Elizabeth Lee

List of Publications by Citations

36 papers	1,116 citations	17 h-index	33 g-index
38 ext. papers	1,289 ext. citations	2.9 avg, IF	4.08 L-index

#	Paper	IF	Citations
36	Physiological Basis of Successful Breeding Strategies for Maize Grain Yield. *Crop Science*, **2007**, 47, S-202-S-215	2.4	213
35	Physiological Basis of Heterosis for Grain Yield in Maize. *Crop Science*, **2004**, 44, 2086-2094	2.4	122
34	Quantitative trait loci and metabolic pathways. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 1996-2000	11.5	95
33	When too much isn't enough: Does current food production meet global nutritional needs?. *PLoS ONE*, **2018**, 13, e0205683	3.7	68
32	Shade avoidance: an integral component of crop–weed competition. *Weed Research*, **2010**, 50, 281	1.9	59
31	The effect of artificial selection on phenotypic plasticity in maize. *Nature Communications*, **2017**, 8, 1348	17.4	58
30	Genetic mechanisms underlying apimaysin and maysin synthesis and corn earworm antibiosis in maize (Zea mays L.). *Genetics*, **1998**, 149, 1997-2006	4	57
29	Does the shade avoidance response contribute to the critical period for weed control in maize (Zea mays)?. *Weed Research*, **2009**, 49, 563-571	1.9	50
28	Strategies for Enhancing Grain Yield in Maize **2011**, 37-82		44
27	Genetic Variation in Physiological Discriminators for Cold Tolerance–Early Autotrophic Phase of Maize Development. *Crop Science*, **2002**, 42, 1919-1929	2.4	41
26	Allele Mining of Exotic Maize Germplasm to Enhance Macular Carotenoids. *Crop Science*, **2011**, 51, 991-1004	2.4	28
25	Effect of Recurrent Selection on Combining Ability in Maize Breeding Populations. *Crop Science*, **2003**, 43, 1652-1658	2.4	28
24	Heterosis for Leaf CO2 Exchange Rate during the Grain-Filling Period in Maize. *Crop Science*, **2004**, 44, 2095-2100	2.4	28
23	Quantitative Genetic Analysis of the Physiological Processes underlying Maize Grain Yield. *Crop Science*, **2005**, 45, 981-987	2.4	25
22	Re-examining the Relationship between Degree of Relatedness, Genetic Effects, and Heterosis in Maize. *Crop Science*, **2007**, 47, 629-635	2.4	24
21	Maize Yield Potential and Density Tolerance. *Crop Science*, **2018**, 58, 472-485	2.4	20
20	Response of Leaf Photosynthesis during the Grain-Filling Period of Maize to Duration of Cold Exposure, Acclimation, and Incident PPFD. *Crop Science*, **2002**, 42, 1164-1172	2.4	18

19	Genetic Components of Yield Stability in Maize Breeding Populations. *Crop Science*, **2003**, 43, 2018-2027	2.4	15
18	Corn Inbred Line CG102. *Canadian Journal of Plant Science*, **2001**, 81, 455-456	1	15
17	Corn Inbred Lines CG60 and CG62. *Canadian Journal of Plant Science*, **2001**, 81, 453-454	1	13
16	Use of NMR for predicting protein concentration in soybean seeds based on oil measurements. *JAOCS, Journal of the American Oil Chemists Society*, **2005**, 82, 87-91	1.8	11
15	Nature of the Genetic Variation in an Elite Maize Breeding Cross. *Crop Science*, **2011**, 51, 75-83	2.4	10
14	CG108 corn inbred line. *Canadian Journal of Plant Science*, **2000**, 80, 817-818	1	10
13	Development and Utilization of High Carotenoid Maize Germplasm: Proof of Concept. *Crop Science*, **2013**, 53, 554-563	2.4	8
12	Interaction of common bacterial blight quantitative trait loci in a resistant inter-cross population of common bean. *Plant Breeding*, **2013**, 132, 658-666	2.4	8
11	Use of Sister-Lines and the Performance of Modified Single-Cross Maize Hybrids. *Crop Science*, **2006**, 46, 312-320	2.4	8
10	Involvement of Year-to-Year Variation in Thermal Time, Solar Radiation and Soil Available Moisture in Genotype-by-Environment Effects in Maize. *Crop Science*, **2016**, 56, 2180-2192	2.4	7
9	Winter Cereal Cover Crops for Spring Forage in Temperate Climates. *Agronomy Journal*, **2019**, 111, 217-223	2.2	7
8	Genetic Architecture Underlying Kernel Quality in Food-Grade Maize. *Crop Science*, **2012**, 52, 1561-1571	2.4	6
7	Detection of Neighboring Weeds Alters Soybean Seedling Roots and Nodulation. *Weed Science*, **2015**, 63, 888-900	2	5
6	Maize (Zea mays) seeds can detect above-ground weeds; thiamethoxam alters the view. *Pest Management Science*, **2015**, 71, 1335-45	4.6	4
5	Annual Cereal Cover Crops Following Winter Wheat Produce High Quality Fall Forage. *Agronomy Journal*, **2019**, 111, 1634-1642	2.2	2
4	The Effect of Linkage on Genetic Variances within Biparental Simulated and Zea mays Populations. *Crop Science*, **2014**, 54, 2481-2491	2.4	2
3	Phenotypic and Genotypic Characterization of Purple Kernel Streak in White Food Corn. *Crop Science*, **2009**, 49, 1235-1241	2.4	2
2	Robustness of QTLs across germplasm pools using a model quantitative trait. *Genome*, **2009**, 52, 39-48	2.4	2

1 CG104 and CG105 corn inbred line. *Canadian Journal of Plant Science*, **2000**, 80, 599-600 1 2