

# Kenneth Cassman

## List of Publications by Year in descending order

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156  
papers

28,753  
citations

13854

67  
h-index

7511

151  
g-index

160  
all docs

160  
docs citations

160  
times ranked

23895  
citing authors

#	ARTICLE	IF	CITATIONS
1	Agricultural sustainability and intensive production practices. <i>Nature</i> , 2002, 418, 671-677.	13.7	5,748
2	Rice yields decline with higher night temperature from global warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9971-9975.	3.3	1,859
3	Agroecosystems, Nitrogen-use Efficiency, and Nitrogen Management. <i>Ambio</i> , 2002, 31, 132-140.	2.8	1,251
4	Ecological intensification of cereal production systems: Yield potential, soil quality, and precision agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 5952-5959.	3.3	1,123
5	Yield gap analysis with local to global relevance—A review. <i>Field Crops Research</i> , 2013, 143, 4-17.	2.3	1,111
6	Agricultural expansion and its impacts on tropical nature. <i>Trends in Ecology and Evolution</i> , 2014, 29, 107-116.	4.2	1,045
7	Crop Yield Gaps: Their Importance, Magnitudes, and Causes. <i>Annual Review of Environment and Resources</i> , 2009, 34, 179-204.	5.6	1,038
8	MEETING CEREAL DEMAND WHILE PROTECTING NATURAL RESOURCES AND IMPROVING ENVIRONMENTAL QUALITY. <i>Annual Review of Environment and Resources</i> , 2003, 28, 315-358.	5.6	774
9	Distinguishing between yield advances and yield plateaus in historical crop production trends. <i>Nature Communications</i> , 2013, 4, 2918.	5.8	611
10	Integrated soil-crop system management for food security. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6399-6404.	3.3	606
11	Limited potential of no-till agriculture for climate change mitigation. <i>Nature Climate Change</i> , 2014, 4, 678-683.	8.1	594
12	New technologies reduce greenhouse gas emissions from nitrogenous fertilizer in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8375-8380.	3.3	593
13	Can sub-Saharan Africa feed itself?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14964-14969.	3.3	564
14	Yield Potential Trends of Tropical Rice since the Release of IR8 and the Challenge of Increasing Rice Yield Potential. <i>Crop Science</i> , 1999, 39, 1552-1559.	0.8	553
15	Post-Green Revolution Trends in Yield Potential of Temperate Maize in the North-Central United States. <i>Crop Science</i> , 1999, 39, 1622-1630.	0.8	534
16	Annual carbon dioxide exchange in irrigated and rainfed maize-based agroecosystems. <i>Agricultural and Forest Meteorology</i> , 2005, 131, 77-96.	1.9	449
17	Global nitrogen budgets in cereals: A 50-year assessment for maize, rice and wheat production systems. <i>Scientific Reports</i> , 2016, 6, 19355.	1.6	343
18	Estimating crop yield potential at regional to national scales. <i>Field Crops Research</i> , 2013, 143, 34-43.	2.3	308

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19	A global perspective on sustainable intensification research. <i>Nature Sustainability</i> , 2020, 3, 262-268.	11.5	260
20	Nitrogen Mineralization as Affected by Soil Moisture, Temperature, and Depth. <i>Soil Science Society of America Journal</i> , 1980, 44, 1233-1237.	1.2	259
21	High-yield maize with large net energy yield and small global warming intensity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1074-1079.	3.3	256
22	How good is good enough? Data requirements for reliable crop yield simulations and yield-gap analysis. <i>Field Crops Research</i> , 2015, 177, 49-63.	2.3	253
23	Adjustment for Specific Leaf Weight Improves Chlorophyll Meter's Estimate of Rice Leaf Nitrogen Concentration. <i>Agronomy Journal</i> , 1993, 85, 987-990.	0.9	249
24	High-yield irrigated maize in the Western U.S. Corn Belt: I. On-farm yield, yield potential, and impact of agronomic practices. <i>Field Crops Research</i> , 2011, 120, 142-150.	2.3	249
25	The Ripple Effect: Biofuels, Food Security, and the Environment. <i>Environment</i> , 2007, 49, 30-43.	0.8	246
26	Use of agro-climatic zones to upscale simulated crop yield potential. <i>Field Crops Research</i> , 2013, 143, 44-55.	2.3	234
27	Improvements in Life Cycle Energy Efficiency and Greenhouse Gas Emissions of Corn-Ethanol. <i>Journal of Industrial Ecology</i> , 2009, 13, 58-74.	2.8	222
28	Maize Radiation Use Efficiency under Optimal Growth Conditions. <i>Agronomy Journal</i> , 2005, 97, 72-78.	0.9	221
29	Comparison of high-yield rice in tropical and subtropical environments. <i>Field Crops Research</i> , 1998, 57, 71-84.	2.3	216
30	Limits to maize productivity in Western Corn-Belt: A simulation analysis for fully irrigated and rainfed conditions. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1254-1265.	1.9	211
31	Closing yield gaps for rice self-sufficiency in China. <i>Nature Communications</i> , 2019, 10, 1725.	5.8	179
32	Reversal of Rice Yield Decline in a Long-Term Continuous Cropping Experiment. <i>Agronomy Journal</i> , 2000, 92, 633-643.	0.9	166
33	Fertilizer-Nitrogen Use Efficiency of Irrigated Wheat: I. Uptake Efficiency of Preplant versus Late-Season Application. <i>Agronomy Journal</i> , 1992, 84, 682-688.	0.9	153
34	From field to atlas: Upscaling of location-specific yield gap estimates. <i>Field Crops Research</i> , 2015, 177, 98-108.	2.3	145
35	Potential for crop production increase in Argentina through closure of existing yield gaps. <i>Field Crops Research</i> , 2015, 184, 145-154.	2.3	144
36	Agricultural innovation to protect the environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8345-8348.	3.3	141

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37	Fertilizer inputs, nutrient balance, and soil nutrient-supplying power in intensive, irrigated rice systems. I. Potassium uptake and K balance. <i>Nutrient Cycling in Agroecosystems</i> , 1996, 46, 1-10.	1.1	139
38	Soybean Sowing Date: The Vegetative, Reproductive, and Agronomic Impacts. <i>Crop Science</i> , 2008, 48, 727-740.	0.8	138
39	The Nitrogen Balancing Act: Tracking the Environmental Performance of Food Production. <i>BioScience</i> , 2018, 68, 194-203.	2.2	136
40	Intensification of irrigated rice systems: Learning from the past to meet future challenges. <i>Geo Journal</i> , 1995, 35, 299-305.	1.7	132
41	Soybean yield gaps and water productivity in the western U.S. Corn Belt. <i>Field Crops Research</i> , 2015, 179, 150-163.	2.3	132
42	Upper Thresholds of Nitrogen Uptake Rates and Associated Nitrogen Fertilizer Efficiencies in Irrigated Rice. <i>Agronomy Journal</i> , 1998, 90, 178-185.	0.9	131
43	Monitoring the world's agriculture. <i>Nature</i> , 2010, 466, 558-560.	13.7	127
44	Soil organic matter and the indigenous nitrogen supply of intensive irrigated rice systems in the tropics. <i>Plant and Soil</i> , 1996, 182, 267-278.	1.8	126
45	A World of Cobenefits: Solving the Global Nitrogen Challenge. <i>Earth's Future</i> , 2019, 7, 865-872.	2.4	122
46	High-yield irrigated maize in the Western U.S. Corn Belt: II. Irrigation management and crop water productivity. <i>Field Crops Research</i> , 2011, 120, 133-141.	2.3	114
47	Impact of derived global weather data on simulated crop yields. <i>Global Change Biology</i> , 2013, 19, 3822-3834.	4.2	113
48	Evaluation of NASA Satellite- and Model-Derived Weather Data for Simulation of Maize Yield Potential in China. <i>Agronomy Journal</i> , 2010, 102, 9-16.	0.9	109
49	Phosphorus Requirements of Soybean and Cowpea as Affected by Mode of N Nutrition. <i>Agronomy Journal</i> , 1981, 73, 17-22.	0.9	104
50	Nitrogen supply affects root:shoot ratio in corn and velvetleaf ( <i>Abrus theophrasti</i> ). <i>Weed Science</i> , 2005, 53, 670-675.	0.8	103
51	Losses of Ammonia and Nitrate from Agriculture and Their Effect on Nitrogen Recovery in the European Union and the United States between 1900 and 2050. <i>Journal of Environmental Quality</i> , 2015, 44, 356-367.	1.0	100
52	Aggregate Size Effects on the Sorption and Release of Phosphorus in an Ultisol. <i>Soil Science Society of America Journal</i> , 1997, 61, 160-166.	1.2	98
53	Chlorophyll meter estimates leaf area-based nitrogen concentration of rice. <i>Communications in Soil Science and Plant Analysis</i> , 1995, 26, 927-935.	0.6	96
54	Can ratoon cropping improve resource use efficiencies and profitability of rice in central China?. <i>Field Crops Research</i> , 2019, 234, 66-72.	2.3	94

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55	Long-Term Effects of Tillage on Soil Chemical Properties and Grain Yields of a Dryland Winter Wheat-Sorghum/Corn-Fallow Rotation in the Great Plains. <i>Agronomy Journal</i> , 2006, 98, 26-33.	0.9	93
56	Growth and Nitrogen Fixation in High-Yielding Soybean: Impact of Nitrogen Fertilization. <i>Agronomy Journal</i> , 2009, 101, 958-970.	0.9	91
57	Relationship between Leaf Photosynthesis and Nitrogen Content of Field-Grown Rice in Tropics. <i>Crop Science</i> , 1995, 35, 1627-1630.	0.8	90
58	Root Growth and Dry Matter Distribution of Soybean as Affected by Phosphorus Stress, Nodulation, and Nitrogen Source. <i>Crop Science</i> , 1980, 20, 239-244.	0.8	89
59	Mapping rootable depth and root zone plant-available water holding capacity of the soil of sub-Saharan Africa. <i>Geoderma</i> , 2018, 324, 18-36.	2.3	87
60	Sustainable intensification for a larger global rice bowl. <i>Nature Communications</i> , 2021, 12, 7163.	5.8	82
61	Differential Response of Two Cotton Cultivars to Fertilizer and Soil Potassium. <i>Agronomy Journal</i> , 1989, 81, 870-876.	0.9	81
62	INORGANIC AND ORGANIC PHOSPHORUS DYNAMICS DURING A BUILD-UP AND DECLINE OF AVAILABLE PHOSPHORUS IN AN ULTISOL. <i>Soil Science</i> , 1997, 162, 254-264.	0.9	80
63	Long-term Comparison of the Agronomic Efficiency and Residual Benefits of Organic and Inorganic Nitrogen Sources for Tropical Lowland Rice. <i>Experimental Agriculture</i> , 1996, 32, 427-444.	0.4	77
64	Fertilizer inputs, nutrient balance and soil nutrient supplying power in intensive, irrigated rice system. III. Phosphorus. <i>Nutrient Cycling in Agroecosystems</i> , 1996, 46, 111-125.	1.1	76
65	Biosolids as Nitrogen Source for Irrigated Maize and Rainfed Sorghum. <i>Soil Science Society of America Journal</i> , 2002, 66, 531-543.	1.2	76
66	Testing Remote Sensing Approaches for Assessing Yield Variability among Maize Fields. <i>Agronomy Journal</i> , 2014, 106, 24-32.	0.9	73
67	Estimating yield gaps at the cropping system level. <i>Field Crops Research</i> , 2017, 206, 21-32.	2.3	73
68	Features, Applications, and Limitations of the Hybrid Maize Simulation Model. <i>Agronomy Journal</i> , 2006, 98, 737-748.	0.9	70
69	Water productivity of rainfed maize and wheat: A local to global perspective. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 364-373.	1.9	70
70	MaizeN: A Decision Tool for Nitrogen Management in Maize. <i>Agronomy Journal</i> , 2011, 103, 1276-1283.	0.9	67
71	Can crop simulation models be used to predict local to regional maize yields and total production in the U.S. Corn Belt?. <i>Field Crops Research</i> , 2016, 192, 1-12.	2.3	67
72	Potassium Nutrition Effects on Lint Yield and Fiber Quality of Acala Cotton. <i>Crop Science</i> , 1990, 30, 672-677.	0.8	66

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73	The importance of maintenance breeding: A case study of the first miracle rice variety-IR8. <i>Field Crops Research</i> , 2010, 119, 342-347.	2.3	62
74	Climate and agronomy, not genetics, underpin recent maize yield gains in favorable environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	62
75	Comparison of high-yield rice in tropical and subtropical environments. <i>Field Crops Research</i> , 1998, 57, 85-93.	2.3	60
76	Large-Scale On-Farm Implementation of Soil Moisture-Based Irrigation Management Strategies for Increasing Maize Water Productivity. <i>Transactions of the ASABE</i> , 2012, 55, 881-894.	1.1	59
77	Yield gap analysis of US rice production systems shows opportunities for improvement. <i>Field Crops Research</i> , 2016, 196, 276-283.	2.3	59
78	Soil Potassium Balance and Cumulative Cotton Response to Annual Potassium Additions on a Vermiculitic Soil. <i>Soil Science Society of America Journal</i> , 1989, 53, 805-812.	1.2	57
79	Nitrogen Supply Effects on Partitioning of Dry Matter and Nitrogen to Grain of Irrigated Wheat. <i>Crop Science</i> , 1992, 32, 1251-1258.	0.8	57
80	Genotypes and Plant Densities for Narrow-Row Cotton Systems. I. Height, Nodes, Earliness, and Location of Yield. <i>Crop Science</i> , 1990, 30, 644-649.	0.8	54
81	Prospects for Increasing Sugarcane and Bioethanol Production on Existing Crop Area in Brazil. <i>BioScience</i> , 2016, 66, 307-316.	2.2	51
82	A steady-state N balance approach for sustainable smallholder farming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	49
83	Phosphorus Nutrition of <i>Rhizobium japonicum</i> : Strain Differences in Phosphate Storage and Utilization. <i>Soil Science Society of America Journal</i> , 1981, 45, 517-520.	1.2	48
84	Fertilizer-Nitrogen Use Efficiency of Irrigated Wheat: II. Partitioning Efficiency of Preplant versus Late-Season Application. <i>Agronomy Journal</i> , 1992, 84, 689-694.	0.9	48
85	Acidification of Soil in a Dry Land Winter Wheat-sorghum/corn-fallow Rotation in the Semiarid U.S. Great Plains. <i>Plant and Soil</i> , 2006, 283, 367-379.	1.8	48
86	Towards Standardization of Life-Cycle Metrics for Biofuels: Greenhouse Gas Emissions Mitigation and Net Energy Yield. <i>Journal of Biobased Materials and Bioenergy</i> , 2008, 2, 187-203.	0.1	48
87	Drivers of spatial and temporal variation in soybean yield and irrigation requirements in the western US Corn Belt. <i>Field Crops Research</i> , 2014, 163, 32-46.	2.3	46
88	Beyond the plot: technology extrapolation domains for scaling out agronomic science. <i>Environmental Research Letters</i> , 2018, 13, 054027.	2.2	41
89	Contribution of persistent factors to yield gaps in high-yield irrigated maize. <i>Field Crops Research</i> , 2016, 186, 124-132.	2.3	40
90	Growth of <i>Rhizobium</i> Strains at Low Concentrations of Phosphate. <i>Soil Science Society of America Journal</i> , 1981, 45, 520-523.	1.2	39

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91	Reduction of Potassium Fixation by Two Humic Acid Fractions in Vermiculitic Soils. Soil Science Society of America Journal, 1995, 59, 1250-1258.	1.2	39
92	Soil microbial biomass and nitrogen supply in an irrigated lowland rice soil as affected by crop rotation and residue management. Biology and Fertility of Soils, 1998, 28, 71-80.	2.3	39
93	Nitrogen and the future of agriculture: 20 years on. Ambio, 2022, 51, 17-24.	2.8	38
94	Nitrogen use efficiency of irrigated tropical rice established by broadcast wet-seeding and transplanting. Fertilizer Research, 1995, 45, 123-134.	0.5	36
95	Can there be a green revolution in Sub-Saharan Africa without large expansion of irrigated crop production?. Global Food Security, 2013, 2, 203-209.	4.0	34
96	Temperature explains the yield difference of double-season rice between tropical and subtropical environments. Field Crops Research, 2016, 198, 303-311.	2.3	34
97	Soil Acidity and Liming Effects on Stand, Nodulation, and Yield of Common Bean. Agronomy Journal, 1990, 82, 749-754.	0.9	33
98	Evaluation of a Mechanistic Model of Potassium Uptake by Cotton in Vermiculitic Soil. Soil Science Society of America Journal, 1994, 58, 1174-1183.	1.2	33
99	Crop Yield Potential, Yield Trends, and Global Food Security in a Changing Climate. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2010, , 37-51.	0.4	33
100	Improvements to the Hybrid-Maize model for simulating maize yields in harsh rainfed environments. Field Crops Research, 2017, 204, 180-190.	2.3	33
101	Kinetics of Potassium Fixation in Vermiculitic Soils under Different Moisture Regimes. Soil Science Society of America Journal, 1995, 59, 423-429.	1.2	32
102	Spatial frameworks for robust estimation of yield gaps. Nature Food, 2021, 2, 773-779.	6.2	32
103	Soil water recharge in a semi-arid temperate climate of the Central U.S. Great Plains. Agricultural Water Management, 2010, 97, 1063-1069.	2.4	31
104	Exploitation of Soil Potassium in Layered Profiles by Root Systems of Cotton and Barley. Soil Science Society of America Journal, 1989, 53, 146-153.	1.2	30
105	Residual phosphorus and long-term management strategies for an Ultisol. Plant and Soil, 1996, 184, 47-55.	1.8	30
106	Yield gap analysis of rainfed wheat demonstrates local to global relevance. Journal of Agricultural Science, 2017, 155, 282-299.	0.6	30
107	Benchmarking impact of nitrogen inputs on grain yield and environmental performance of producer fields in the western US Corn Belt. Agriculture, Ecosystems and Environment, 2020, 294, 106865.	2.5	30
108	Assessing variation in maize grain nitrogen concentration and its implications for estimating nitrogen balance in the US North Central region. Field Crops Research, 2019, 240, 185-193.	2.3	29

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109	Cotton root and shoot response to localized supply of nitrate, phosphate and potassium: Split-pot studies with nutrient solution and vermiculitic soil. <i>Plant and Soil</i> , 1994, 161, 179-193.	1.8	28
110	Microbial biomass and organic matter turnover in wetland rice soils. <i>Biology and Fertility of Soils</i> , 1995, 19, 333-342.	2.3	28
111	High-yield maize–soybean cropping systems in the US Corn Belt. , 2015, , 17-41.		28
112	Nutritional physiology of the rice plants and productivity decline of irrigated rice systems in the tropics. <i>Soil Science and Plant Nutrition</i> , 1997, 43, 1101-1106.	0.8	27
113	Biosolids as Nitrogen Source for Irrigated Maize and Rainfed Sorghum. <i>Soil Science Society of America Journal</i> , 2002, 66, 531.	1.2	27
114	Comparison of soil test methods for predicting cotton response to soil and fertilizer potassium on potassium fixing soils. <i>Communications in Soil Science and Plant Analysis</i> , 1990, 21, 1727-1743.	0.6	26
115	A model to predict crop response to applied fertilizer nutrients in heterogeneous fields. <i>Fertilizer Research</i> , 1992, 31, 151-163.	0.5	26
116	Characterization of Humic Acid Fractions Improves Estimates of Nitrogen Mineralization Kinetics for Lowland Rice Soils. <i>Soil Science Society of America Journal</i> , 2004, 68, 1266-1277.	1.2	26
117	Genotypes and Plant Densities for Narrow-Row Cotton Systems. II. Leaf Area and Dry-Matter Partitioning. <i>Crop Science</i> , 1990, 30, 649-653.	0.8	26
118	Cotton Response to Residual Fertilizer Potassium on Vermiculitic Soil: Organic Matter and Sodium Effects. <i>Soil Science Society of America Journal</i> , 1992, 56, 823-830.	1.2	25
119	Emissions Savings in the Corn–Ethanol Life Cycle from Feeding Coproducts to Livestock. <i>Journal of Environmental Quality</i> , 2010, 39, 472-482.	1.0	25
120	Soybean Phenology Simulation in the North-Central United States. <i>Agronomy Journal</i> , 2011, 103, 1661-1667.	0.9	25
121	Soybean Root Development Relative to Vegetative and Reproductive Phenology. <i>Agronomy Journal</i> , 2012, 104, 1702-1709.	0.9	25
122	Estimating yield potential in temperate high-yielding, direct-seeded US rice production systems. <i>Field Crops Research</i> , 2016, 193, 123-132.	2.3	25
123	Rooting for food security in Sub-Saharan Africa. <i>Environmental Research Letters</i> , 2017, 12, 114036.	2.2	24
124	Rotation Impact on On-Farm Yield and Input-Use Efficiency in High-Yield Irrigated Maize–Soybean Systems. <i>Agronomy Journal</i> , 2016, 108, 2313-2321.	0.9	23
125	Nitrogen Mineralization from Humic Acid Fractions in Rice Soils Depends on Degree of Humification. <i>Soil Science Society of America Journal</i> , 2004, 68, 1278-1284.	1.2	20
126	Quantifying On-Farm Nitrous Oxide Emission Reductions in Food Supply Chains. <i>Earth's Future</i> , 2020, 8, e2020EF001504.	2.4	19



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127	Increasing the Yield Plateau in Rice and the Role of Global Climate Change. <i>J Agricultural Meteorology</i> , 1993, 48, 795-798.	0.8	19
128	Impact of urbanization trends on production of key staple crops. <i>Ambio</i> , 2022, 51, 1158-1167.	2.8	18
129	A spatial framework for ex-ante impact assessment of agricultural technologies. <i>Global Food Security</i> , 2019, 20, 72-81.	4.0	17
130	Effective monitoring of agriculture: a response. <i>Journal of Environmental Monitoring</i> , 2012, 14, 738.	2.1	16
131	Nitrogen supplying capacity of lowland rice soils in southern India. <i>Communications in Soil Science and Plant Analysis</i> , 1996, 27, 2851-2874.	0.6	15
132	Use of Herbicide-Tolerant Crops as a Component of an Integrated Weed Management Program. <i>Crop Management</i> , 2003, 2, 1-7.	0.3	15
133	Nodal Leaf Area Distribution in Soybean Plants Grown in High Yield Environments. <i>Agronomy Journal</i> , 2011, 103, 1198-1204.	0.9	15
134	Yield, Dinitrogen Fixation, and Aboveground Nitrogen Balance of Irrigated White Lupin in a Mediterranean Climate. <i>Agronomy Journal</i> , 1989, 81, 538-543.	0.9	14
135	Green revolution still too green. <i>Nature</i> , 1999, 398, 556-556.	13.7	14
136	Soybean Irrigation Management: Agronomic Impacts of Deferred, Deficit, and Full-Season Strategies. <i>Crop Science</i> , 2014, 54, 2782-2795.	0.8	14
137	Robust spatial frameworks for leveraging research on sustainable crop intensification. <i>Global Food Security</i> , 2017, 14, 18-22.	4.0	14
138	Progress Towards Perennial Grains for Prairies and Plains. <i>Outlook on Agriculture</i> , 2022, 51, 32-38.	1.8	12
139	Effect of Leaf Phosphorus and Potassium Concentration on Chlorophyll Meter Reading in Rice. <i>Plant Production Science</i> , 1999, 2, 227-231.	0.9	11
140	Effects of variations in soil water potential, depth of N placement, and cultivar on postanthesis N uptake by wheat. <i>Plant and Soil</i> , 1992, 143, 45-53.	1.8	10
141	Nitrogen Fixation by Irrigated Berseem Clover versus Soil Nitrogen Supply. <i>Journal of Agronomy and Crop Science</i> , 1990, 164, 202-207.	1.7	9
142	Reply to 'No-till agriculture and climate change mitigation'. <i>Nature Climate Change</i> , 2015, 5, 489-489.	8.1	9
143	Microwave oven drying of rice leaves for rapid determination of dry weight and nitrogen concentration. <i>Journal of Plant Nutrition</i> , 1994, 17, 209-217.	0.9	6
144	Disentangling management factors influencing nitrogen balance in producer fields in the western Corn Belt. <i>Agricultural Systems</i> , 2021, 193, 103245.	3.2	5

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145	A cropping systems approach to salinity management in California. <i>Renewable Agriculture and Food Systems</i> , 1986, 1, 115-121.	0.6	4
146	Temporal Origin of Nitrogen in the Grain of Tropical Wet-Season Rice. <i>Agronomy Journal</i> , 2005, 97, 698-704.	0.9	4
147	The impact of meat consumption on the tropics: reply to Machovina and Feeley. <i>Trends in Ecology and Evolution</i> , 2014, 29, 432.	4.2	3
148	Luck versus Skill: Is Nitrogen Balance in Irrigated Maize Fields Driven by Persistent or Random Factors?. <i>Environmental Science &amp; Technology</i> , 2021, 55, 749-756.	4.6	3
149	A Low-Cost System for Circulating Nutrient Solutions in Pot Studies <sup>1</sup> . <i>Crop Science</i> , 1980, 20, 110.	0.8	3
150	POTENTIAL BENEFITS OF LAND APPLYING BIOSOLIDS IN EASTERN NEBRASKA. <i>Proceedings of the Water Environment Federation</i> , 2001, 2001, 1011-1024.	0.0	1
151	Response to Comment by C. G. Kowalenko. <i>Soil Science Society of America Journal</i> , 1981, 45, 1006-1006.	1.2	1
152	Is fertilization efficiency misleading?. <i>Nature</i> , 2003, 422, 398-398.	13.7	0
153	Biofuels or Food?. <i>Scientific American</i> , 2008, 18, 28-28.	1.0	0
154	Response to comment on "Evaluating conservation agriculture for small-scale farmers in Sub-Saharan Africa and South Asia". <i>Agriculture, Ecosystems and Environment</i> , 2014, 196, 112-113.	2.5	0
155	Spatial Frameworks to Support Agronomic Innovation. <i>Crops &amp; Soils</i> , 2021, 54, 46-51.	0.1	0
156	Water-efficient clover fixes soil nitrogen, provides winter forage crop. <i>California Agriculture</i> , 1991, 45, 30-32.	0.5	0