Martin I Chilvers

List of Publications by Year
in descending order

124 papers	3,440 citations	201674 27 h-index	189892 50 g-index
126 all docs	126 docs citations	126 times ranked	3059 citing authors

#	Article	IF	Citations
1	Phytophthora sojae Pathotype Distribution and Fungicide Sensitivity in Michigan. Plant Disease, 2022, 106, 425-431.	1.4	9
2	Genomeâ€wide transcriptional response of the causal soybean sudden death syndrome pathogen <scp>Fusarium virguliforme</scp> to a succinate dehydrogenase inhibitor fluopyram. Pest Management Science, 2022, 78, 530-540.	3.4	5
3	Integration of Row Spacing, Seeding Rates, and Fungicide Applications for Control of Sclerotinia Stem Rot in Glycine max. Plant Disease, 2022, 106, 1183-1191.	1.4	8
4	First Report of Southern Rust (Puccinia polysora) on Corn (Zea mays) in Michigan. Plant Disease, 2022, , .	1.4	0
5	Non-target impacts of fungicide disturbance on phyllosphere yeasts in conventional and no-till management. ISME Communications, 2022, 2, .	4.2	18
6	Reduction of Pythium Damping-Off in Soybean by Biocontrol Seed Treatment. Plant Disease, 2022, 106, 2403-2414.	1.4	4
7	Ecology and diversity of culturable fungal species associated with soybean seedling diseases in the Midwestern United States. Journal of Applied Microbiology, 2022, 132, 3797-3811.	3.1	3
8	Oomicide treated soybean seeds reduce early season stand loss to Phytophthora sojae. Crop Protection, 2022, 157, 105984.	2.1	2
9	Phyllachora species infecting maize and other grass species in the Americas represents a complex of closely related species. Ecology and Evolution, 2022, 12, e8832.	1.9	6
10	Baseline sensitivity of Fusarium graminearum from wheat, corn, dry bean and soybean to pydiflumetofen in Michigan, USA. Crop Protection, 2021, 140, 105419.	2.1	19
11	Climatology of persistent high relative humidity: An example for the Lower Peninsula of Michigan, USA. International Journal of Climatology, 2021, 41, E2517.	3.5	1
12	Economic Impact of Fluopyram-Amended Seed Treatments to Reduce Soybean Yield Loss Associated with Sudden Death Syndrome. Plant Disease, 2021, 105, 78-86.	1.4	5
13	Influence of Fusarium virguliforme Temporal Colonization of Corn, Tillage, and Residue Management on Soybean Sudden Death Syndrome and Soybean Yield. Plant Disease, 2021, 105, 3250-3260.	1.4	0
14	Effects of Mowing, Seeding Rate, and Foliar Fungicide on Soybean Sclerotinia Stem Rot and Yield. Plant Health Progress, 2021, 22, 129-135.	1.4	6
15	Molecular mapping of quantitative disease resistance loci for soybean partial resistance to Phytophthora sansomeana. Theoretical and Applied Genetics, 2021, 134, 1977-1987.	3.6	9
16	A Î²â€lactamase gene of Fusarium oxysporum alters the rhizosphere microbiota of soybean. Plant Journal, 2021, 106, 1588-1604.	5.7	4
17	Meta-Analysis of Soybean Yield Response to Foliar Fungicides Evaluated from 2005 to 2018 in the United States and Canada. Plant Disease, 2021, 105, 1382-1389.	1.4	9
18	Influence of Soybean Tissue and Oomicide Seed Treatments on Oomycete Isolation. Plant Disease, 2021, 105, 1281-1288.	1.4	1

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19	Diaporthe Seed Decay of Soybean [Glycine max (L.) Merr.] Is Endemic in the United States, But New Fungi Are Involved. Plant Disease, 2021, 105, 1621-1629.	1.4	14
20	Preliminary evaluation of wild bean (Phaseolus spp.) germplasm for resistance to Fusarium cuneirostrum and Fusarium oxysporum. Crop Science, 2021, 61, 3264-3274.	1.8	4
21	Soybean Yield Loss Estimates Due to Diseases in the United States and Ontario, Canada, from 2015 to 2019. Plant Health Progress, 2021, 22, 483-495.	1.4	80
22	Integrating multiple inputs for soft red and white winter wheat. Agronomy Journal, 2021, 113, 4306.	1.8	2
23	Multi-location evaluation of fluopyram seed treatment and cultivar on root infection byFusarium virguliforme, foliar symptom development, and yield of soybean. Canadian Journal of Plant Pathology, 2020, 42, 192-202.	1.4	12
24	Diagnostic qPCR Assay to Detect Fusarium brasiliense, a Causal Agent of Soybean Sudden Death Syndrome and Root Rot of Dry Bean. Plant Disease, 2020, 104, 246-254.	1.4	6
25	Variation in soybean rhizosphere oomycete communities from Michigan fields with contrasting disease pressures. Applied Soil Ecology, 2020, 150, 103435.	4.3	14
26	Linkage Mapping for Foliar Necrosis of Soybean Sudden Death Syndrome. Phytopathology, 2020, 110, 907-915.	2.2	4
27	Documenting the Establishment, Spread, and Severity of Phyllachora maydis on Corn, in the United States. Journal of Integrated Pest Management, 2020, 11, .	2.0	12
28	Integrated Management of Important Soybean Pathogens of the United States in Changing Climate. Journal of Integrated Pest Management, 2020, 11, .	2.0	41
29	Phyllachora maydis Ascospore Release and Germination from Overwintered Corn Residue. Plant Health Progress, 2020, 21, 26-30.	1.4	21
30	Identification of Soybean (Glycine max) Check Lines for Evaluating Genetic Resistance to Sclerotinia Stem Rot. Plant Disease, 2020, 105, 2189-2195.	1.4	7
31	Corn Yield Loss Estimates Due to Diseases in the United States and Ontario, Canada, from 2016 to 2019. Plant Health Progress, 2020, 21, 238-247.	1.4	83
32	Resistance to Quinone Outside Inhibitor Fungicides Conferred by the G143A Mutation in Cercospora sojina (Causal Agent of Frogeye Leaf Spot) Isolates from Michigan, Minnesota, and Nebraska Soybean Fields. Plant Health Progress, 2020, 21, 230-231.	1.4	18
33	Root Crown Response to Fungal Root Rot in Phaseolus vulgaris Middle American Ã— Andean Lines. Plant Disease, 2020, 104, 3135-3142.	1.4	3
34	Fluopyram Suppresses Population Densities of Heterodera glycines in Field and Greenhouse Studies in Michigan. Plant Disease, 2020, 104, 1305-1311.	1.4	11
35	QTL mapping and GWAS for identification of loci conferring partial resistance to Pythium sylvaticum in soybean (Glycine max (L.) Merr). Molecular Breeding, 2020, 40, 1.	2.1	16
36	Tar Spot: An Understudied Disease Threatening Corn Production in the Americas. Plant Disease, 2020, 104, 2541-2550.	1.4	38

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37	Crop Management Impacts the Soybean (Glycine max) Microbiome. Frontiers in Microbiology, 2020, 11, 1116.	3.5	48
38	Relationship Between Sudden Death Syndrome caused by Fusarium virguliforme and Soybean Yield: A Meta-Analysis. Plant Disease, 2020, 104, 1736-1743.	1.4	4
39	Defining optimal soybean seeding rates and associated risk across North America. Agronomy Journal, 2020, 112, 2103-2114.	1.8	27
40	Registration of â€˜Cohoâ€™ light red kidney bean. Journal of Plant Registrations, 2020, 14, 134-138.	0.5	1
41	Integrated Effects of Genetic Resistance and Prothioconazole + Tebuconazole Application Timing on Fusarium Head Blight in Wheat. Plant Disease, 2019, 103, 223-237.	1.4	36
42	Identification of Fungal Communities Within the Tar Spot Complex of Corn in Michigan via Next-Generation Sequencing. Phytobiomes Journal, 2019, 3, 235-243.	2.7	28
43	hagis, an R Package Resource for Pathotype Analysis of Phytophthora sojae Populations Causing Stem and Root Rot of Soybean. Molecular Plant-Microbe Interactions, 2019, 32, 1574-1576.	2.6	17
44	Laser ablation tomography for visualization of root colonization by edaphic organisms. Journal of Experimental Botany, 2019, 70, 5327-5342.	4.8	62
45	Diversity and Characterization of Oomycetes Associated with Corn Seedlings in Michigan. Phytobiomes Journal, 2019, 3, 224-234.	2.7	26
46	Convergent Evolution of C239S Mutation in Pythium spp. Î²-Tubulin Coincides with Inherent Insensitivity to Ethaboxam and Implications for Other Peronosporalean Oomycetes. Phytopathology, 2019, 109, 2087-2095.	2.2	18
47	Predicting Soybean Yield and Sudden Death Syndrome Development Using At-Planting Risk Factors. Phytopathology, 2019, 109, 1710-1719.	2.2	8
48	A Sclerotinia sclerotiorum Transcription Factor Involved in Sclerotial Development and Virulence on Pea. MSphere, 2019, 4, .	2.9	10
49	A protoplast generation and transformation method for soybean sudden death syndrome causal agents Fusarium virguliforme and F. brasiliense. Fungal Biology and Biotechnology, 2019, 6, 7.	5.1	14
50	Meta-analysis of yield response of foliar fungicide-treated hybrid corn in the United States and Ontario, Canada. PLoS ONE, 2019, 14, e0217510.	2.5	29
51	Meta-Analytic and Economic Approaches for Evaluation of Pesticide Impact on Sclerotinia Stem Rot Control and Soybean Yield in the North Central United States. Phytopathology, 2019, 109, 1157-1170.	2.2	18
52	Characterization of Soybean STAY-GREEN Genes in Susceptibility to Foliar Chlorosis of Sudden Death Syndrome. Plant Physiology, 2019, 180, 711-717.	4.8	11
53	Effect of Seed Treatment and Foliar Crop Protection Products on Sudden Death Syndrome and Yield of Soybean. Plant Disease, 2019, 103, 1712-1720.	1.4	22
54	A High-Throughput Microtiter-Based Fungicide Sensitivity Assay for Oomycetes Using Zâ€²-Factor Statistic. Phytopathology, 2019, 109, 1628-1637.	2.2	9

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55	Determining the Soilborne Pathogens Associated with Root Rot Disease Complex of Dry Bean in Michigan. Plant Health Progress, 2019, 20, 122-127.	1.4	9
56	Different loci associated with root and foliar resistance to sudden death syndrome (Fusarium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	3.6	12
57	Soybean Sudden Death Syndrome Causal Agent Fusarium brasiliense Present in Michigan. Plant Disease, 2019, 103, 1234-1243.	1.4	20
58	Temporal Dynamics of Fusarium virguliforme Colonization of Soybean Roots. Plant Disease, 2019, 103, 19-27.	1.4	19
59	Population Structure of Pythium ultimum from Greenhouse Floral Crops in Michigan. Plant Disease, 2019, 103, 859-867.	1.4	3
60	Inoculation Method Impacts Symptom Development Associated with Diaporthe aspalathi, D. caulivora, and D. longicolla on Soybean (Glycine max). Plant Disease, 2019, 103, 677-684.	1.4	15
61	Identification of Pythium insidiosum complex by matrix-assisted laser desorption ionization-time of flight mass spectrometry. Journal of Medical Microbiology, 2019, 68, 574-584.	1.8	21
62	Spatiotemporal Distribution Pattern of Sclerotinia sclerotiorum Apothecia is Modulated by Canopy Closure and Soil Temperature in an Irrigated Soybean Field. Plant Disease, 2018, 102, 1794-1802.	1.4	11
63	Integration of sudden death syndrome resistance loci in the soybean genome. Theoretical and Applied Genetics, 2018, 131, 757-773.	3.6	19
64	Case Study of an Epidemiological Approach Dissecting Historical Soybean Sclerotinia Stem Rot Observations and Identifying Environmental Predictors of Epidemics and Yield Loss. Phytopathology, 2018, 108, 469-478.	2.2	15
65	Integrating GWAS and gene expression data for functional characterization of resistance to white mould in soya bean. Plant Biotechnology Journal, 2018, 16, 1825-1835.	8.3	60
66	Weather-Based Models for Assessing the Risk of Sclerotinia sclerotiorum Apothecial Presence in Soybean (Glycine max) Fields. Plant Disease, 2018, 102, 73-84.	1.4	30
67	Significant Influence of EC₅₀ Estimation by Model Choice and EC₅₀ Type. Plant Disease, 2018, 102, 708-714.	1.4	35
68	Benefits and Profitability of Fluopyram-Amended Seed Treatments for Suppressing Sudden Death Syndrome and Protecting Soybean Yield: A Meta-Analysis. Plant Disease, 2018, 102, 1093-1100.	1.4	26
69	Exploring the genetics of lesion and nodal resistance in pea (Pisum sativum L.) to Sclerotinia sclerotiorum using genomeâ€wide association studies and <scp>RNA</scp>â€Seq. Plant Direct, 2018, 2, e00064.	1.9	14
70	Registration of â€˜Red Cedarâ€™ Dark Red Kidney Bean. Journal of Plant Registrations, 2018, 12, 199-202.	0.5	1
71	Mapping Quantitative Trait Loci for Tolerance to Pythium irregulare in Soybean (Glycine max L.). G3: Genes, Genomes, Genetics, 2018, 8, 3155-3161.	1.8	14
72	Fluopyram Sensitivity and Functional Characterization of SdhB in the Fusarium solani Species Complex Causing Soybean Sudden Death Syndrome. Frontiers in Microbiology, 2018, 9, 2335.	3.5	19

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73	QTL mapping and epistatic interaction analysis of field resistance to sudden death syndrome (Fusarium) Tj ETQq1 1 0.784314 rgBT /Ove	3.6	14
74	Using a Genome-Based PCR Primer Prediction Pipeline to Develop Molecular Diagnostics for the Turfgrass Pathogen Acidovorax avenae. Plant Disease, 2018, 102, 2224-2232.	1.4	3
75	Leaf and Canopy Level Detection of Fusarium Virguliforme (Sudden Death Syndrome) in Soybean. Remote Sensing, 2018, 10, 426.	4.0	45
76	Annotation resource of tandem repeat-containing secretory proteins in sixty fungi. Fungal Genetics and Biology, 2018, 119, 7-19.	2.1	2
77	QTL Analysis of Fusarium Root Rot Resistance in an Andean Ã— Middle American Common Bean RIL Population. Crop Science, 2018, 58, 1166-1180.	1.8	18
78	Profitability and efficacy of soybean seed treatment in Michigan. Crop Protection, 2018, 114, 44-52.	2.1	21
79	Validating Sclerotinia sclerotiorum Apothecial Models to Predict Sclerotinia Stem Rot in Soybean (Glycine max) Fields. Plant Disease, 2018, 102, 2592-2601.	1.4	17
80	First Report of Fusarium brasiliense Causing Root Rot of Dry Bean in the United States. Plant Disease, 2018, 102, 2035.	1.4	12
81	First Report of Fusarium cuneirostrum Causing Root Rot of Common Bean (Phaseolus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	3
82	Oomycete Species Associated with Soybean Seedlings in North Americaâ€”Part II: Diversity and Ecology in Relation to Environmental and Edaphic Factors. Phytopathology, 2017, 107, 293-304.	2.2	83
83	Development and Application of qPCR and RPA Genus- and Species-Specific Detection of Phytophthora sojae and P. sansomeana Root Rot Pathogens of Soybean. Plant Disease, 2017, 101, 1171-1181.	1.4	51
84	Baseline Sensitivity of Fusarium virguliforme to Fluopyram Fungicide. Plant Disease, 2017, 101, 576-582.	1.4	26
85	Recombination of Virulence Genes in Divergent Acidovorax avenae Strains That Infect a Common Host. Molecular Plant-Microbe Interactions, 2017, 30, 813-828.	2.6	15
86	Genetic Diversity of Stenocarpella maydis in the Major Corn Production Areas of the United States. Plant Disease, 2017, 101, 2020-2026.	1.4	3
87	Effect of Soybean Cyst Nematode Resistance Source and Seed Treatment on Population Densities of Heterodera glycines, Sudden Death Syndrome, and Yield of Soybean. Plant Disease, 2017, 101, 2137-2143.	1.4	26
88	Oomycete Species Associated with Soybean Seedlings in North Americaâ€”Part I: Identification and Pathogenicity Characterization. Phytopathology, 2017, 107, 280-292.	2.2	99
89	Response of Broadâ€Spectrum and Targetâ€Specific Seed Treatments and Seeding Rate on Soybean Seed Yield, Profitability, and Economic Risk. Crop Science, 2017, 57, 2251-2262.	1.8	34
90	Soybean Yield Loss Estimates Due to Diseases in the United States and Ontario, Canada, from 2010 to 2014. Plant Health Progress, 2017, 18, 19-27.	1.4	323

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91	Corn Yield Loss Estimates Due to Diseases in the United States and Ontario, Canada from 2012 to 2015. Plant Health Progress, 2016, 17, 211-222.	1.4	135
92	Effect of Seed Treatment on Early Season Brown Spot Caused by Septoria glycines of Soybean. Plant Health Progress, 2016, 17, 223-228.	1.4	5
93	Fungicide and Cultivar Effects on Sudden Death Syndrome and Yield of Soybean. Plant Disease, 2016, 100, 1339-1350.	1.4	62
94	MultispeQ Beta: a tool for large-scale plant phenotyping connected to the open PhotosynQ network. Royal Society Open Science, 2016, 3, 160592.	2.4	232
95	Development and characterization of microsatellite markers for Fusarium virguliforme and their utility within clade 2 of the Fusarium solani species complex. Fungal Ecology, 2016, 20, 7-14.	1.6	17
96	Multilaboratory Comparison of Quantitative PCR Assays for Detection and Quantification of Fusarium virguliforme from Soybean Roots and Soil. Phytopathology, 2015, 105, 1601-1611.	2.2	25
97	Association of Diaporthe longicolla with Black Zone Lines on Mature Soybean Plants. Plant Health Progress, 2015, 16, 118-122.	1.4	19
98	Effect of Glyphosate Application on Sudden Death Syndrome of Glyphosate-Resistant Soybean Under Field Conditions. Plant Disease, 2015, 99, 347-354.	1.4	32
99	Improved Diagnoses and Quantification of Fusarium virguliforme, Causal Agent of Soybean Sudden Death Syndrome. Phytopathology, 2015, 105, 378-387.	2.2	43
100	Characterization of mating type genes supports the hypothesis that Stagonosporopsis chrysanthemi is homothallic and provides evidence that Stagonosporopsis tanaceti is heterothallic. Current Genetics, 2014, 60, 295-302.	1.7	15
101	Genome-wide association mapping of quantitative resistance to sudden death syndrome in soybean. BMC Genomics, 2014, 15, 809.	2.8	164
102	A Coordinated Effort to Manage Soybean Rust in North America: A Success Story in Soybean Disease Monitoring. Plant Disease, 2014, 98, 864-875.	1.4	46
103	Development of sequence characterized amplified genomic regions (SCAR) for fungal systematics: proof of principle using Alternaria, Ascochyta and Tilletia. Mycologia, 2013, 105, 1077-1086.	1.9	17
104	Development and characterization of 37 novel ESTâ€SSR markers in Pisum sativum (Fabaceae). Applications in Plant Sciences, 2013, 1, 1200249.	2.1	10
105	Biology, Yield loss and Control of Sclerotinia Stem Rot of Soybean. Journal of Integrated Pest Management, 2012, 3, 1-7.	2.0	181
106	Rapid transcriptome characterization and parsing of sequences in a non-model host-pathogen interaction; pea-Sclerotinia sclerotiorum. BMC Genomics, 2012, 13, 668.	2.8	27
107	Karyotype polymorphism and chromosomal rearrangement in populations of the phytopathogenic fungus, Ascochyta rabiei. Fungal Biology, 2012, 116, 1119-1133.	2.5	20
108	Development, characterization and linkage analysis of microsatellite loci for the Ascochyta blight pathogen of faba bean, Didymella fabae. Journal of Microbiological Methods, 2011, 87, 128-130.	1.6	4

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109	Identification and function of a polyketide synthase gene responsible for 1,8-dihydroxynaphthalene-melanin pigment biosynthesis in Ascochyta rabiei. Current Genetics, 2010, 56, 349-360.	1.7	28
110	Ecological Genetic Divergence of the Fungal PathogenDidymella rabieion Sympatric Wild and DomesticatedCicerspp. (Chickpea). Applied and Environmental Microbiology, 2010, 76, 30-39.	3.1	45
111	Ascochyta blight of chickpea reduced 38% by application ofAureobasidium pullulans(anamorphic Dothioraceae, Dothideales) to post-harvest debris. Biocontrol Science and Technology, 2009, 19, 537-545.	1.3	4
112	Didymella pisi sp. nov., the teleomorph of Ascochyta pisi. Mycological Research, 2009, 113, 391-400.	2.5	65
113	Development of codominant simple sequence repeat, single nucleotide polymorphism and sequence characterized amplified region markers for the pea root rot pathogen, Aphanomyces euteiches. Journal of Microbiological Methods, 2007, 71, 82-86.	1.6	8
114	A Real-Time, Quantitative PCR Seed Assay for Botrytis spp. that Cause Neck Rot of Onion. Plant Disease, 2007, 91, 599-608.	1.4	71
115	Didymella rabieiprimary inoculum release from chickpea debris in relation to weather variables in the Pacific Northwest of the United States. Canadian Journal of Plant Pathology, 2007, 29, 365-371.	1.4	11
116	First Report of Ascochyta Blight of Pisum elatius (Wild Pea) in the Republic of Georgia Caused by Ascochyta pisi. Plant Disease, 2007, 91, 326-326.	1.4	6
117	Detection and Identification ofBotrytisSpecies Associated with Neck Rot, Scape Blight, and Umbel Blight of Onion. Plant Health Progress, 2006, 7, .	1.4	35
118	Host Specificity of Ascochyta spp. Infecting Legumes of the Viciae and Cicerae Tribes and Pathogenicity of an Interspecific Hybrid. Phytopathology, 2006, 96, 1148-1156.	2.2	42
119	Influence of benzimidazole fungicides on incidence of Botrytis allii infection of onion leaves and subsequent incidence of onion neck rot in storage in Tasmania, Australia. Australian Journal of Experimental Agriculture, 2006, 46, 1661.	1.0	6
120	Cloning of the mating type locus from Ascochyta lentis (teleomorph: Didymella lentis) and development of a multiplex PCR mating assay for Ascochyta species. Current Genetics, 2006, 50, 203-215.	1.7	26
121	Characterisation of Botrytis species associated with neck rot of onion in Australia. Australasian Plant Pathology, 2004, 33, 29.	1.0	8
122	Survey for Botrytis species associated with onion bulb rot in northern Tasmania, Australia. Australasian Plant Pathology, 2004, 33, 419.	1.0	6
123	Genetic mapping of host resistance to soybean sudden death syndrome. Crop Science, 0, , .	1.8	0
124	Comparison Between Prothioconazole and Prothioconazole-Desthio in Poison-Plate Mycelial Growth Assays of Fusarium graminearum. Plant Health Progress, 0, , .	1.4	3