Kenneth Boote

List of Publications by Citations

148 papers	8,025 citations	42 h-index	87 g-index
160 ext. papers	9,437 ext. citations	4.7 avg, IF	5.61 L-index

#	Paper	IF	Citations
148	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, 3268-73	11.5	1250
147	Global climate change and US agriculture. *Nature*, **1990**, 345, 219-224	50.4	521
146	How do various maize crop models vary in their responses to climate change factors?. *Global Change Biology*, **2014**, 20, 2301-20	11.4	407
145	Potential Uses and Limitations of Crop Models. *Agronomy Journal*, **1996**, 88, 704-716	2.2	352
144	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	5.8	297
143	Multimodel ensembles of wheat growth: many models are better than one. *Global Change Biology*, **2015**, 21, 911-25	11.4	292
142	Uncertainties in predicting rice yield by current crop models under a wide range of climatic conditions. *Global Change Biology*, **2015**, 21, 1328-41	11.4	260
141	Brief history of agricultural systems modeling. *Agricultural Systems*, **2017**, 155, 240-254	6.1	256
140	Crop response to elevated CO2 and world food supply: A comment on Food for Thought by Long et al., Science 312:1918–1921, 2006. *European Journal of Agronomy*, **2007**, 26, 215-223	5	218
139	Effects of elevated temperature and carbon dioxide on seed-set and yield of kidney bean (Phaseolus vulgaris L.). *Global Change Biology*, **2002**, 8, 710-721	11.4	202
138	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	188
137	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	11.4	152
136	Regional disparities in the beneficial effects of rising CO2 concentrations on crop water productivity. *Nature Climate Change*, **2016**, 6, 786-790	21.4	145
135	Putting mechanisms into crop production models. *Plant, Cell and Environment*, **2013**, 36, 1658-72	8.4	123
134	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	4.7	122
133	Elevated Temperature and CO2 Impacts on Pollination, Reproductive Growth, and Yield of Several Globally Important Crops. *J Agricultural Meteorology*, **2005**, 60, 469-474	1.1	96
132	Elevated CO2 increases water use efficiency by sustaining photosynthesis of water-limited maize and sorghum. *Journal of Plant Physiology*, **2011**, 168, 1909-18	3.6	91

131	Testing and Improving Evapotranspiration and Soil Water Balance of the DSSAT Crop Models. *Agronomy Journal*, **2004**, 96, 1243-1257	2.2	85
130	Analysis and classification of data sets for calibration and validation of agro-ecosystem models. *Environmental Modelling and Software*, **2015**, 72, 402-417	5.2	83
129	Parameter Estimation for Predicting Flowering Date of Soybean Cultivars. *Crop Science*, **1993**, 33, 137-144	2.4	79
128	Soybean photosynthesis, Rubisco, and carbohydrate enzymes function at supraoptimal temperatures in elevated CO2. *Journal of Plant Physiology*, **2001**, 158, 295-307	3.6	78
127	Growth and Canopy Characteristics of Field-Grown Tomato. *Agronomy Journal*, **2000**, 92, 152-159	2.2	75
126	Comparison of Two Phenology Models for Predicting Flowering and Maturity Date of Soybean. *Crop Science*, **1996**, 36, 1606-1614	2.4	73
125	Maize systems under climate change in sub-Saharan Africa. *International Journal of Climate Change Strategies and Management*, **2015**, 7, 247-271	3.9	69
124	Influence of growth temperature on the amounts of tocopherols, tocotrienols, and gamma-oryzanol in brown rice. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 7559-65	5.7	67
123	A potato model intercomparison across varying climates and productivity levels. *Global Change Biology*, **2017**, 23, 1258-1281	11.4	64
122	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. *Agronomy Journal*, **2002**, 94, 743-756	2.2	64
121	The DSSAT crop modeling ecosystem. *Burleigh Dodds Series in Agricultural Science*, **2019**, 173-216	2	61
120	Nitrogen Stress Effects on Growth and Nitrogen Accumulation by Field-Grown Tomato. *Agronomy Journal*, **2000**, 92, 159-167	2.2	60
119	Integrated description of agricultural field experiments and production: The ICASA Version 2.0 data standards. *Computers and Electronics in Agriculture*, **2013**, 96, 1-12	6.5	59
118	Inter-comparison of performance of soybean crop simulation models and their ensemble in southern Brazil. *Field Crops Research*, **2017**, 200, 28-37	5.5	59
117	Modeling the Occurrence of Reproductive Stages after Flowering for Four Soybean Cultivars. *Agronomy Journal*, **1994**, 86, 31-38	2.2	57
116	BEANGRO: A Process-Oriented Dry Bean Model with a Versatile User Interface. *Agronomy Journal*, **1994**, 86, 182-190	2.2	54
115	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, 578-82	3.6	52
114	Rice responses to drought under carbon dioxide enrichment. 2. Photosynthesis and evapotranspiration. *Global Change Biology*, **1997**, 3, 129-138	11.4	50

113	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, 521-9	6.6	50
112	A Peanut Simulation Model: I. Model Development and Testing. *Agronomy Journal*, **1995**, 87, 1085-1093	2.2	50
111	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	5	48
110	Rice responses to drought under carbon dioxide enrichment. 1. Growth and yield. *Global Change Biology*, **1997**, 3, 119-128	11.4	46
109	Impacts of 1.5 versus 2.0 ℃ on cereal yields in the West African Sudan Savanna. *Environmental Research Letters*, **2018**, 13, 034014	6.2	45
108	Elevated CO2 and water deficit effects on photosynthesis, ribulose bisphosphate carboxylase-oxygenase, and carbohydrate metabolism in rice. *Physiologia Plantarum*, **1998**, 103, 327-339	4.6	44
107	Testing CERES-Maize versions to estimate maize production in a cool environment. *European Journal of Agronomy*, **2005**, 23, 89-102	5	43
106	Elevated growth CO2 delays drought stress and accelerates recovery of rice leaf photosynthesis. *Environmental and Experimental Botany*, **2003**, 49, 259-272	5.9	41
105	Evaluation and improvement of CROPGRO-soybean model for a cool environment in Galicia, northwest Spain. *Field Crops Research*, **1999**, 61, 273-291	5.5	41
104	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. *Functional Plant Biology*, **2009**, 36, 761-769	2.7	40
103	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	5	38
102	Harmonization and translation of crop modeling data to ensure interoperability. *Environmental Modelling and Software*, **2014**, 62, 495-508	5.2	38
101	Adapting the CROPGRO perennial forage model to predict growth of Brachiaria brizantha. *Field Crops Research*, **2011**, 120, 370-379	5.5	38
100	Multi-wheat-model ensemble responses to interannual climate variability. *Environmental Modelling and Software*, **2016**, 81, 86-101	5.2	38
99	Potential benefits of drought and heat tolerance for adapting maize to climate change in tropical environments. *Climate Risk Management*, **2018**, 19, 106-119	4.6	37
98	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO2. *Field Crops Research*, **2016**, 198, 80-92	5.5	36
97	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	5.3	35
96	Solar ultraviolet radiation exclusion increases soybean internode lengths and plant height. *Agricultural and Forest Meteorology*, **2014**, 184, 170-178	5.8	34

95	Simulation of maize evapotranspiration: An inter-comparison among 29 maize models. *Agricultural and Forest Meteorology*, **2019**, 271, 264-284	5.8	33
94	An AgMIP framework for improved agricultural representation in IAMs. *Environmental Research Letters*, **2017**, 12,	6.2	33
93	A SIMPLE crop model. *European Journal of Agronomy*, **2019**, 104, 97-106	5	32
92	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	5	31
91	Base temperature determination of tropical Panicum spp. grasses and its effects on degree-day-based models. *Agricultural and Forest Meteorology*, **2014**, 186, 26-33	5.8	31
90	Yield-Determining Processes in Relation to Cultivar Seed Size of Common Bean. *Crop Science*, **1994**, 34, 84-91	2.4	30
89	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	2.4	30
88	Causes of variation among rice models in yield response to CO examined with Free-Air CO Enrichment and growth chamber experiments. *Scientific Reports*, **2017**, 7, 14858	4.9	29
87	Leaf photosynthesis and carbohydrates of CO□enriched maize and grain sorghum exposed to a short period of soil water deficit during vegetative development. *Journal of Plant Physiology*, **2011**, 168, 2169-76	3.6	28
86	Drought impact on rainfed common bean production areas in Brazil. *Agricultural and Forest Meteorology*, **2016**, 225, 57-74	5.8	25
85	Position Statement on Crop Adaptation to Climate Change. *Crop Science*, **2011**, 51, 2337-2343	2.4	24
84	Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. *Agronomy Journal*, **2008**, 100, 296-307	2.2	23
83	Adaptation strategies for maize production under climate change for semi-arid environments. *European Journal of Agronomy*, **2020**, 115, 126040	5	22
82	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	4.6	22
81	Predicting Growth of Panicum maximum: An Adaptation of the CROPGRO□Perennial Forage Model. *Agronomy Journal*, **2012**, 104, 600-611	2.2	22
80	Direct effects of atmospheric carbon dioxide concentration on whole canopy dark respiration of rice. *Global Change Biology*, **2000**, 6, 275-286	11.4	22
79	Narrowing uncertainties in the effects of elevated CO2 on crops. *Nature Food*, **2020**, 1, 775-782	14.4	22
78	Estimation of nitrogen pools in irrigated potato production on sandy soil using the model SUBSTOR. *PLoS ONE*, **2015**, 10, e0117891	3.7	21

77	DSSAT Nitrogen Cycle Simulation of Cover Crop–Maize Rotations under Irrigated Mediterranean Conditions. *Agronomy Journal*, **2014**, 106, 1283-1296	2.2	19
76	Simulating forage production of Marandu palisade grass (Brachiaria brizantha) with the CROPGRO-Perennial Forage model. *Crop and Pasture Science*, **2014**, 65, 1335	2.2	18
75	The Scientific Grand Challenges of the 21st Century for the Crop Science Society of America. *Crop Science*, **2012**, 52, 1003-1010	2.4	18
74	Improving Soybean Cultivars for Adaptation to Climate Change and Climate Variability **2011**, 370-395		18
73	Testing Effects of Climate Change in Crop Models. *ICP Series on Climate Change Impacts, Adaptation, and Mitigation*, **2010**, 109-129		18
72	Nonstructural carbohydrates of soybean plants grown in subambient and superambient levels of CO2. *Photosynthesis Research*, **1998**, 56, 143-155	3.7	18
71	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		17
70	Late Leaf Spot Effects on Growth, Photosynthesis, and Yield in Peanut Cultivars of Differing Resistance. *Agronomy Journal*, **2011**, 103, 85-91	2.2	17
69	Adapting the CROPGRO Model to Simulate Alfalfa Growth and Yield. *Agronomy Journal*, **2018**, 110, 1777-1790	2.2	17
68	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	3.2	16
67	Modelling climate change impacts on maize yields under low nitrogen input conditions in sub-Saharan Africa. *Global Change Biology*, **2020**, 26, 5942-5964	11.4	16
66	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. *Agronomy Journal*, **2002**, 94, 743	2.2	16
65	Adapting the CROPGRO Model to Simulate Growth and Yield of Spring Safflower in Semiarid Conditions. *Agronomy Journal*, **2016**, 108, 64-72	2.2	15
64	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	8.3	15
63	A taxonomy-based approach to shed light on the babel of mathematical models for rice simulation. *Environmental Modelling and Software*, **2016**, 85, 332-341	5.2	15
62	Alternative plants for development of picture-winged fly pests of maize. *Entomologia Experimentalis Et Applicata*, **2012**, 143, 177-184	2.1	15
61	Estimating DSSAT Cropping System Cultivar-Specific Parameters Using Bayesian Techniques. *Advances in Agricultural Systems Modeling*, **2015**, 365-393	0.3	15
60	Brassica carinata: Biology and agronomy as a biofuel crop. *GCB Bioenergy*, **2021**, 13, 582-599	5.6	15

59	Adapting the CSM-CROPGRO model for pigeonpea using sequential parameter estimation. *Field Crops Research*, **2015**, 181, 1-15	5.5	14
58	Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. *Agronomy Journal*, **2008**, 100, 296	2.2	14
57	Regression-Based Evaluation of Ecophysiological Models. *Agronomy Journal*, **2007**, 99, 419-427	2.2	14
56	Carbon dioxide and temperature effects on forage establishment: tissue composition and nutritive value. *Global Change Biology*, **1999**, 5, 743-753	11.4	14
55	Characterizing agricultural impacts of recent large-scale US droughts and changing technology and management. *Agricultural Systems*, **2018**, 159, 275-281	6.1	13
54	A Stochastic Method for Crop Models: Including Uncertainty in a Sugarcane Model. *Agronomy Journal*, **2017**, 109, 483-495	2.2	13
53	Evaluating the fidelity of downscaled climate data on simulated wheat and maize production in the southeastern US. *Regional Environmental Change*, **2013**, 13, 101-110	4.3	13
52	New Report ofChaetopsis massyla(Diptera: Ulidiidae) as a Primary Pest of Corn in Florida. *Florida Entomologist*, **2010**, 93, 198-202	1	12
51	A dynamic model with QTL covariables for predicting flowering time of common bean (Phaseolus vulgaris) genotypes. *European Journal of Agronomy*, **2018**, 101, 200-209	5	11
50	Estimating water balance, evapotranspiration and water use efficiency of spring safflower using the CROPGRO model. *Agricultural Water Management*, **2017**, 185, 137-144	5.9	10
49	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	7.3	10
48	Distribution of Picture-Winged Flies (Diptera: Ulidiidae) Infesting Corn in Florida. *Florida Entomologist*, **2011**, 94, 35-47	1	10
47	Nitrogen Fertilization Affects Bahiagrass Responses to Elevated Atmospheric Carbon Dioxide. *Agronomy Journal*, **2006**, 98, 382-387	2.2	10
46	Simulating alfalfa regrowth and biomass in eastern Canada using the CSM-CROPGRO-perennial forage model. *European Journal of Agronomy*, **2020**, 113, 125971	5	10
45	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	3.6	10
44	From flower to seed: identifying phenological markers and reliable growth functions to model reproductive development in the common bean (Phaseolus vulgaris L.). *Plant, Cell and Environment*, **2013**, 36, 2046-58	8.4	9
43	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, 1405-12	3.4	9
42	Chemical Characterization of a Shriveled Seed Trait in Peanut. *Crop Science*, **1997**, 37, 1560-1567	2.4	8

41	Response of bahiagrass carbon assimilation and photosystem activity to below optimum temperatures. *Functional Plant Biology*, **2008**, 35, 1243-1254	2.7	8
40	Sentinel Site Data for Crop Model Improvement Definition and Characterization. *Advances in Agricultural Systems Modeling*, **2016**, 125-158	0.3	7
39	Development of a QTL-environment-based predictive model for node addition rate in common bean. *Theoretical and Applied Genetics*, **2017**, 130, 1065-1079	6	6
38	Yield Improvement and Genotype Environment Analyses of Peanut Cultivars in Multilocation Trials in West Africa. *Crop Science*, **2014**, 54, 2413-2422	2.4	6
37	Using the CSM-CROPGRO-Peanut Model to Simulate Late Leaf Spot Effects on Peanut Cultivars of Differing Resistance. *Agronomy Journal*, **2013**, 105, 1307-1316	2.2	6
36	Growth stages and developmental patterns of guar. *Agronomy Journal*, **2020**, 112, 4990-5001	2.2	6
35	Modeling Nitrogen Fixation and Its Relationship to Nitrogen Uptake in the CROPGRO Model **2008**, 13-46		5
34	Energy balance in the DSSAT-CSM-CROPGRO model. *Agricultural and Forest Meteorology*, **2021**, 297, 1082[illegible]	5.81	5
33	Crop Diseases and Climate Change in the AgMIP Framework. *ICP Series on Climate Change Impacts, Adaptation, and Mitigation*, **2015**, 297-330		4
32	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		4
31	Modeling the Effects of Genotypic and Environmental Variation on Maize Phenology: The Phenology Subroutine of the AgMaize Crop Model. *Agronomy*, **2018**, 173-200	0.8	4
30	Simulated Optimum Sowing Date for Forage Pearl Millet Cultivars in Multilocation Trials in Brazilian Semi-Arid Region. *Frontiers in Plant Science*, **2017**, 8, 2074	6.2	4
29	Temperature and Photoperiod Effects on Vicia faba Phenology Simulated by CROPGRO-Fababean. *Agronomy Journal*, **2011**, 103, 1036-1050	2.2	4
28	Photosynthetic Consequences of Late Leaf Spot Differ between Two Peanut Cultivars with Variable Levels of Resistance. *Crop Science*, **2011**, 51, 2741-2748	2.4	4
27	Minimizing Aflatoxin Contamination in the Field, During Drying, and in Storage in Ghana. *Peanut Science*, **2020**, 47, 72-80	0.3	4
26	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	0.9	4
25	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	0.9	3
24	Peanut (Arachis hypogaea) response to weed and disease management in northern Ghana. *International Journal of Pest Management*, **2018**, 64, 204-209	1.5	3

23	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	6.1	3
22	Adapting the CROPGRO model to simulate growth and production of Brassica carinata, a bio-fuel crop. *GCB Bioenergy*, **2021**, 13, 1134-1148	5.6	3
21	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	5.9	3
20	Simulating Growth and Development Processes of Quinoa (Chenopodium quinoa Willd.): Adaptation and Evaluation of the CSM-CROPGRO Model. *Agronomy*, **2019**, 9, 832	3.6	3
19	Simulation of productivity and soil moisture under Marandu palisade grass using the CSM-CROPGRO-Perennial Forage model. *Crop and Pasture Science*, **2019**, 70, 159	2.2	2
18	Developmental Studies of Maize-Infesting Picture-Winged Flies (Diptera: Ulidiidae). *Environmental Entomology*, **2017**, 46, 946-953	2.1	2
17	Genetic Improvement of Peanut Cultivars for West Africa Evaluated with the CSM-CROPGRO-Peanut Model. *Agronomy Journal*, **2015**, 107, 2213-2229	2.2	2
16	Building Capacity for Modeling in Africa **2012**, 1-7		2
15	Use of Crop Models for Climate-Agricultural Decisions. *ICP Series on Climate Change Impacts, Adaptation, and Mitigation*, **2010**, 131-157		2
14	Estimating the potential impact of climate change on sunflower yield in the Konya province of Turkey. *Journal of Agricultural Science*, **2020**, 158, 806-818	1	2
13	Crop Modeling Approaches for Predicting Phenotype of Grain Legumes with Linkage to Genetic Information **2016**, 163-192		2
12	Physiological analysis of growth and development of winter carinata (Brassica carinata A. Braun). *GCB Bioenergy*, **2021**, 13, 1112-1133	5.6	2
11	Brassica carinata 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	5.6	2
10	Evaluating Improved Management Practices to Minimize Aflatoxin Contamination in the Field, During Drying, and in Storage in Ghana. *Peanut Science*, **2020**,	0.3	1
9	Deriving genetic coefficients from variety trials to determine sorghum hybrid performance using the CSM-CERES-Sorghum model. *Agronomy Journal*, **2021**, 113, 2591-2606	2.2	1
8	Yield Response of an Ensemble of Potato Crop Models to Elevated CO2 in Continental Europe. *European Journal of Agronomy*, **2021**, 126, 126265	5	1
7	Testing Approaches and Components in Physiologically Based Crop Models for Sensitivity to Climatic Factors. *Advances in Agricultural Systems Modeling*, **2016**, 1-31	0.3	1
6	Physiological responses and forage accumulation of Marandu palisadegrass and Mombaça guineagrass to nitrogen fertilizer in the Brazilian forage-based systems. *Grassland Science*, **2021**, 67, 93-101	1.3	1

5	Improving the CROPGRO Perennial Forage Model for simulating growth and biomass partitioning of guineagrass. *Agronomy Journal*, **2021**, 113, 3299-3314	2.2	1
4	Are soybean models ready for climate change food impact assessments?. *European Journal of Agronomy*, **2022**, 135, 126482	5	1
3	Adapting the CROPGRO model to simulate chia growth and yield. *Agronomy Journal*, **2020**, 112, 3859-3877	2.2	0
2	Modifying the CROPGRO Safflower Model to Simulate Growth, Seed and Floret Yield under Field Conditions in Southwestern Germany. *Agronomy*, **2020**, 10, 11	3.6	0
1	Integration of Genomics with Crop Modeling for Predicting Rice Days to Flowering: A Multi-Model Analysis. *Field Crops Research*, **2022**, 276, 108394	5.5	0