

James E Specht

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 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. | 1.8 | 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. | 1.4 | 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, , . | 1.2 | 8 |
| 5 | Advancing agricultural research using machine learning algorithms. <i>Scientific Reports</i> , 2021, 11, 17879. | 1.6 | 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. | 2.8 | 35 |
| 8 | Defining Optimal Soybean Sowing Dates across the US. <i>Scientific Reports</i> , 2019, 9, 2800. | 1.6 | 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. | 0.8 | 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. | 1.8 | 18 |
| 11 | Dissecting the Genetic Basis of Local Adaptation in Soybean. <i>Scientific Reports</i> , 2017, 7, 17195. | 1.6 | 37 |
| 12 | Genome-wide Association Mapping of Qualitatively Inherited Traits in a Germplasm Collection. <i>Plant Genome</i> , 2017, 10, plantgenome2016.06.0054. | 1.6 | 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. | 0.9 | 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. | 0.8 | 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. | 4.7 | 71 |
| 16 | Identification of Novel QTL Governing Root Architectural Traits in an Interspecific Soybean Population. <i>PLoS ONE</i> , 2015, 10, e0120490. | 1.1 | 75 |
| 17 | Soybean Yield Partitioning Changes Revealed by Genetic Gain and Seeding Rate Interactions. <i>Agronomy Journal</i> , 2014, 106, 1631-1642. | 0.9 | 86 |
| 18 | Soybean Irrigation Management: Agronomic Impacts of Deferred, Deficit, and Full-season Strategies. <i>Crop Science</i> , 2014, 54, 2782-2795. | 0.8 | 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. | 0.9 | 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. | 0.8 | 13 |
| 21 | The Use of Reflectance Data for In-Season Soybean Yield Prediction. <i>Agronomy Journal</i> , 2014, 106, 1159-1168. | 0.9 | 10 |
| 22 | A Roadmap for Functional Structural Variants in the Soybean Genome. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1307-1318. | 0.8 | 42 |
| 23 | A genome-wide association study of seed protein and oil content in soybean. <i>BMC Genomics</i> , 2014, 15, 1. | 1.2 | 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. | 3.1 | 136 |
| 25 | Genetic Gain × Management Interactions in Soybean: II. Nitrogen Utilization. <i>Crop Science</i> , 2014, 54, 340-348. | 0.8 | 40 |
| 26 | Insights from the Soybean (<i>Glycine max</i> and <i>Glycine soja</i>) Genome. <i>Advances in Agronomy</i> , 2013, , 177-204. | 2.4 | 13 |
| 27 | Genetic Gain × Management Interactions in Soybean: I. Planting Date. <i>Crop Science</i> , 2013, 53, 1128-1138. | 0.8 | 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. | 0.8 | 37 |
| 29 | Soybean Root Development Relative to Vegetative and Reproductive Phenology. <i>Agronomy Journal</i> , 2012, 104, 1702-1709. | 0.9 | 25 |
| 30 | Position Statement on Crop Adaptation to Climate Change. <i>Crop Science</i> , 2011, 51, 2337-2343. | 0.8 | 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. | 1.2 | 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. | 1.6 | 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. | 0.8 | 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. | 3.3 | 330 |
| 35 | Growth and Nitrogen Fixation in High-Yielding Soybean: Impact of Nitrogen Fertilization. <i>Agronomy Journal</i> , 2009, 101, 958-970. | 0.9 | 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. | 1.8 | 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. | 1.2 | 285 |
| 38 | Highly Variable Patterns of Linkage Disequilibrium in Multiple Soybean Populations. <i>Genetics</i> , 2007, 175, 1937-1944. | 1.2 | 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. | 3.3 | 633 |
| 40 | Identification of QTLs for Resistance to <i>Sclerotinia sclerotiorum</i> in Soybean. <i>Crop Science</i> , 2001, 41, 180-188. | 0.8 | 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. | 2.3 | 30 |
| 42 | Analysis of Cytoplasmic Diversity in an Outcrossing Population of Soybean. <i>Crop Science</i> , 1994, 34, 46-50. | 0.8 | 13 |
| 43 | Molecular Genetic Mapping of Soybean: Map Utilization. <i>Crop Science</i> , 1992, 32, 1091-1098. | 0.8 | 42 |
| 44 | Pubescence Density Effects on Soybean Seed Yield and Other Agronomic Traits. <i>Crop Science</i> , 1992, 32, 641-648. | 0.8 | 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 |