

# Kenneth Boote

## List of Publications by Year in Descending Order

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

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	Integration of Genomics with Crop Modeling for Predicting Rice Days to Flowering: A Multi-Model Analysis. <i>Field Crops Research</i> , <b>2022</b> , 276, 108394	5.5	0
147	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. <i>Agricultural Systems</i> , <b>2022</b> , 196, 103344	6.1	3
146	Are soybean models ready for climate change food impact assessments?. <i>European Journal of Agronomy</i> , <b>2022</b> , 135, 126482	5	1
145	Deriving genetic coefficients from variety trials to determine sorghum hybrid performance using the CSM-CERES-Sorghum model. <i>Agronomy Journal</i> , <b>2021</b> , 113, 2591-2606	2.2	1
144	Adapting the CROPGRO model to simulate growth and production of Brassica carinata, a bio-fuel crop. <i>GCB Bioenergy</i> , <b>2021</b> , 13, 1134-1148	5.6	3
143	Yield Response of an Ensemble of Potato Crop Models to Elevated CO <sub>2</sub> in Continental Europe. <i>European Journal of Agronomy</i> , <b>2021</b> , 126, 126265	5	1
142	Physiological analysis of growth and development of winter carinata (Brassica carinata A. Braun). <i>GCB Bioenergy</i> , <b>2021</b> , 13, 1112-1133	5.6	2
141	Brassica carinata 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> , <b>2021</b> , 13, 1275-1289	5.6	2
140	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> , <b>2021</b> , 252, 106929	5.9	3
139	Physiological responses and forage accumulation of Marandu palisadegrass and Mombasa guineagrass to nitrogen fertilizer in the Brazilian forage-based systems. <i>Grassland Science</i> , <b>2021</b> , 67, 93-101	1.3	1
138	Energy balance in the DSSAT-CSM-CROPGRO model. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 297, 108341	3.41	5
137	Cultivar Coefficient Estimator for the Cropping System Model Based on Time-Series Data: A Case Study for Soybean. <i>Transactions of the ASABE</i> , <b>2021</b> , 64, 1391-1402	0.9	4
136	Brassica carinata: Biology and agronomy as a biofuel crop. <i>GCB Bioenergy</i> , <b>2021</b> , 13, 582-599	5.6	15
135	Improving the CROPGRO Perennial Forage Model for simulating growth and biomass partitioning of guineagrass. <i>Agronomy Journal</i> , <b>2021</b> , 113, 3299-3314	2.2	1
134	Evaluating Improved Management Practices to Minimize Aflatoxin Contamination in the Field, During Drying, and in Storage in Ghana. <i>Peanut Science</i> , <b>2020</b> ,	0.3	1
133	Adapting the CROPGRO model to simulate chia growth and yield. <i>Agronomy Journal</i> , <b>2020</b> , 112, 3859-3872	1.7	0
132	Improving adoption of technologies and interventions for increasing supply of quality livestock feed in low- and middle-income countries. <i>Global Food Security</i> , <b>2020</b> , 26, 100372	8.3	15

131	Adaptation strategies for maize production under climate change for semi-arid environments. <i>European Journal of Agronomy</i> , <b>2020</b> , 115, 126040	5	22
130	Modelling climate change impacts on maize yields under low nitrogen input conditions in sub-Saharan Africa. <i>Global Change Biology</i> , <b>2020</b> , 26, 5942-5964	11.4	16
129	Modifying the CROPGRO Safflower Model to Simulate Growth, Seed and Floret Yield under Field Conditions in Southwestern Germany. <i>Agronomy</i> , <b>2020</b> , 10, 11	3.6	0
128	Minimizing Aflatoxin Contamination in the Field, During Drying, and in Storage in Ghana. <i>Peanut Science</i> , <b>2020</b> , 47, 72-80	0.3	4
127	Estimating the potential impact of climate change on sunflower yield in the Konya province of Turkey. <i>Journal of Agricultural Science</i> , <b>2020</b> , 158, 806-818	1	2
126	Simulating alfalfa regrowth and biomass in eastern Canada using the CSM-CROPGRO-perennial forage model. <i>European Journal of Agronomy</i> , <b>2020</b> , 113, 125971	5	10
125	Growth stages and developmental patterns of guar. <i>Agronomy Journal</i> , <b>2020</b> , 112, 4990-5001	2.2	6
124	Narrowing uncertainties in the effects of elevated CO <sub>2</sub> on crops. <i>Nature Food</i> , <b>2020</b> , 1, 775-782	14.4	22
123	A SIMPLE crop model. <i>European Journal of Agronomy</i> , <b>2019</b> , 104, 97-106	5	32
122	Simulation of productivity and soil moisture under Marandu palisade grass using the CSM-CROPGRO-Perennial Forage model. <i>Crop and Pasture Science</i> , <b>2019</b> , 70, 159	2.2	2
121	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> , <b>2019</b> , 79, 110-115	7.3	10
120	Simulation of maize evapotranspiration: An inter-comparison among 29 maize models. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 271, 264-284	5.8	33
119	The DSSAT crop modeling ecosystem. <i>Burleigh Dodds Series in Agricultural Science</i> , <b>2019</b> , 173-216	2	61
118	Simulating Growth and Development Processes of Quinoa ( <i>Chenopodium quinoa</i> Willd.): Adaptation and Evaluation of the CSM-CROPGRO Model. <i>Agronomy</i> , <b>2019</b> , 9, 832	3.6	3
117	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> , <b>2019</b> , 9, 639	3.6	10
116	Elevated temperature intensity, timing, and duration of exposure affect soybean internode elongation, mainstem node number, and pod number per plant. <i>Crop Journal</i> , <b>2018</b> , 6, 148-161	4.6	22
115	Impacts of 1.5 versus 2.0 °C on cereal yields in the West African Sudan Savanna. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 034014	6.2	45
114	How accurately do maize crop models simulate the interactions of atmospheric CO <sub>2</sub> concentration levels with limited water supply on water use and yield?. <i>European Journal of Agronomy</i> , <b>2018</b> , 100, 67-75		48

113	Characterizing agricultural impacts of recent large-scale US droughts and changing technology and management. <i>Agricultural Systems</i> , <b>2018</b> , 159, 275-281	6.1	13
112	Potential benefits of drought and heat tolerance for adapting maize to climate change in tropical environments. <i>Climate Risk Management</i> , <b>2018</b> , 19, 106-119	4.6	37
111	Peanut ( <i>Arachis hypogaea</i> ) response to weed and disease management in northern Ghana. <i>International Journal of Pest Management</i> , <b>2018</b> , 64, 204-209	1.5	3
110	Modeling the Effects of Genotypic and Environmental Variation on Maize Phenology: The Phenology Subroutine of the AgMaize Crop Model. <i>Agronomy</i> , <b>2018</b> , 173-200	0.8	4
109	A dynamic model with QTL covariables for predicting flowering time of common bean ( <i>Phaseolus vulgaris</i> ) genotypes. <i>European Journal of Agronomy</i> , <b>2018</b> , 101, 200-209	5	11
108	Adapting the CROPGRO Model to Simulate Alfalfa Growth and Yield. <i>Agronomy Journal</i> , <b>2018</b> , 110, 1777-1790	17	17
107	Brief history of agricultural systems modeling. <i>Agricultural Systems</i> , <b>2017</b> , 155, 240-254	6.1	256
106	Estimating water balance, evapotranspiration and water use efficiency of spring safflower using the CROPGRO model. <i>Agricultural Water Management</i> , <b>2017</b> , 185, 137-144	5.9	10
105	Development of a QTL-environment-based predictive model for node addition rate in common bean. <i>Theoretical and Applied Genetics</i> , <b>2017</b> , 130, 1065-1079	6	6
104	A Predictive Model for Time-to-Flowering in the Common Bean Based on QTL and Environmental Variables. <i>G3: Genes, Genomes, Genetics</i> , <b>2017</b> , 7, 3901-3912	3.2	16
103	Reliability of Genotype-Specific Parameter Estimation for Crop Models: Insights from a Markov Chain Monte-Carlo Estimation Approach. <i>Transactions of the ASABE</i> , <b>2017</b> , 60, 1699-1712	0.9	3
102	An AgMIP framework for improved agricultural representation in IAMs. <i>Environmental Research Letters</i> , <b>2017</b> , 12,	6.2	33
101	A Stochastic Method for Crop Models: Including Uncertainty in a Sugarcane Model. <i>Agronomy Journal</i> , <b>2017</b> , 109, 483-495	2.2	13
100	Inter-comparison of performance of soybean crop simulation models and their ensemble in southern Brazil. <i>Field Crops Research</i> , <b>2017</b> , 200, 28-37	5.5	59
99	Toward a new generation of agricultural system data, models, and knowledge products: State of agricultural systems science. <i>Agricultural Systems</i> , <b>2017</b> , 155, 269-288	6.1	188
98	A potato model intercomparison across varying climates and productivity levels. <i>Global Change Biology</i> , <b>2017</b> , 23, 1258-1281	11.4	64
97	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> , <b>2017</b> , 88, 53-62	5	38
96	Assessment of soybean yield with altered water-related genetic improvement traits under climate change in Southern Brazil. <i>European Journal of Agronomy</i> , <b>2017</b> , 83, 1-14	5	31

95	Causes of variation among rice models in yield response to CO examined with Free-Air CO Enrichment and growth chamber experiments. <i>Scientific Reports</i> , <b>2017</b> , 7, 14858	4.9	29
94	Developmental Studies of Maize-Infesting Picture-Winged Flies (Diptera: Ulidiidae). <i>Environmental Entomology</i> , <b>2017</b> , 46, 946-953	2.1	2
93	Simulated Optimum Sowing Date for Forage Pearl Millet Cultivars in Multilocation Trials in Brazilian Semi-Arid Region. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 2074	6.2	4
92	Adapting the CROPGRO Model to Simulate Growth and Yield of Spring Safflower in Semiarid Conditions. <i>Agronomy Journal</i> , <b>2016</b> , 108, 64-72	2.2	15
91	Uncertainty of wheat water use: Simulated patterns and sensitivity to temperature and CO <sub>2</sub> . <i>Field Crops Research</i> , <b>2016</b> , 198, 80-92	5.5	36
90	A taxonomy-based approach to shed light on the babel of mathematical models for rice simulation. <i>Environmental Modelling and Software</i> , <b>2016</b> , 85, 332-341	5.2	15
89	Drought impact on rainfed common bean production areas in Brazil. <i>Agricultural and Forest Meteorology</i> , <b>2016</b> , 225, 57-74	5.8	25
88	Crop Modeling Approaches for Predicting Phenotype of Grain Legumes with Linkage to Genetic Information <b>2016</b> , 163-192		2
87	Testing Approaches and Components in Physiologically Based Crop Models for Sensitivity to Climatic Factors. <i>Advances in Agricultural Systems Modeling</i> , <b>2016</b> , 1-31	0.3	1
86	Sentinel Site Data for Crop Model Improvement Definition and Characterization. <i>Advances in Agricultural Systems Modeling</i> , <b>2016</b> , 125-158	0.3	7
85	Multi-wheat-model ensemble responses to interannual climate variability. <i>Environmental Modelling and Software</i> , <b>2016</b> , 81, 86-101	5.2	38
84	Regional disparities in the beneficial effects of rising CO <sub>2</sub> concentrations on crop water productivity. <i>Nature Climate Change</i> , <b>2016</b> , 6, 786-790	21.4	145
83	Adapting the CSM-CROPGRO model for pigeonpea using sequential parameter estimation. <i>Field Crops Research</i> , <b>2015</b> , 181, 1-15	5.5	14
82	Analysis and classification of data sets for calibration and validation of agro-ecosystem models. <i>Environmental Modelling and Software</i> , <b>2015</b> , 72, 402-417	5.2	83
81	Crop Diseases and Climate Change in the AgMIP Framework. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , <b>2015</b> , 297-330		4
80	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> , <b>2015</b> , 27-44		17
79	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> , <b>2015</b> , 79-99		4
78	Multimodel ensembles of wheat growth: many models are better than one. <i>Global Change Biology</i> , <b>2015</b> , 21, 911-25	11.4	292

77	Estimating DSSAT Cropping System Cultivar-Specific Parameters Using Bayesian Techniques. <i>Advances in Agricultural Systems Modeling</i> , <b>2015</b> , 365-393	0.3	15
76	Genetic Improvement of Peanut Cultivars for West Africa Evaluated with the CSM-CROPGRO-Peanut Model. <i>Agronomy Journal</i> , <b>2015</b> , 107, 2213-2229	2.2	2
75	Estimation of nitrogen pools in irrigated potato production on sandy soil using the model SUBSTOR. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117891	3.7	21
74	Maize systems under climate change in sub-Saharan Africa. <i>International Journal of Climate Change Strategies and Management</i> , <b>2015</b> , 7, 247-271	3.9	69
73	Uncertainties in predicting rice yield by current crop models under a wide range of climatic conditions. <i>Global Change Biology</i> , <b>2015</b> , 21, 1328-41	11.4	260
72	How do various maize crop models vary in their responses to climate change factors?. <i>Global Change Biology</i> , <b>2014</b> , 20, 2301-20	11.4	407
71	Assessing agricultural risks of climate change in the 21st century in a global gridded crop model intercomparison. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3268-73	11.5	1250
70	DSSAT Nitrogen Cycle Simulation of Cover Crop-Maize Rotations under Irrigated Mediterranean Conditions. <i>Agronomy Journal</i> , <b>2014</b> , 106, 1283-1296	2.2	19
69	Yield Improvement and Genotype x Environment Analyses of Peanut Cultivars in Multilocation Trials in West Africa. <i>Crop Science</i> , <b>2014</b> , 54, 2413-2422	2.4	6
68	Harmonization and translation of crop modeling data to ensure interoperability. <i>Environmental Modelling and Software</i> , <b>2014</b> , 62, 495-508	5.2	38
67	Simulating forage production of Marandu palisade grass ( <i>Brachiaria brizantha</i> ) with the CROPGRO-Perennial Forage model. <i>Crop and Pasture Science</i> , <b>2014</b> , 65, 1335	2.2	18
66	Base temperature determination of tropical <i>Panicum</i> spp. grasses and its effects on degree-day-based models. <i>Agricultural and Forest Meteorology</i> , <b>2014</b> , 186, 26-33	5.8	31
65	Solar ultraviolet radiation exclusion increases soybean internode lengths and plant height. <i>Agricultural and Forest Meteorology</i> , <b>2014</b> , 184, 170-178	5.8	34
64	Integrated description of agricultural field experiments and production: The ICASA Version 2.0 data standards. <i>Computers and Electronics in Agriculture</i> , <b>2013</b> , 96, 1-12	6.5	59
63	From flower to seed: identifying phenological markers and reliable growth functions to model reproductive development in the common bean ( <i>Phaseolus vulgaris</i> L.). <i>Plant, Cell and Environment</i> , <b>2013</b> , 36, 2046-58	8.4	9
62	Evaluating the fidelity of downscaled climate data on simulated wheat and maize production in the southeastern US. <i>Regional Environmental Change</i> , <b>2013</b> , 13, 101-110	4.3	13
61	Putting mechanisms into crop production models. <i>Plant, Cell and Environment</i> , <b>2013</b> , 36, 1658-72	8.4	123
60	Using the CSM-CROPGRO-Peanut Model to Simulate Late Leaf Spot Effects on Peanut Cultivars of Differing Resistance. <i>Agronomy Journal</i> , <b>2013</b> , 105, 1307-1316	2.2	6

59	Alternative plants for development of picture-winged fly pests of maize. <i>Entomologia Experimentalis Et Applicata</i> , <b>2012</b> , 143, 177-184	2.1	15
58	Predicting Growth of Panicum maximum: An Adaptation of the CROPGRO Perennial Forage Model. <i>Agronomy Journal</i> , <b>2012</b> , 104, 600-611	2.2	22
57	The Scientific Grand Challenges of the 21st Century for the Crop Science Society of America. <i>Crop Science</i> , <b>2012</b> , 52, 1003-1010	2.4	18
56	Building Capacity for Modeling in Africa <b>2012</b> , 1-7		2
55	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> , <b>2012</b> , 47, 1038-1049	2.4	30
54	Elevated CO <sub>2</sub> increases water use efficiency by sustaining photosynthesis of water-limited maize and sorghum. <i>Journal of Plant Physiology</i> , <b>2011</b> , 168, 1909-18	3.6	91
53	Leaf photosynthesis and carbohydrates of CO <sub>2</sub> -enriched maize and grain sorghum exposed to a short period of soil water deficit during vegetative development. <i>Journal of Plant Physiology</i> , <b>2011</b> , 168, 2169-76	3.6	28
52	Late Leaf Spot Effects on Growth, Photosynthesis, and Yield in Peanut Cultivars of Differing Resistance. <i>Agronomy Journal</i> , <b>2011</b> , 103, 85-91	2.2	17
51	Temperature and Photoperiod Effects on Vicia faba Phenology Simulated by CROPGRO-Fababean. <i>Agronomy Journal</i> , <b>2011</b> , 103, 1036-1050	2.2	4
50	Adapting the CROPGRO perennial forage model to predict growth of Brachiaria brizantha. <i>Field Crops Research</i> , <b>2011</b> , 120, 370-379	5.5	38
49	Improving Soybean Cultivars for Adaptation to Climate Change and Climate Variability <b>2011</b> , 370-395		18
48	Distribution of Picture-Winged Flies (Diptera: Ulidiidae) Infesting Corn in Florida. <i>Florida Entomologist</i> , <b>2011</b> , 94, 35-47	1	10
47	Position Statement on Crop Adaptation to Climate Change. <i>Crop Science</i> , <b>2011</b> , 51, 2337-2343	2.4	24
46	Photosynthetic Consequences of Late Leaf Spot Differ between Two Peanut Cultivars with Variable Levels of Resistance. <i>Crop Science</i> , <b>2011</b> , 51, 2741-2748	2.4	4
45	New Report of Chaetopsis massyla (Diptera: Ulidiidae) as a Primary Pest of Corn in Florida. <i>Florida Entomologist</i> , <b>2010</b> , 93, 198-202	1	12
44	Testing Effects of Climate Change in Crop Models. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , <b>2010</b> , 109-129		18
43	Use of Crop Models for Climate-Agricultural Decisions. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , <b>2010</b> , 131-157		2
42	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> , <b>2010</b> , 167, 578-82	3.6	52

41	Enhancement in leaf photosynthesis and upregulation of Rubisco in the C sorghum plant at elevated growth carbon dioxide and temperature occur at early stages of leaf ontogeny. <i>Functional Plant Biology</i> , <b>2009</b> , 36, 761-769	2.7	40
40	Response of bahiagrass carbon assimilation and photosystem activity to below optimum temperatures. <i>Functional Plant Biology</i> , <b>2008</b> , 35, 1243-1254	2.7	8
39	Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. <i>Agronomy Journal</i> , <b>2008</b> , 100, 296	2.2	14
38	Improving the CERES-Maize Model Ability to Simulate Water Deficit Impact on Maize Production and Yield Components. <i>Agronomy Journal</i> , <b>2008</b> , 100, 296-307	2.2	23
37	Modeling Nitrogen Fixation and Its Relationship to Nitrogen Uptake in the CROPGRO Model <b>2008</b> , 13-46		5
36	Influence of growth temperature on the amounts of tocopherols, tocotrienols, and gamma-oryzanol in brown rice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 7559-65	5.7	67
35	Regression-Based Evaluation of Ecophysiological Models. <i>Agronomy Journal</i> , <b>2007</b> , 99, 419-427	2.2	14
34	Crop response to elevated CO <sub>2</sub> and world food supply: A comment on Food for Thought by Long et al., Science 312:1918-1921, 2006. <i>European Journal of Agronomy</i> , <b>2007</b> , 26, 215-223	5	218
33	Effects of season-long high temperature growth conditions on sugar-to-starch metabolism in developing microspores of grain sorghum ( <i>Sorghum bicolor</i> L. Moench). <i>Planta</i> , <b>2007</b> , 227, 67-79	4.7	122
32	Adverse high temperature effects on pollen viability, seed-set, seed yield and harvest index of grain-sorghum [ <i>Sorghum bicolor</i> (L.) Moench] are more severe at elevated carbon dioxide due to higher tissue temperatures. <i>Agricultural and Forest Meteorology</i> , <b>2006</b> , 139, 237-251	5.8	297
31	Nitrogen Fertilization Affects Bahiagrass Responses to Elevated Atmospheric Carbon Dioxide. <i>Agronomy Journal</i> , <b>2006</b> , 98, 382-387	2.2	10
30	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> , <b>2006</b> , 35, 1405-12	3.4	9
29	Elevated Temperature and CO <sub>2</sub> Impacts on Pollination, Reproductive Growth, and Yield of Several Globally Important Crops. <i>J Agricultural Meteorology</i> , <b>2005</b> , 60, 469-474	1.1	96
28	Testing CERES-Maize versions to estimate maize production in a cool environment. <i>European Journal of Agronomy</i> , <b>2005</b> , 23, 89-102	5	43
27	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> , <b>2004</b> , 166, 1565-1573	5.3	35
26	Testing and Improving Evapotranspiration and Soil Water Balance of the DSSAT Crop Models. <i>Agronomy Journal</i> , <b>2004</b> , 96, 1243-1257	2.2	85
25	Elevated growth CO <sub>2</sub> delays drought stress and accelerates recovery of rice leaf photosynthesis. <i>Environmental and Experimental Botany</i> , <b>2003</b> , 49, 259-272	5.9	41
24	Super-optimal temperatures are detrimental to peanut ( <i>Arachis hypogaea</i> L.) reproductive processes and yield at both ambient and elevated carbon dioxide. <i>Global Change Biology</i> , <b>2003</b> , 9, 1775-1787	11.4	152



23	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. <i>Agronomy Journal</i> , <b>2002</b> , 94, 743-756	2.2	64
22	Effects of elevated temperature and carbon dioxide on seed-set and yield of kidney bean ( <i>Phaseolus vulgaris</i> L.). <i>Global Change Biology</i> , <b>2002</b> , 8, 710-721	11.4	202
21	Adapting the CROPGRO Legume Model to Simulate Growth of Faba Bean. <i>Agronomy Journal</i> , <b>2002</b> , 94, 743	2.2	16
20	Soybean photosynthesis, Rubisco, and carbohydrate enzymes function at supraoptimal temperatures in elevated CO <sub>2</sub> . <i>Journal of Plant Physiology</i> , <b>2001</b> , 158, 295-307	3.6	78
19	Growth and Canopy Characteristics of Field-Grown Tomato. <i>Agronomy Journal</i> , <b>2000</b> , 92, 152-159	2.2	75
18	Direct effects of atmospheric carbon dioxide concentration on whole canopy dark respiration of rice. <i>Global Change Biology</i> , <b>2000</b> , 6, 275-286	11.4	22
17	Nitrogen Stress Effects on Growth and Nitrogen Accumulation by Field-Grown Tomato. <i>Agronomy Journal</i> , <b>2000</b> , 92, 159-167	2.2	60
16	Carbon dioxide and temperature effects on forage establishment: tissue composition and nutritive value. <i>Global Change Biology</i> , <b>1999</b> , 5, 743-753	11.4	14
15	Evaluation and improvement of CROPGRO-soybean model for a cool environment in Galicia, northwest Spain. <i>Field Crops Research</i> , <b>1999</b> , 61, 273-291	5.5	41
14	Nonstructural carbohydrates of soybean plants grown in subambient and superambient levels of CO <sub>2</sub> . <i>Photosynthesis Research</i> , <b>1998</b> , 56, 143-155	3.7	18
13	Elevated CO <sub>2</sub> and water deficit effects on photosynthesis, ribulose bisphosphate carboxylase-oxygenase, and carbohydrate metabolism in rice. <i>Physiologia Plantarum</i> , <b>1998</b> , 103, 327-339	4.6	44
12	Changes in growth CO <sub>2</sub> 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> , <b>1998</b> , 118, 521-9	6.6	50
11	Chemical Characterization of a Shriveled Seed Trait in Peanut. <i>Crop Science</i> , <b>1997</b> , 37, 1560-1567	2.4	8
10	Rice responses to drought under carbon dioxide enrichment. 1. Growth and yield. <i>Global Change Biology</i> , <b>1997</b> , 3, 119-128	11.4	46
9	Rice responses to drought under carbon dioxide enrichment. 2. Photosynthesis and evapotranspiration. <i>Global Change Biology</i> , <b>1997</b> , 3, 129-138	11.4	50
8	Comparison of Two Phenology Models for Predicting Flowering and Maturity Date of Soybean. <i>Crop Science</i> , <b>1996</b> , 36, 1606-1614	2.4	73
7	Potential Uses and Limitations of Crop Models. <i>Agronomy Journal</i> , <b>1996</b> , 88, 704-716	2.2	352
6	A Peanut Simulation Model: I. Model Development and Testing. <i>Agronomy Journal</i> , <b>1995</b> , 87, 1085-1093	2.2	50

5	Yield-Determining Processes in Relation to Cultivar Seed Size of Common Bean. <i>Crop Science</i> , <b>1994</b> , 34, 84-91	2.4	30
4	BEANGRO: A Process-Oriented Dry Bean Model with a Versatile User Interface. <i>Agronomy Journal</i> , <b>1994</b> , 86, 182-190	2.2	54
3	Modeling the Occurrence of Reproductive Stages after Flowering for Four Soybean Cultivars. <i>Agronomy Journal</i> , <b>1994</b> , 86, 31-38	2.2	57
2	Parameter Estimation for Predicting Flowering Date of Soybean Cultivars. <i>Crop Science</i> , <b>1993</b> , 33, 137-144	2.4	79
1	Global climate change and US agriculture. <i>Nature</i> , <b>1990</b> , 345, 219-224	50.4	521