

# James E Specht

## List of Publications by Year in descending order

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46  
papers

5,048  
citations

186209

28  
h-index

254106

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. <i>BMC Genomics</i> , 2014, 15, 1.	1.2	1,312
2	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.	3.3	633
3	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.	3.3	330
4	A Soybean Transcript Map: Gene Distribution, Haplotype and Single-Nucleotide Polymorphism Analysis. <i>Genetics</i> , 2007, 176, 685-696.	1.2	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. <i>Crop Science</i> , 2010, 50, 960-968.	0.8	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. <i>BMC Genomics</i> , 2010, 11, 38.	1.2	242
7	High-throughput genotyping with the GoldenGate assay in the complex genome of soybean. <i>Theoretical and Applied Genetics</i> , 2008, 116, 945-952.	1.8	210
8	Highly Variable Patterns of Linkage Disequilibrium in Multiple Soybean Populations. <i>Genetics</i> , 2007, 175, 1937-1944.	1.2	182
9	Identification of QTLs for Resistance to <i>Sclerotinia sclerotiorum</i> in Soybean. <i>Crop Science</i> , 2001, 41, 180-188.	0.8	159
10	<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.	3.1	136
11	Complementary genetic and genomic approaches help characterize the linkage group I seed protein QTL in soybean. <i>BMC Plant Biology</i> , 2010, 10, 41.	1.6	96
12	Growth and Nitrogen Fixation in High-Yielding Soybean: Impact of Nitrogen Fertilization. <i>Agronomy Journal</i> , 2009, 101, 958-970.	0.9	91
13	Genetic Gain × Management Interactions in Soybean: I. Planting Date. <i>Crop Science</i> , 2013, 53, 1128-1138.	0.8	86
14	Soybean Yield Partitioning Changes Revealed by Genetic Gain and Seeding Rate Interactions. <i>Agronomy Journal</i> , 2014, 106, 1631-1642.	0.9	86
15	Identification of Novel QTL Governing Root Architectural Traits in an Interspecific Soybean Population. <i>PLoS ONE</i> , 2015, 10, e0120490.	1.1	75
16	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.	0.8	75
17	Climate-induced reduction in US-wide soybean yields underpinned by region- and in-season-specific responses. <i>Nature Plants</i> , 2015, 1, 14026.	4.7	71
18	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

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19	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.	0.8	45
20	Soybean. <i>CSSA Special Publication - Crop Science Society of America</i> , 0, , 311-355.	0.1	44
21	Defining Optimal Soybean Sowing Dates across the US. <i>Scientific Reports</i> , 2019, 9, 2800.	1.6	43
22	Molecular Genetic Mapping of Soybean: Map Utilization. <i>Crop Science</i> , 1992, 32, 1091-1098.	0.8	42
23	A Roadmap for Functional Structural Variants in the Soybean Genome. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1307-1318.	0.8	42
24	Genetic Gain – Management Interactions in Soybean: II. Nitrogen Utilization. <i>Crop Science</i> , 2014, 54, 340-348.	0.8	40
25	Estimating Soybean Genetic Gain for Yield in the Northern United States – Influence of Cropping History. <i>Crop Science</i> , 2013, 53, 2473-2482.	0.8	37
26	Dissecting the Genetic Basis of Local Adaptation in Soybean. <i>Scientific Reports</i> , 2017, 7, 17195.	1.6	37
27	Genome-wide Association Mapping of Qualitatively Inherited Traits in a Germplasm Collection. <i>Plant Genome</i> , 2017, 10, plantgenome2016.06.0054.	1.6	37
28	Fine mapping and cloning of the major seed protein quantitative trait loci on soybean chromosome 20. <i>Plant Journal</i> , 2022, 110, 114-128.	2.8	36
29	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.	2.8	35
30	Position Statement on Crop Adaptation to Climate Change. <i>Crop Science</i> , 2011, 51, 2337-2343.	0.8	33
31	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.	2.3	30
32	Soybean Root Development Relative to Vegetative and Reproductive Phenology. <i>Agronomy Journal</i> , 2012, 104, 1702-1709.	0.9	25
33	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
34	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.	1.8	18
35	Soybean Irrigation Management: Agronomic Impacts of Deferred, Deficit, and Full-Season Strategies. <i>Crop Science</i> , 2014, 54, 2782-2795.	0.8	14
36	Insights from the Soybean ( <i>Glycine max</i> and <i>Glycine soja</i> ) Genome. <i>Advances in Agronomy</i> , 2013, , 177-204.	2.4	13

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37	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.	0.8	13
38	Analysis of Cytoplasmic Diversity in an Outcrossing Population of Soybean. <i>Crop Science</i> , 1994, 34, 46-50.	0.8	13
39	Soybean. , 2021, , 282-319.		12
40	Pubescence Density Effects on Soybean Seed Yield and Other Agronomic Traits. <i>Crop Science</i> , 1992, 32, 641-648.	0.8	11
41	The Use of Reflectance Data for In-Season Soybean Yield Prediction. <i>Agronomy Journal</i> , 2014, 106, 1159-1168.	0.9	10
42	Fungicide Management Does Not Affect the Rate of Genetic Gain in Soybean. <i>Agronomy Journal</i> , 2014, 106, 2043-2054.	0.9	8
43	Advancing agricultural research using machine learning algorithms. <i>Scientific Reports</i> , 2021, 11, 17879.	1.6	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. <i>Genetics</i> , 2022, , .	1.2	8
45	Genotype imputation for soybean nested association mapping population to improve precision of QTL detection. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1797-1810.	1.8	3
46	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.	1.4	1