

Glen L Hartman

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232
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44
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67
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236
ext. papers

8,073
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
232	Crops that feed the World 2. Soybean worldwide production, use, and constraints caused by pathogens and pests. <i>Food Security</i> , 2011 , 3, 5-17	6.7	258
231	Discovery of Soybean Aphid Biotypes. <i>Crop Science</i> , 2008 , 48, 923	2.4	165
230	A Single Dominant Gene for Resistance to the Soybean Aphid in the Soybean Cultivar Dowling. <i>Crop Science</i> , 2006 , 46, 1601-1605	2.4	159
229	Identification of Diverse Mycoviruses through Metatranscriptomics Characterization of the Viromes of Five Major Fungal Plant Pathogens. <i>Journal of Virology</i> , 2016 , 90, 6846-6863	6.6	145
228	Isoflavonoid accumulation in soybean hairy roots upon treatment with <i>Fusarium solani</i> . <i>Plant Physiology and Biochemistry</i> , 2004 , 42, 671-9	5.4	121
227	Breeding for Resistance to Soybean Rust. <i>Plant Disease</i> , 2005 , 89, 664-666	1.5	117
226	A new soybean aphid (Hemiptera: Aphididae) biotype identified. <i>Journal of Economic Entomology</i> , 2010 , 103, 509-15	2.2	116
225	Map Location of the Rpp1 Locus That Confers Resistance to Soybean Rust in Soybean. <i>Crop Science</i> , 2007 , 47, 837-838	2.4	108
224	Effect of three resistant soybean genotypes on the fecundity, mortality, and maturation of soybean aphid (Homoptera: Aphididae). <i>Journal of Economic Entomology</i> , 2004 , 97, 1106-11	2.2	108
223	Evaluation of Virulence of <i>Phakopsora pachyrhizi</i> and <i>P. meibomia</i> Isolates. <i>Plant Disease</i> , 2006 , 90, 708-716	1.5	106
222	Soybean defense responses to the soybean aphid. <i>New Phytologist</i> , 2008 , 179, 185-195	9.8	102
221	Soybean Aphid Resistance in Soybean Jackson Is Controlled by a Single Dominant Gene. <i>Crop Science</i> , 2006 , 46, 1606-1608	2.4	102
220	Efficacy of Fungicides on <i>Sclerotinia sclerotiorum</i> and Their Potential for Control of <i>Sclerotinia</i> Stem Rot on Soybean. <i>Plant Disease</i> , 2002 , 86, 26-31	1.5	90
219	Germplasm Evaluation of <i>Glycine max</i> for Resistance to <i>Fusarium solani</i> , the Causal Organism of Sudden Death Syndrome. <i>Plant Disease</i> , 1997 , 81, 515-518	1.5	89
218	Soybean Rust Development and the Quantitative Relationship Between Rust Severity and Soybean Yield. <i>Plant Disease</i> , 1991 , 75, 596	1.5	88
217	Detection and Quantification of <i>Fusarium solani</i> f. sp. <i>glycines</i> in Soybean Roots with Real-Time Quantitative Polymerase Chain Reaction. <i>Plant Disease</i> , 2004 , 88, 1372-1380	1.5	79
216	Resistance to the Soybean Aphid in Soybean Germplasm. <i>Crop Science</i> , 2004 , 44, 98	2.4	76

215	Modification of phenolic metabolism in soybean hairy roots through down regulation of chalcone synthase or isoflavone synthase. <i>Planta</i> , 2007 , 225, 665-79	4.7	74
214	Resistance and virulence in the soybean-Aphis glycines interaction. <i>Euphytica</i> , 2012 , 186, 635-646	2.1	73
213	Fine mapping the soybean aphid resistance gene Rag1 in soybean. <i>Theoretical and Applied Genetics</i> , 2010 , 120, 1063-71	6	69
212	Fine mapping of the soybean aphid-resistance gene Rag2 in soybean PI 200538. <i>Theoretical and Applied Genetics</i> , 2010 , 121, 599-610	6	68
211	Mapping and Confirmation of a New Allele at Rpp1 from Soybean PI 594538A Conferring RB LesionType Resistance to Soybean Rust. <i>Crop Science</i> , 2009 , 49, 783-790	2.4	68
210	Occurrence and Distribution of Aphis glycines on Soybeans in Illinois in 2000 and Its Potential Control. <i>Plant Health Progress</i> , 2001 , 2, 17	1.2	64
209	Mycelial Compatibility Grouping and Aggressiveness of Sclerotinia sclerotiorum. <i>Plant Disease</i> , 2004 , 88, 325-332	1.5	63
208	International Fungicide Efficacy Trials for the Management of Soybean Rust. <i>Plant Disease</i> , 2007 , 91, 1450-1458	1.5	62
207	Molecular Detection of Diaporthe phaseolorum and Phomopsis longicolla from Soybean Seeds. <i>Phytopathology</i> , 1999 , 89, 796-804	3.8	62
206	No net insect abundance and diversity declines across US Long Term Ecological Research sites. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1368-1376	12.3	62
205	Differential Responses of Resistant Soybean Entries to Isolates of Phakopsora pachyrhizi. <i>Plant Disease</i> , 2009 , 93, 224-228	1.5	60
204	Evaluation of Resistance Screening Methods for Sclerotinia Stem Rot of Soybean and Dry Bean. <i>Plant Disease</i> , 2003 , 87, 1471-1476	1.5	60
203	Inheritance of Resistance to the Soybean Aphid in Soybean PI 200538. <i>Crop Science</i> , 2009 , 49, 1193-1200	2.4	59
202	Effect of Fungicide and Timing of Application on Soybean Rust Severity and Yield. <i>Plant Disease</i> , 2009 , 93, 243-248	1.5	59
201	Molecular Identification and Phylogenetic Grouping of Diaporthe phaseolorum and Phomopsis longicolla Isolates from Soybean. <i>Phytopathology</i> , 1998 , 88, 1306-14	3.8	59
200	Variable Reaction of Tomato Lines to Bacterial Wilt Evaluated at Several Locations in Southeast Asia. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1996 , 31, 143-146	2.4	59
199	Metagenome-Wide Association Study and Machine Learning Prediction of Bulk Soil Microbiome and Crop Productivity. <i>Frontiers in Microbiology</i> , 2017 , 8, 519	5.7	57
198	Evaluation of Soybean Germplasm for Resistance to Phakopsora pachyrhizi. <i>Plant Health Progress</i> , 2006 , 7, 33	1.2	56

197	Using PCR to Distinguish <i>Diaporthe phaseolorum</i> and <i>Phomopsis longicolla</i> from Other Soybean Fungal Pathogens and to Detect Them in Soybean Tissues. <i>Plant Disease</i> , 1997 , 81, 1143-1149	1.5	55
196	Yield and Seed Quality of Soybean Cultivars Infected with <i>Sclerotinia sclerotiorum</i> . <i>Plant Disease</i> , 1998 , 82, 826-829	1.5	54
195	Resistance of Glycine Species and Various Cultivated Legumes to the Soybean Aphid (Homoptera: Aphididae). <i>Journal of Economic Entomology</i> , 2004 , 97, 1071-1077	2.2	53
194	Adult Plant Evaluation of Soybean Accessions for Resistance to <i>Phakopsora pachyrhizi</i> in the Field and Greenhouse in Paraguay. <i>Plant Disease</i> , 2008 , 92, 96-105	1.5	51
193	Molecular detection of <i>Fusarium solani</i> f. sp. <i>glycines</i> in soybean roots and soil. <i>Plant Pathology</i> , 2003 , 52, 74-83	2.8	49
192	Overexpression of GmCaM4 in soybean enhances resistance to pathogens and tolerance to salt stress. <i>Molecular Plant Pathology</i> , 2014 , 15, 145-60	5.7	48
191	The Effect of Solar Irradiance on the Mortality of <i>Phakopsora pachyrhizi</i> Urediniospores. <i>Plant Disease</i> , 2006 , 90, 941-945	1.5	46
190	Characterization of Disease Resistance Loci in the USDA Soybean Germplasm Collection Using Genome-Wide Association Studies. <i>Phytopathology</i> , 2016 , 106, 1139-1151	3.8	45
189	Reaction of Selected Soybean Genotypes to Isolates of <i>Fusarium solani</i> f. sp. <i>glycines</i> and Their Culture Filtrates. <i>Plant Disease</i> , 1998 , 82, 999-1002	1.5	44
188	Transfection of <i>Sclerotinia sclerotiorum</i> with in vitro transcripts of a naturally occurring interspecific recombinant of <i>Sclerotinia sclerotiorum</i> hypovirus 2 significantly reduces virulence of the fungus. <i>Journal of Virology</i> , 2015 , 89, 5060-71	6.6	43
187	Aggressiveness of <i>Phomopsis longicolla</i> and Other <i>Phomopsis</i> spp. on Soybean. <i>Plant Disease</i> , 2010 , 94, 1035-1040	1.5	43
186	Effects of intercropping and soil amendment with urea and calcium oxide on the incidence of bacterial wilt of tomato and survival of soil-borne <i>Pseudomonas solanacearum</i> in Taiwan. <i>Plant Pathology</i> , 1997 , 46, 600-610	2.8	43
185	Mapping and confirmation of a new sudden death syndrome resistance QTL on linkage group D2 from the soybean genotypes PI 567374 and Ripley. <i>Molecular Breeding</i> , 2007 , 20, 53-62	3.4	43
184	Selected Soybean Plant Introductions with Partial Resistance to <i>Sclerotinia sclerotiorum</i> . <i>Plant Disease</i> , 2002 , 86, 971-980	1.5	43
183	Evaluation of Perennial Glycine Species for Resistance to Soybean Fungal Pathogens That Cause <i>Sclerotinia</i> Stem Rot and Sudden Death Syndrome. <i>Crop Science</i> , 2000 , 40, 545-549	2.4	43
182	Occurrence of Seed Coat Mottling in Soybean Plants Inoculated with Bean pod mottle virus and Soybean mosaic virus. <i>Plant Disease</i> , 2003 , 87, 1333-1336	1.5	41
181	Resistance of Glycine species and various cultivated legumes to the soybean aphid (Homoptera: Aphididae). <i>Journal of Economic Entomology</i> , 2004 , 97, 1071-7	2.2	41
180	Identification of Multiple Phytotoxins Produced by <i>Fusarium virguliforme</i> Including a Phytotoxic Effector (FvNIS1) Associated With Sudden Death Syndrome Foliar Symptoms. <i>Molecular Plant-Microbe Interactions</i> , 2016 , 29, 96-108	3.6	40

179	New Legume Hosts of Phakopsora pachyrhizi Based on Greenhouse Evaluations. <i>Plant Disease</i> , 2008 , 92, 767-771	1.5	40
178	Characterizing Resistance to Phakopsora pachyrhizi in Soybean. <i>Plant Disease</i> , 2011 , 95, 577-581	1.5	39
177	Transcriptome analysis of resistant and susceptible genotypes of Glycine tomentella during Phakopsora pachyrhizi infection reveals novel rust resistance genes. <i>Theoretical and Applied Genetics</i> , 2010 , 120, 1315-33	6	39
176	Molecular mapping of soybean rust resistance in soybean accession PI 561356 and SNP haplotype analysis of the Rpp1 region in diverse germplasm. <i>Theoretical and Applied Genetics</i> , 2012 , 125, 1339-52	6	38
175	Identification of QTL for Resistance to Sclerotinia Stem Rot in Soybean Plant Introduction 194639. <i>Crop Science</i> , 2008 , 48, 2209-2214	2.4	38
174	Lignin Degradation by Fusarium solani f. sp. glycines. <i>Plant Disease</i> , 2006 , 90, 77-82	1.5	38
173	Predicting Water Quality during Dredging and Disposal of Contaminated Sediments from the Sitcum Waterway in Commencement Bay, Washington, USA. <i>Water Science and Technology</i> , 1993 , 28, 237-254	2.2	38
172	Identification and map location of TTR1, a single locus in Arabidopsis thaliana that confers tolerance to tobacco ringspot nepovirus. <i>Molecular Plant-Microbe Interactions</i> , 1996 , 9, 729-35	3.6	38
171	Response of soybean pathogens to glyceollin. <i>Phytopathology</i> , 2010 , 100, 897-903	3.8	37
170	Quantification of Fusarium solani f. sp. glycines isolates in soybean roots by colony-forming unit assays and real-time quantitative PCR. <i>Theoretical and Applied Genetics</i> , 2008 , 117, 343-52	6	37
169	Irrigation and Inoculation Treatments that Increase the Severity of Soybean Sudden Death Syndrome in the Field. <i>Crop Science</i> , 2006 , 46, 2547-2554	2.4	37
168	Viability staining of soybean suspension-cultured cells and a seedling stem cutting assay to evaluate phytotoxicity of Fusarium solani f. sp. glycines culture filtrates. <i>Plant Cell Reports</i> , 1999 , 18, 375-380	5.1	37
167	A Coordinated Effort to Manage Soybean Rust in North America: A Success Story in Soybean Disease Monitoring. <i>Plant Disease</i> , 2014 , 98, 864-875	1.5	36
166	The importance of phenolic metabolism to limit the growth of Phakopsora pachyrhizi. <i>Phytopathology</i> , 2009 , 99, 1412-20	3.8	36
165	Biochemical Response of Soybean Roots to Fusarium solani f. sp. glycines Infection. <i>Crop Science</i> , 2004 , 44, 819	2.4	36
164	Sources of Resistance to Soybean Rust in Perennial Glycine Species. <i>Plant Disease</i> , 1992 , 76, 396	1.5	36
163	Similarities in Seed and Aphid Transmission Among Soybean mosaic virus Isolates. <i>Plant Disease</i> , 2007 , 91, 546-550	1.5	35
162	Effect of crop rotation and tillage system on sclerotinia stem rot on soybean. <i>Canadian Journal of Plant Pathology</i> , 2002 , 24, 450-456	1.6	34

161	Evaluation of Soybean Germplasm for Resistance to Soybean Rust (<i>Phakopsora pachyrhizi</i>) in Nigeria. <i>Plant Disease</i> , 2008 , 92, 947-952	1.5	33
160	Comparison of Field, Greenhouse, and Detached-Leaf Evaluations of Soybean Germplasm for Resistance to <i>Phakopsora pachyrhizi</i> . <i>Plant Disease</i> , 2007 , 91, 1161-1169	1.5	33
159	Glyceollin is an important component of soybean plant defense against <i>Phytophthora sojae</i> and <i>Macrophomina phaseolina</i> . <i>Phytopathology</i> , 2013 , 103, 984-94	3.8	32
158	Characterization of Insect Resistance Loci in the USDA Soybean Germplasm Collection Using Genome-Wide Association Studies. <i>Frontiers in Plant Science</i> , 2017 , 8, 670	6.2	32
157	Multiple loci condition seed transmission of soybean mosaic virus (SMV) and SMV-induced seed coat mottling in soybean. <i>Phytopathology</i> , 2011 , 101, 750-6	3.8	32
156	Pathogenic variation of <i>Phakopsora pachyrhizi</i> infecting soybean in Nigeria. <i>Phytopathology</i> , 2009 , 99, 353-61	3.8	32
155	Response of Commercially Developed Soybean Cultivars and the Ancestral Soybean Lines to <i>Fusarium solani</i> f. sp. <i>glycines</i> . <i>Plant Disease</i> , 2003 , 87, 827-831	1.5	32
154	Evaluation of <i>Glycine max</i> Germ Plasm for Resistance to <i>Fusarium solani</i> f. sp. <i>glycines</i> . <i>Plant Disease</i> , 2002 , 86, 741-746	1.5	32
153	From Select Agent to an Established Pathogen: The Response to <i>Phakopsora pachyrhizi</i> (Soybean Rust) in North America. <i>Phytopathology</i> , 2015 , 105, 905-16	3.8	31
152	Pathogenic Variation of <i>Phakopsora pachyrhizi</i> Isolates on Soybean in the United States from 2006 to 2009. <i>Plant Disease</i> , 2012 , 96, 75-81	1.5	31
151	Sources of Soybean Rust Resistance Challenged with Single-Spored Isolates of <i>Phakopsora pachyrhizi</i> . <i>Crop Science</i> , 2009 , 49, 1781-1785	2.4	31
150	Interactions Between the Soybean Cyst Nematode and <i>Fusarium solani</i> f. sp. <i>glycines</i> Based on Greenhouse Factorial Experiments. <i>Phytopathology</i> , 2006 , 96, 1409-15	3.8	31
149	Variability and transmission by <i>Aphis glycines</i> of North American and Asian Soybean mosaic virus isolates. <i>Archives of Virology</i> , 2003 , 148, 1925-41	2.6	31
148	Mosquito microbiota cluster by host sampling location. <i>Parasites and Vectors</i> , 2018 , 11, 468	4	30
147	Evaluation of USDA Soybean Germplasm Accessions for Resistance to Soybean Rust in the Southern United States. <i>Crop Science</i> , 2011 , 51, 678-693	2.4	30
146	Occurrence of <i>Sclerotinia sclerotiorum</i> in Soybean Fields in East-Central Illinois and Enumeration of Inocula in Soybean Seed Lots. <i>Plant Disease</i> , 1998 , 82, 560-564	1.5	30
145	Identification of quantitative trait loci controlling gene expression during the innate immunity response of soybean. <i>Plant Physiology</i> , 2011 , 157, 1975-86	6.6	29
144	Detection of soybean rust using a multispectral image sensor. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009 , 3, 49-56		29

143	Multi-Year Evaluation of Commercial Soybean Cultivars for Resistance to <i>Phytophthora sojae</i> . <i>Plant Disease</i> , 2010 , 94, 368-371	1.5	29
142	Response of Ancestral Soybean Lines and Commercial Cultivars to <i>Rhizoctonia</i> Root and Hypocotyl Rot. <i>Plant Disease</i> , 2001 , 85, 1091-1095	1.5	29
141	Molecular Differentiation of <i>Fusarium solani</i> f. sp. <i>glycines</i> from Other <i>F. solani</i> Based on Mitochondrial Small Subunit rDNA Sequences. <i>Phytopathology</i> , 2000 , 90, 491-7	3.8	29
140	Development of Sclerotia and Apothecia of <i>Sclerotinia sclerotiorum</i> from Infected Soybean Seed and Its Control by Fungicide Seed Treatment. <i>Plant Disease</i> , 1999 , 83, 1113-1115	1.5	29
139	A Cut-Stem Inoculation Technique to Evaluate Soybean for Resistance to <i>Macrophomina phaseolina</i> . <i>Plant Disease</i> , 2012 , 96, 1210-1215	1.5	28
138	Gene Expression Profiling Soybean Stem Tissue Early Response to <i>Sclerotinia sclerotiorum</i> and In Silico Mapping in Relation to Resistance Markers. <i>Plant Genome</i> , 2009 , 2,	4.4	28
137	Phytotoxicity of <i>Fusarium solani</i> culture filtrates from soybeans and other hosts assayed by stem cuttings. <i>Australasian Plant Pathology</i> , 2004 , 33, 9	1.4	28
136	Current status of soybean rust control by fungicides. <i>Outlooks on Pest Management</i> , 2003 , 14, 197		28
135	Incidence of <i>Colletotrichum</i> spp. on Soybeans and Weeds in Illinois and Pathogenicity of <i>Colletotrichum truncatum</i> . <i>Plant Disease</i> , 1986 , 70, 780	1.5	28
134	Characterization of <i>Pythium</i> spp. from soil samples in Illinois. <i>Canadian Journal of Plant Pathology</i> , 2012 , 34, 448-454	1.6	27
133	Identification of novel double-stranded RNA mycoviruses of <i>Fusarium virguliforme</i> and evidence of their effects on virulence. <i>Archives of Virology</i> , 2014 , 159, 349-52	2.6	24
132	Evaluation of Ancestral Lines of U.S. Soybean Cultivars for Resistance to Four Soybean Viruses. <i>Crop Science</i> , 2005 , 45, 639-644	2.4	24
131	Differential Reactions of Soybean Isolines With Combinations of Aphid Resistance Genes <i>Rag1</i> , <i>Rag2</i> , and <i>Rag3</i> to Four Soybean Aphid Biotypes. <i>Journal of Economic Entomology</i> , 2016 , 109, 1431-1437 ^{2.2}		23
130	Effect of fungicide seed treatments on <i>Fusarium virguliforme</i> infection of soybean and development of sudden death syndrome. <i>Canadian Journal of Plant Pathology</i> , 2015 , 37, 435-447	1.6	23
129	Seed Populations of <i>Striga</i> Species in Nigeria. <i>Plant Disease</i> , 1991 , 75, 494	1.5	23
128	<i>Colletotrichum incanum</i> sp. nov., a curved-conidial species causing soybean anthracnose in USA. <i>Mycologia</i> , 2014 , 106, 32-42	2.4	22
127	Field Evaluation of Green Stem Disorder in Soybean Cultivars. <i>Crop Science</i> , 2006 , 46, 879-885	2.4	22
126	Influence of herbicides on <i>Rhizoctonia</i> root and hypocotyl rot of soybean. <i>Crop Protection</i> , 2002 , 21, 679-687	2.6	22

125	Assembly and annotation of a draft genome sequence for <i>Glycine latifolia</i> , a perennial wild relative of soybean. <i>Plant Journal</i> , 2018 , 95, 71-85	6.9	21
124	Suppression of Soilborne Diseases of Soybean With Cover Crops. <i>Plant Disease</i> , 2017 , 101, 1918-1928	1.5	21
123	Genome-wide association and genomic prediction identifies soybean cyst nematode resistance in common bean including a syntenic region to soybean locus. <i>Horticulture Research</i> , 2019 , 6, 9	7.7	21
122	Resistance to Charcoal Rot Identified in Ancestral Soybean Germplasm. <i>Crop Science</i> , 2015 , 55, 1230-1235	5.4	20
121	Estimating Soybean Genetic Gain for Yield in the Northern United States: Influence of Cropping History. <i>Crop Science</i> , 2013 , 53, 2473-2482	2.4	20
120	Genetic structure and diversity of <i>Phakopsora pachyrhizi</i> isolates from soybean. <i>Plant Pathology</i> , 2011 , 60, 719-729	2.8	20
119	Soybean mosaic virus helper component-protease enhances somatic embryo production and stabilizes transgene expression in soybean. <i>Plant Physiology and Biochemistry</i> , 2005 , 43, 1014-21	5.4	20
118	Multilaboratory Comparison of Quantitative PCR Assays for Detection and Quantification of <i>Fusarium virguliforme</i> from Soybean Roots and Soil. <i>Phytopathology</i> , 2015 , 105, 1601-11	3.8	19
117	Exogenous Controls Increase Negative Call Veracity in Multiplexed, Quantitative PCR Assays for <i>Phakopsora pachyrhizi</i> . <i>Plant Disease</i> , 2011 , 95, 343-352	1.5	19
116	Soybean mosaic virus Helper Component-Protease Alters Leaf Morphology and Reduces Seed Production in Transgenic Soybean Plants. <i>Phytopathology</i> , 2007 , 97, 366-72	3.8	19
115	Regulation of plant immunity through modulation of phytoalexin synthesis. <i>Molecules</i> , 2014 , 19, 7480-96	6.8	18
114	Dynamics of Soybean Rust Epidemics in Sequential Plantings of Soybean Cultivars in Nigeria. <i>Plant Disease</i> , 2011 , 95, 43-50	1.5	18
113	Green Stem Disorder of Soybean. <i>Plant Disease</i> , 2006 , 90, 513-518	1.5	18
112	Genome-wide association and genomic prediction identifies associated loci and predicts the sensitivity of Tobacco ringspot virus in soybean plant introductions. <i>BMC Genomics</i> , 2016 , 17, 153	4.5	17
111	A Public Program to Evaluate Commercial Soybean Cultivars for Pathogen and Pest Resistance. <i>Plant Disease</i> , 2013 , 97, 568-578	1.5	17
110	Culturing <i>Phakopsora pachyrhizi</i> on Detached Leaves and Urediniospore Survival at Different Temperatures and Relative Humidities. <i>Plant Disease</i> , 2010 , 94, 1453-1460	1.5	17
109	Inheritance of soybean aphid resistance in 21 soybean plant introductions. <i>Theoretical and Applied Genetics</i> , 2014 , 127, 43-50	6	16
108	Two species of symbiotic bacteria present in the soybean aphid (Hemiptera: Aphididae). <i>Environmental Entomology</i> , 2009 , 38, 110-5	2.1	16

107	Distribution of Leaf-Feeding Beetles and Bean pod mottle virus (BPMV) in Illinois and Transmission of BPMV in Soybean. <i>Plant Disease</i> , 2003 , 87, 1221-1225	1.5	16
106	Characterization and quantification of fungal colonization of <i>Phakopsora pachyrhizi</i> in soybean genotypes. <i>Phytopathology</i> , 2014 , 104, 86-94	3.8	15
105	Melanin-independent accumulation of turgor pressure in appressoria of <i>Phakopsora pachyrhizi</i> . <i>Phytopathology</i> , 2014 , 104, 977-84	3.8	15
104	Comparison of Pathogenic Variation among <i>Phakopsora pachyrhizi</i> Isolates Collected from the United States and International Locations, and Identification of Soybean Genotypes Resistant to the U.S. Isolates. <i>Plant Disease</i> , 2015 , 99, 1059-1069	1.5	15
103	Quality of Harvested Seed Associated with Soybean Cultivars and Herbicides Under Weed-Free Conditions. <i>Plant Disease</i> , 2002 , 86, 1036-1042	1.5	15
102	First Report of <i>Phakopsora pachyrhizi</i> Adapting to Soybean Genotypes with Rpp1 or Rpp6 Rust Resistance Genes in Field Plots in the United States. <i>Plant Disease</i> , 2013 , 97, 1379	1.5	15
101	Effect of Fungicide Application and Cultivar on Soybean Green Stem Disorder. <i>Plant Disease</i> , 2013 , 97, 1212-1220	1.5	14
100	Effect of <i>Fusarium virguliforme</i> phytotoxin on soybean gene expression suggests a role in multidimensional defence. <i>Molecular Plant Pathology</i> , 2013 , 14, 293-307	5.7	14
99	Evaluation of Artificial Diets for Rearing <i>Aphis glycines</i> (Hemiptera: Aphididae). <i>Journal of Economic Entomology</i> , 2008 , 101, 1228-1232	2.2	14
98	Evaluation of Soybean, Dry Bean, and Sunflower for Resistance to <i>Sclerotinia sclerotiorum</i> . <i>Crop Science</i> , 2004 , 44, 777	2.4	14
97	Delayed Senescence in Soybean: Terminology, Research Update, and Survey Results from Growers. <i>Plant Health Progress</i> , 2016 , 17, 76-83	1.2	14
96	Methods and Evaluation of Soybean Genotypes for Resistance to <i>Colletotrichum truncatum</i> . <i>Plant Disease</i> , 2015 , 99, 143-148	1.5	13
95	Production of <i>Macrophomina phaseolina</i> Conidia by Multiple Soybean Isolates in Culture. <i>Plant Disease</i> , 2010 , 94, 1088-1092	1.5	13
94	Identifying differentially expressed genes in leaves of <i>Glycine tomentella</i> in the presence of the fungal pathogen <i>Phakopsora pachyrhizi</i> . <i>Planta</i> , 2010 , 232, 1181-9	4.7	13
93	Physical Map Location of the Rps1-k Allele in Soybean. <i>Crop Science</i> , 2001 , 41, 1435-1438	2.4	13
92	Trichothecene-Producing Species Isolated from Soybean Roots in Ethiopia and Ghana and their Pathogenicity on Soybean. <i>Plant Disease</i> , 2019 , 103, 2070-2075	1.5	12
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85	Black Leaf Mold Development and Its Effect on Tomato Yield. <i>Plant Disease</i> , 1992 , 76, 462	1.5	12
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83	Boron and zinc deficiencies and toxicities and their interactions with other nutrients in soybean roots, leaves, and seeds. <i>Journal of Plant Nutrition</i> , 2019 , 42, 634-649	2.3	11
82	Evaluation of Disease and Pest Damage on Soybean Cultivars Released from 1923 through 2008 under Field Conditions in Central Illinois. <i>Agronomy Journal</i> , 2015 , 107, 2373-2380	2.2	11
81	Registration of Eight Soybean Germplasm Lines Resistant to Soybean Rust. <i>Journal of Plant Registrations</i> , 2014 , 8, 96-101	0.7	11
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78	Occurrences of Soybean Viruses, Fungal Diseases, and Pests in Illinois Soybean Rust Sentinel Plots. <i>Plant Health Progress</i> , 2010 , 11, 44	1.2	10
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73	Red Leaf Blotch of Soybeans. <i>Plant Disease</i> , 1987 , 71, 113	1.5	10
72	Characterization and genetics of multiple soybean aphid biotype resistance in five soybean plant introductions. <i>Theoretical and Applied Genetics</i> , 2017 , 130, 1335-1348	6	9

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65	Whole-genome resequencing identifies quantitative trait loci associated with mycorrhizal colonization of soybean. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 409-417	6	9
64	Antagonism of Trichoderma-based biofungicides against Brazilian and North American isolates of Sclerotinia sclerotiorum and growth promotion of soybean. <i>BioControl</i> , 2020 , 65, 235-246	2.3	9
63	Characterization of Soybean Genes in Susceptibility to Foliar Chlorosis of Sudden Death Syndrome. <i>Plant Physiology</i> , 2019 , 180, 711-717	6.6	8
62	Soybean aphid biotype 1 genome: Insights into the invasive biology and adaptive evolution of a major agricultural pest. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 120, 103334	4.5	8
61	Identification of high-quality single-nucleotide polymorphisms in Glycine latifolia using a heterologous reference genome sequence. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 1627-38	6	8
60	Inhibitory effects of stilbenes on the growth of three soybean pathogens in culture. <i>Phytopathology</i> , 2014 , 104, 843-50	3.8	8
59	Carbon utilization profiles of Fusarium virguliforme isolates. <i>Canadian Journal of Microbiology</i> , 2010 , 56, 979-86	3.2	8
58	Comparisons of Visual Rust Assessments and DNA Levels of Phakopsora pachyrhizi in Soybean Genotypes Varying in Rust Resistance. <i>Plant Disease</i> , 2011 , 95, 1007-1012	1.5	8
57	A Greenhouse Technique for Assessing Phytophthora Root Rot Resistance in Glycine max and G. soja. <i>Plant Disease</i> , 1997 , 81, 1112-1114	1.5	8
56	Pathogenicity and Virulence of Phytophthora capsici isolates from Taiwan on Tomatoes and Other Selected Hosts. <i>Plant Disease</i> , 1993 , 77, 588	1.5	8
55	First Report of Phakopsora pachyrhizi Causing Rust on Soybean in Malawi. <i>Plant Disease</i> , 2015 , 99, 420	1.5	8
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51	Soybean aphid intrabiotype variability based on colonization of specific soybean genotypes. <i>Insect Science</i> , 2015 , 22, 785-92	3.6	7
50	Stability of Soybean Aphid Resistance in Soybean Across Different Temperatures. <i>Crop Science</i> , 2014 , 54, 2557-2563	2.4	7
49	Evaluation of Soybean Cultivars, Williams' Isogenic Lines, and Other Selected Soybean Lines for Resistance to Two Soybean Mosaic Virus Strains. <i>Crop Science</i> , 2006 , 46, 2649-2653	2.4	7
48	Use of Aeroponic Chambers and Grafting to Study Partial Resistance to Fusarium solani f. sp. glycines in Soybean. <i>Plant Disease</i> , 2002 , 86, 1223-1226	1.5	7
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42	Red leaf blotch (Dactuliochaeta glycines) of soybeans (Glycine max) and its relationship to yield. <i>Plant Pathology</i> , 1996 , 45, 332-343	2.8	6
41	Dactuliochaeta, A New Genus for the Fungus Causing Red Leaf Blotch of Soybeans. <i>Mycologia</i> , 1988 , 80, 696-706	2.4	6
40	A novel, multiplexed, probe-based quantitative PCR assay for the soybean root- and stem-rot pathogen, Phytophthora sojae, utilizes its transposable element. <i>PLoS ONE</i> , 2017 , 12, e0176567	3.7	6
39	First Report of Colletotrichum chlorophyti Infecting Soybean Seed in Arkansas, United States. <i>Plant Disease</i> , 2013 , 97, 1510	1.5	6
38	The Soybean Aphid Suction Trap Network: Sampling the Aerobiological Soup. <i>American Entomologist</i> , 2020 , 66, 48-55	0.6	5
37	Cultural Studies on Dactuliochaeta glycines, the Causal Agent of Red Leaf Blotch of Soybeans. <i>Plant Disease</i> , 1992 , 76, 847	1.5	5
36	First Report of Paramyothecium roridum Causing Myrothecium Leaf Spot on Soybean in Africa. <i>Plant Disease</i> , 2018 , 102, 2638-2638	1.5	5

35	First Report of Soybean dwarf virus in Soybean in Northern Illinois. <i>Plant Disease</i> , 2007 , 91, 1686	1.5	5
34	First Report of Rust Caused by <i>Phakopsora pachyrhizi</i> on Soybean in Democratic Republic of Congo. <i>Plant Disease</i> , 2007 , 91, 1204	1.5	5
33	Genome wide association study identifies novel single nucleotide polymorphic loci and candidate genes involved in soybean sudden death syndrome resistance. <i>PLoS ONE</i> , 2019 , 14, e0212071	3.7	5
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21	Diverse Soybean Accessions Identified with Temperature-Sensitive Resistance to Tobacco Streak Virus. <i>Crop Science</i> , 2012 , 52, 738-744	2.4	3
20	First Report of Soybean Rust (<i>Phakopsora pachyrhizi</i>) on Florida Beggarweed (<i>Desmodium tortuosum</i>) in Alabama. <i>Plant Disease</i> , 2012 , 96, 1374	1.5	3
19	First Report of <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> Causing Bacterial Tan Spot on Soybean in Africa. <i>Plant Disease</i> , 2019 , 103, 2665-2665	1.5	3
18	Occurrence of Soybean Stem Canker (<i>Diaporthe phaseolorum</i> var. <i>meridionalis</i>) in Wisconsin. <i>Plant Disease</i> , 2004 , 88, 576	1.5	3

17	Association of Green Stem Disorder with Agronomic Traits in Soybean. <i>Agronomy Journal</i> , 2016 , 108, 2263-2268	2.2	3
16	Evaluation of wild perennial Glycine species for resistance to soybean cyst nematode and soybean rust. <i>Plant Breeding</i> , 2020 , 139, 923-931	2.4	2
15	Impact of Arbuscular Mycorrhizal Species on. <i>Plant Disease</i> , 2020 , 104, 2406-2410	1.5	2
14	Field evaluation of three sources of genetic resistance to sudden death syndrome of soybean. <i>Theoretical and Applied Genetics</i> , 2018 , 131, 1541-1552	6	2
13	First Report of Sclerotinia sclerotiorum Causing Stem Rot on Soybean (Glycine max) in Ethiopia. <i>Plant Disease</i> , 2019 , 103, 2676-2676	1.5	2
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9	First Report of Soybean Rust Caused by Phakopsora pachyrhizi on Pachyrhizus erosus in the United States. <i>Plant Disease</i> , 2011 , 95, 1034	1.5	1
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