3	11
112	Fodder development in subâ€Saharan Africa: An introduction. Agronomy Journal, 2022, 114, 1-7.	0.9	11
113	Soil Organic Carbon and Nitrogen Accumulation in Plots of Rhizoma Perennial Peanut and Bahiagrass Grown in Elevated Carbon Dioxide and Temperature. Journal of Environmental Quality, 2006, 35, 1405-1412.	1.0	10
114	Response of bahiagrass carbon assimilation and photosystem activity to below optimum temperatures. Functional Plant Biology, 2008, 35, 1243.	1.1	10
115	Reliability of Genotype-Specific Parameter Estimation for Crop Models: Insights from a Markov Chain Monte-Carlo Estimation Approach. Transactions of the ASABE, 2017, 60, 1699-1712.	1.1	10
116	Fodder biomass, nutritive value, and grain yield of dualâ€purpose improved cereal crops in Burkina Faso. Agronomy Journal, 2022, 114, 115-125.	0.9	10
117	Modeling Yield, Biogenic Emissions, and Carbon Sequestration in Southeastern Cropping Systems With Winter Carinata. Frontiers in Energy Research, 2022, 10, .	1.2	9
118	Chemical Characterization of a Shriveled Seed Trait in Peanut. Crop Science, 1997, 37, 1560-1567.	0.8	8
119	Simulating Growth and Development Processes of Quinoa (Chenopodium quinoa Willd.): Adaptation and Evaluation of the CSM-CROPGRO Model. Agronomy, 2019, 9, 832.	1.3	8
120	Physiological analysis of growth and development of winter carinata (<i>Brassica carinata</i> A.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.5	8
121	Incorporating a dynamic gene-based process module into a crop simulation model. In Silico Plants, 2021, 3, .	0.8	8
122	A traitâ€based model ensemble approach to design rice plant types for future climate. Global Change Biology, 2022, 28, 2689-2710.	4.2	8
123	Temperature and Photoperiod Effects on <i>Vicia faba</i> Phenology Simulated by CROPGROâ€Fababean. Agronomy Journal, 2011, 103, 1036-1050.	0.9	7
124	Photosynthetic Consequences of Late Leaf Spot Differ between Two Peanut Cultivars with Variable Levels of Resistance. Crop Science, 2011, 51, 2741-2748.	0.8	7
125	Yield Improvement and Genotype Ã— Environment Analyses of Peanut Cultivars in Multilocation Trials in West Africa. Crop Science, 2014, 54, 2413-2422.	0.8	7
126	Development of a QTL-environment-based predictive model for node addition rate in common bean. Theoretical and Applied Genetics, 2017, 130, 1065-1079.	1.8	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. Agronomy, 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. Transactions of the ASABE, 2021, 64, 1391-1402.	1.1	7
129	Estimating the potential impact of climate change on sunflower yield in the Konya province of Turkey. Journal of Agricultural Science, 2020, 158, 806-818.	0.6	7
130	Using the CSMâ€CROPGROâ€Peanut Model to Simulate Late Leaf Spot Effects on Peanut Cultivars of Differing Resistance. Agronomy Journal, 2013, 105, 1307-1316.	0.9	6
131	Developmental Studies of Maize-Infesting Picture-Winged Flies (Diptera: Ulidiidae). Environmental Entomology, 2017, 46, 946-953.	0.7	6
132	Simulated Optimum Sowing Date for Forage Pearl Millet Cultivars in Multilocation Trials in Brazilian Semi-Arid Region. Frontiers in Plant Science, 2017, 8, 2074.	1.7	6
133	Simulation of productivity and soil moisture under Marandu palisade grass using the CSM-CROPGRO-Perennial Forage model. Crop and Pasture Science, 2019, 70, 159.	0.7	6
134	Yield Response of an Ensemble of Potato Crop Models to Elevated CO2 in Continental Europe. European Journal of Agronomy, 2021, 126, 126265.	1.9	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. Field Crops Research, 2022, 276, 108394.	2.3	6
137	Crop Diseases and Climate Change in the AgMIP Framework. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 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. Agricultural Water Management, 2021, 252, 106929.	2.4	5
139	Assessment of soybean yield variability in the Southeastern US with the calibration of genetic coefficients from variety trials using CROPGROâ€Soybean. Agronomy Journal, 0, , .	0.9	5
140	Genetic Improvement of Peanut Cultivars for West Africa Evaluated with the CSMâ€CROPGROâ€Peanut Model. Agronomy Journal, 2015, 107, 2213-2229.	0.9	4
141	Cropping Systems Modeling in AgMIP: A New Protocol-Driven Approach for Regional Integrated Assessments. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2015, , 79-99.	0.4	4
142	Peanut (<i>Arachis hypogaea</i>) response to weed and disease management in northern Ghana. International Journal of Pest Management, 2018, 64, 204-209.	0.9	4
143	Deriving genetic coefficients from variety trials to determine sorghum hybrid performance using the CSMâ€“CERESâ€“Sorghum model. Agronomy Journal, 2021, 113, 2591-2606.	0.9	4
144	Shade and nitrogen fertilization affect forage accumulation and nutritive value of C4 grasses differing in growth habit. Crop Science, 2022, 62, 512-523.	0.8	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.	0.2	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, , .	0.2	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.	0.9	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.	1.9	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.	1.3	2
152	Physiological responses and forage accumulation of Marandu palisadegrass and MombaÃ§a guineagrass to nitrogen fertilizer in the Brazilian forageâ€based systems. Grassland Science, 2021, 67, 93-101.	0.6	2
153	Crop Modeling Approaches for Predicting Phenotype of Grain Legumes with Linkage to Genetic Information. , 2016, , 163-192.		2
154	Testing Approaches and Components in Physiologically Based Crop Models for Sensitivity to Climatic Factors. Advances in Agricultural Systems Modeling, 0, , 1-31.	0.3	1
155	Adapting the CROPGRO model to simulate chia growth and yield. Agronomy Journal, 2020, 112, 3859-3877.	0.9	1
156	Improving the CROPGRO Perennial Forage Model for simulating growth and biomass partitioning of guineagrass. Agronomy Journal, 2021, 113, 3299-3314.	0.9	1
157	Adapting the CROPGROâ€faba bean model to simulate the growth and development of <i>Amaranthus</i> species. Agronomy Journal, 0, , .	0.9	1