James E Specht

List of Publications by Year
in descending order

| 46 papers | 5,048 citations | 186265
28 h-index | 254184
43 g-index |
|---|---|---|---|
| 46 all docs | 46 docs citations | 46 times ranked | 5888 citing authors |

#	Article	IF	Citations
1	A genome-wide association study of seed protein and oil content in soybean. BMC Genomics, 2014, 15, 1.	2.8	1,312
2	Impacts of genetic bottlenecks on soybean genome diversity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16666-16671.	7.1	633
3	Artificial selection for determinate growth habit in soybean. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8563-8568.	7.1	330
4	A Soybean Transcript Map: Gene Distribution, Haplotype and Single-Nucleotide Polymorphism Analysis. Genetics, 2007, 176, 685-696.	2.9	285
5	A High Density Integrated Genetic Linkage Map of Soybean and the Development of a 1536 Universal Soy Linkage Panel for Quantitative Trait Locus Mapping. Crop Science, 2010, 50, 960-968.	1.8	247
6	High-throughput SNP discovery through deep resequencing of a reduced representation library to anchor and orient scaffolds in the soybean whole genome sequence. BMC Genomics, 2010, 11, 38.	2.8	242
7	High-throughput genotyping with the GoldenGate assay in the complex genome of soybean. Theoretical and Applied Genetics, 2008, 116, 945-952.	3.6	210
8	Highly Variable Patterns of Linkage Disequilibrium in Multiple Soybean Populations. Genetics, 2007, 175, 1937-1944.	2.9	182
9	Identification of QTLs for Resistance to *Sclerotinia sclerotiorum* in Soybean. Crop Science, 2001, 41, 180-188.	1.8	159
10	*Dt2* Is a Gain-of-Function MADS-Domain Factor Gene That Specifies Semideterminacy in Soybean Â. Plant Cell, 2014, 26, 2831-2842.	6.6	136
11	Complementary genetic and genomic approaches help characterize the linkage group I seed protein QTL in soybean. BMC Plant Biology, 2010, 10, 41.	3.6	96
12	Growth and Nitrogen Fixation in High-Yielding Soybean: Impact of Nitrogen Fertilization. Agronomy Journal, 2009, 101, 958-970.	1.8	91
13	Genetic Gain Ã— Management Interactions in Soybean: I. Planting Date. Crop Science, 2013, 53, 1128-1138.	1.8	86
14	Soybean Yield Partitioning Changes Revealed by Genetic Gain and Seeding Rate Interactions. Agronomy Journal, 2014, 106, 1631-1642.	1.8	86
15	Identification of Novel QTL Governing Root Architectural Traits in an Interspecific Soybean Population. PLoS ONE, 2015, 10, e0120490.	2.5	75
16	Genome-Wide Analysis of Grain Yield Stability and Environmental Interactions in a Multiparental Soybean Population. G3: Genes, Genomes, Genetics, 2018, 8, 519-529.	1.8	75
17	Climate-induced reduction in US-wide soybean yields underpinned by region- and in-season-specific responses. Nature Plants, 2015, 1, 14026.	9.3	71
18	Contribution of Genetic Technology to Soybean Productivity - Retrospect and Prospect. CSSA Special Publication - Crop Science Society of America, 0, , 49-74.	0.1	51

#	ARTICLE	IF	CITATIONS
19	Multi-Population Selective Genotyping to Identify Soybean [*Glycine max* (L.) Merr.] Seed Protein and Oil QTLs. G3: Genes, Genomes, Genetics, 2016, 6, 1635-1648.	1.8	45
20	Soybean. CSSA Special Publication - Crop Science Society of America, 0, , 311-355.	0.1	44
21	Defining Optimal Soybean Sowing Dates across the US. Scientific Reports, 2019, 9, 2800.	3.3	43
22	Molecular Genetic Mapping of Soybean: Map Utilization. Crop Science, 1992, 32, 1091-1098.	1.8	42
23	A Roadmap for Functional Structural Variants in the Soybean Genome. G3: Genes, Genomes, Genetics, 2014, 4, 1307-1318.	1.8	42
24	Genetic Gain Ã— Management Interactions in Soybean: II. Nitrogen Utilization. Crop Science, 2014, 54, 340-348.	1.8	40
25	Estimating Soybean Genetic Gain for Yield in the Northern United Statesâ€"Influence of Cropping History. Crop Science, 2013, 53, 2473-2482.	1.8	37
26	Dissecting the Genetic Basis of Local Adaptation in Soybean. Scientific Reports, 2017, 7, 17195.	3.3	37
27	Genomeâ€wide Association Mapping of Qualitatively Inherited Traits in a Germplasm Collection. Plant Genome, 2017, 10, plantgenome2016.06.0054.	2.8	37
28	Fine mapping and cloning of the major seed protein quantitative trait loci on soybean chromosome 20. Plant Journal, 2022, 110, 114-128.	5.7	36
29	Insufficient nitrogen supply from symbiotic fixation reduces seasonal crop growth and nitrogen mobilization to seed in highly productive soybean crops. Plant, Cell and Environment, 2020, 43, 1958-1972.	5.7	35
30	Position Statement on Crop Adaptation to Climate Change. Crop Science, 2011, 51, 2337-2343.	1.8	33
31	Efficient Down-Regulation of the Major Vegetative Storage Protein Genes in Transgenic Soybean Does Not Compromise Plant Productivity. Plant Physiology, 2001, 127, 1819-1826.	4.8	30
32	Soybean Root Development Relative to Vegetative and Reproductive Phenology. Agronomy Journal, 2012, 104, 1702-1709.	1.8	25
33	Rotation Impact on Onâ€Farm Yield and Inputâ€Use Efficiency in Highâ€Yield Irrigated Maizeâ€"Soybean Systems. Agronomy Journal, 2016, 108, 2313-2321.	1.8	23
34	Impact of seed protein alleles from three soybean sources on seed composition and agronomic traits. Theoretical and Applied Genetics, 2017, 130, 2315-2326.	3.6	18
35	Soybean Irrigation Management: Agronomic Impacts of Deferred, Deficit, and Fullâ€Season Strategies. Crop Science, 2014, 54, 2782-2795.	1.8	14
36	Insights from the Soybean (Glycine max and Glycine soja) Genome. Advances in Agronomy, 2013, , 177-204.	5.2	13

#	Article	IF	Citations
37	Elite Performance for Grain Yield from Unadapted Exotic Soybean Germplasm in Three Cycles of a Recurrent Selection Experiment. Crop Science, 2014, 54, 2536-2546.	1.8	13
38	Analysis of Cytoplasmic Diversity in an Outcrossing Population of Soybean. Crop Science, 1994, 34, 46-50.	1.8	13
39	Soybean. , 2021, , 282-319.		12
40	Pubescence Density Effects on Soybean Seed Yield and Other Agronomic Traits. Crop Science, 1992, 32, 641-648.	1.8	11
41	The Use of Reflectance Data for In-Season Soybean Yield Prediction. Agronomy Journal, 2014, 106, 1159-1168.	1.8	10
42	Fungicide Management Does Not Affect the Rate of Genetic Gain in Soybean. Agronomy Journal, 2014, 106, 2043-2054.	1.8	8
43	Advancing agricultural research using machine learning algorithms. Scientific Reports, 2021, 11, 17879.	3.3	8
44	High-throughput characterization, correlation, and mapping of leaf photosynthetic and functional traits in the soybean (<i>Glycine max</i>) nested association mapping population. Genetics, 2022, , .	2.9	8
45	Genotype imputation for soybean nested association mapping population to improve precision of QTL detection. Theoretical and Applied Genetics, 2022, 135, 1797-1810.	3.6	3
46	Enhancing Genomic Prediction Models for Forecasting Days to Maturity in Soybean Genotypes Using Site-Specific and Cumulative Photoperiod Data. Agriculture (Switzerland), 2022, 12, 545.	3.1	1