

James E Specht

List of Publications by Year in descending order

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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	Fine mapping and cloning of the major seed protein quantitative trait loci on soybean chromosome 20. <i>Plant Journal</i> , 2022, 110, 114-128.	5.7	36
2	Genotype imputation for soybean nested association mapping population to improve precision of QTL detection. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1797-1810.	3.6	3
3	Enhancing Genomic Prediction Models for Forecasting Days to Maturity in Soybean Genotypes Using Site-Specific and Cumulative Photoperiod Data. <i>Agriculture (Switzerland)</i> , 2022, 12, 545.	3.1	1
4	High-throughput characterization, correlation, and mapping of leaf photosynthetic and functional traits in the soybean (<i>Glycine max</i>) nested association mapping population. <i>Genetics</i> , 2022, , .	2.9	8
5	Advancing agricultural research using machine learning algorithms. <i>Scientific Reports</i> , 2021, 11, 17879.	3.3	8
6	Soybean. , 2021, , 282-319.		12
7	Insufficient nitrogen supply from symbiotic fixation reduces seasonal crop growth and nitrogen mobilization to seed in highly productive soybean crops. <i>Plant, Cell and Environment</i> , 2020, 43, 1958-1972.	5.7	35
8	Defining Optimal Soybean Sowing Dates across the US. <i>Scientific Reports</i> , 2019, 9, 2800.	3.3	43
9	Genome-Wide Analysis of Grain Yield Stability and Environmental Interactions in a Multiparental Soybean Population. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 519-529.	1.8	75
10	Impact of seed protein alleles from three soybean sources on seed composition and agronomic traits. <i>Theoretical and Applied Genetics</i> , 2017, 130, 2315-2326.	3.6	18
11	Dissecting the Genetic Basis of Local Adaptation in Soybean. <i>Scientific Reports</i> , 2017, 7, 17195.	3.3	37
12	Genome-wide Association Mapping of Qualitatively Inherited Traits in a Germplasm Collection. <i>Plant Genome</i> , 2017, 10, plantgenome2016.06.0054.	2.8	37
13	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.	1.8	23
14	Multi-Population Selective Genotyping to Identify Soybean [<i>Glycine max</i> (L.) Merr.] Seed Protein and Oil QTLs. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1635-1648.	1.8	45
15	Climate-induced reduction in US-wide soybean yields underpinned by region- and in-season-specific responses. <i>Nature Plants</i> , 2015, 1, 14026.	9.3	71
16	Identification of Novel QTL Governing Root Architectural Traits in an Interspecific Soybean Population. <i>PLoS ONE</i> , 2015, 10, e0120490.	2.5	75
17	Soybean Yield Partitioning Changes Revealed by Genetic Gain and Seeding Rate Interactions. <i>Agronomy Journal</i> , 2014, 106, 1631-1642.	1.8	86
18	Soybean Irrigation Management: Agronomic Impacts of Deferred, Deficit, and Full-season Strategies. <i>Crop Science</i> , 2014, 54, 2782-2795.	1.8	14

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19	Fungicide Management Does Not Affect the Rate of Genetic Gain in Soybean. <i>Agronomy Journal</i> , 2014, 106, 2043-2054.	1.8	8
20	Elite Performance for Grain Yield from Unadapted Exotic Soybean Germplasm in Three Cycles of a Recurrent Selection Experiment. <i>Crop Science</i> , 2014, 54, 2536-2546.	1.8	13
21	The Use of Reflectance Data for In-Season Soybean Yield Prediction. <i>Agronomy Journal</i> , 2014, 106, 1159-1168.	1.8	10
22	A Roadmap for Functional Structural Variants in the Soybean Genome. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1307-1318.	1.8	42
23	A genome-wide association study of seed protein and oil content in soybean. <i>BMC Genomics</i> , 2014, 15, 1.	2.8	1,312
24	<i>DT2</i> Is a Gain-of-Function MADS-Domain Factor Gene That Specifies Semideterminacy in Soybean. <i>Plant Cell</i> , 2014, 26, 2831-2842.	6.6	136
25	Genetic Gain × Management Interactions in Soybean: II. Nitrogen Utilization. <i>Crop Science</i> , 2014, 54, 340-348.	1.8	40
26	Insights from the Soybean (<i>Glycine max</i> and <i>Glycine soja</i>) Genome. <i>Advances in Agronomy</i> , 2013, , 177-204.	5.2	13
27	Genetic Gain × Management Interactions in Soybean: I. Planting Date. <i>Crop Science</i> , 2013, 53, 1128-1138.	1.8	86
28	Estimating Soybean Genetic Gain for Yield in the Northern United States—Influence of Cropping History. <i>Crop Science</i> , 2013, 53, 2473-2482.	1.8	37
29	Soybean Root Development Relative to Vegetative and Reproductive Phenology. <i>Agronomy Journal</i> , 2012, 104, 1702-1709.	1.8	25
30	Position Statement on Crop Adaptation to Climate Change. <i>Crop Science</i> , 2011, 51, 2337-2343.	1.8	33
31	High-throughput SNP discovery through deep resequencing of a reduced representation library to anchor and orient scaffolds in the soybean whole genome sequence. <i>BMC Genomics</i> , 2010, 11, 38.	2.8	242
32	Complementary genetic and genomic approaches help characterize the linkage group I seed protein QTL in soybean. <i>BMC Plant Biology</i> , 2010, 10, 41.	3.6	96
33	A High Density Integrated Genetic Linkage Map of Soybean and the Development of a 1536 Universal Soy Linkage Panel for Quantitative Trait Locus Mapping. <i>Crop Science</i> , 2010, 50, 960-968.	1.8	247
34	Artificial selection for determinate growth habit in soybean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8563-8568.	7.1	330
35	Growth and Nitrogen Fixation in High-Yielding Soybean: Impact of Nitrogen Fertilization. <i>Agronomy Journal</i> , 2009, 101, 958-970.	1.8	91
36	High-throughput genotyping with the GoldenGate assay in the complex genome of soybean. <i>Theoretical and Applied Genetics</i> , 2008, 116, 945-952.	3.6	210

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37	A Soybean Transcript Map: Gene Distribution, Haplotype and Single-Nucleotide Polymorphism Analysis. <i>Genetics</i> , 2007, 176, 685-696.	2.9	285
38	Highly Variable Patterns of Linkage Disequilibrium in Multiple Soybean Populations. <i>Genetics</i> , 2007, 175, 1937-1944.	2.9	182
39	Impacts of genetic bottlenecks on soybean genome diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16666-16671.	7.1	633
40	Identification of QTLs for Resistance to <i>Sclerotinia sclerotiorum</i> in Soybean. <i>Crop Science</i> , 2001, 41, 180-188.	1.8	159
41	Efficient Down-Regulation of the Major Vegetative Storage Protein Genes in Transgenic Soybean Does Not Compromise Plant Productivity. <i>Plant Physiology</i> , 2001, 127, 1819-1826.	4.8	30
42	Analysis of Cytoplasmic Diversity in an Outcrossing Population of Soybean. <i>Crop Science</i> , 1994, 34, 46-50.	1.8	13
43	Molecular Genetic Mapping of Soybean: Map Utilization. <i>Crop Science</i> , 1992, 32, 1091-1098.	1.8	42
44	Pubescence Density Effects on Soybean Seed Yield and Other Agronomic Traits. <i>Crop Science</i> , 1992, 32, 641-648.	1.8	11
45	Soybean. <i>CSSA Special Publication - Crop Science Society of America</i> , 0, , 311-355.	0.1	44
46	Contribution of Genetic Technology to Soybean Productivity - Retrospect and Prospect. <i>CSSA Special Publication - Crop Science Society of America</i> , 0, , 49-74.	0.1	51