

Sarah J Pethybridge

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

3,409
citations

331538

21
h-index

175177

52
g-index

110
all docs

110
docs citations

110
times ranked

3461
citing authors

#	ARTICLE	IF	CITATIONS
1	The global burden of pathogens and pests on major food crops. <i>Nature Ecology and Evolution</i> , 2019, 3, 430-439.	3.4	1,731
2	Leaf Doctor: A New Portable Application for Quantifying Plant Disease Severity. <i>Plant Disease</i> , 2015, 99, 1310-1316.	0.7	140
3	Standard Area Diagrams for Aiding Severity Estimation: Scientometrics, Pathosystems, and Methodological Trends in the Last 25 Years. <i>Phytopathology</i> , 2017, 107, 1161-1174.	1.1	78
4	Perceptions of Risk, Risk Aversion, and Barriers to Adoption of Decision Support Systems and Integrated Pest Management: An Introduction. <i>Phytopathology</i> , 2011, 101, 640-643.	1.1	73
5	Diseases of Pyrethrum in Tasmania: Challenges and Prospects for Management. <i>Plant Disease</i> , 2008, 92, 1260-1272.	0.7	53
6	Stagonosporopsis spp. associated with ray blight disease of Asteraceae. <i>Australasian Plant Pathology</i> , 2012, 41, 675-686.	0.5	50
7	Spatiotemporal Description of Epidemics Caused by <i>Phoma ligulicola</i> in Tasmanian Pyrethrum Fields. <i>Phytopathology</i> , 2005, 95, 648-658.	1.1	49
8	Draft genome sequences of <i>Chrysosporthe austroafricana</i> , <i>Diplodia scrobiculata</i> , <i>Fusarium nygamai</i> , <i>Leptographium lundbergii</i> , <i>Limonomyces culmigenus</i> , <i>Stagonosporopsis tanacetii</i> , and <i>Thielaviopsis punctulata</i> . <i>IMA Fungus</i> , 2015, 6, 233-248.	1.7	46
9	Insights Into the Ecology of <i>Grapevine red blotch virus</i> in a Diseased Vineyard. <i>Phytopathology</i> , 2018, 108, 94-102.	1.1	44
10	Meta-analytic modelling of the incidence-yield and incidence-sclerotial production relationships in soybean white mould epidemics. <i>Plant Pathology</i> , 2017, 66, 460-468.	1.2	39
11	<i>Cercospora beticola</i> : The intoxicating lifestyle of the leaf spot pathogen of sugar beet. <i>Molecular Plant Pathology</i> , 2020, 21, 1020-1041.	2.0	39
12	Development of a Fungicide-Based Management Strategy for Foliar Disease Caused by <i>Phoma ligulicola</i> in Tasmanian Pyrethrum Fields. <i>Plant Disease</i> , 2005, 89, 1114-1120.	0.7	37
13	Genotypic Diversity and Resistance to Azoxystrobin of <i>Cercospora beticola</i> on Processing Table Beet in New York. <i>Plant Disease</i> , 2016, 100, 1466-1473.	0.7	37
14	Draft genome sequence of <i>Annulohypoxyton stygium</i> , <i>Aspergillus mulundensis</i> , <i>Berkeleyomyces basicola</i> (syn. <i>Thielaviopsis basicola</i>), <i>Ceratocystis smalleyi</i> , two <i>Cercospora beticola</i> strains, <i>Coleophoma cylindrospora</i> , <i>Fusarium fracticaudum</i> , <i>Phialophora</i> cf. <i>hyalina</i> , and <i>Morchella septimelata</i> . <i>IMA Fungus</i> , 2018, 9, 199-223.	1.7	37
15	Spatiotemporal spread of grapevine red blotch-associated virus in a California vineyard. <i>Virus Research</i> , 2017, 241, 156-162.	1.1	36
16	Seedborne Infection of Pyrethrum by <i>Phoma ligulicola</i> . <i>Plant Disease</i> , 2006, 90, 891-897.	0.7	29
17	Changes in Distribution and Frequency of Fungi Associated With a Foliar Disease Complex of Pyrethrum in Australia. <i>Plant Disease</i> , 2015, 99, 1227-1235.	0.7	28
18	Independently founded populations of <i>Sclerotinia sclerotiorum</i> from a tropical and a temperate region have similar genetic structure. <i>PLoS ONE</i> , 2017, 12, e0173915.	1.1	28

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19	A phytopathometry glossary for the twenty-first century: towards consistency and precision in intra- and inter-disciplinary dialogues. <i>Tropical Plant Pathology</i> , 2022, 47, 14-24.	0.8	27
20	Challenges and Prospects for Building Resilient Disease Management Strategies and Tactics for the New York Table Beet Industry. <i>Agronomy</i> , 2018, 8, 112.	1.3	26
21	Genetic structure of <i>Cercospora beticola</i> populations on <i>Beta vulgaris</i> in New York and Hawaii. <i>Scientific Reports</i> , 2017, 7, 1726.	1.6	25
22	De novo genome assembly of <i>Cercospora beticola</i> for microsatellite marker development and validation. <i>Fungal Ecology</i> , 2017, 26, 125-134.	0.7	24
23	Management of <i>Cercospora</i> Leaf Spot in Conventional and Organic Table Beet Production. <i>Plant Disease</i> , 2017, 101, 1642-1651.	0.7	22
24	Emergence of <i>Stemphylium</i> Leaf Blight of Onion in New York Associated With Fungicide Resistance. <i>Plant Disease</i> , 2019, 103, 3083-3092.	0.7	22
25	Sensitivity and Efficacy of Boscalid, Fluazinam, and Thiophanate-Methyl for White Mold Control in Snap Bean in New York. <i>Plant Disease</i> , 2017, 101, 1253-1258.	0.7	21
26	Improving Fungicide-Based Management of Ray Blight Disease in Tasmanian Pyrethrum Fields. <i>Plant Disease</i> , 2008, 92, 887-895.	0.7	19
27	Global genotype flow in <i>Cercospora beticola</i> populations confirmed through genotyping-by-sequencing. <i>PLoS ONE</i> , 2017, 12, e0186488.	1.1	19
28	Spatial characteristics of white mould epidemics and the development of sequential sampling plans in Australian bean fields. <i>Plant Pathology</i> , 2011, 60, 1169-1182.	1.2	18
29	Identification of the MAT1 locus in <i>Stagonosporopsis tanacetii</i> , and exploring its potential for sexual reproduction in Australian pyrethrum fields. <i>Fungal Biology</i> , 2015, 119, 408-419.	1.1	18
30	Tan spot of pyrethrum is caused by a <i>Didymella</i> species complex. <i>Plant Pathology</i> , 2016, 65, 1170-1184.	1.2	18
31	Characterization of the Spatiotemporal Attributes of <i>Sclerotinia</i> Flower Blight Epidemics in a Perennial Pyrethrum Pathosystem. <i>Plant Disease</i> , 2010, 94, 1305-1313.	0.7	16
32	Prediction of Potato Tuber Damage by Root-Knot Nematodes using Quantitative DNA Assay of Soil. <i>Plant Disease</i> , 2016, 100, 592-600.	0.7	16
33	Cryptic diversity, pathogenicity, and evolutionary species boundaries in <i>Cercospora</i> populations associated with <i>Cercospora</i> leaf spot of <i>Beta vulgaris</i> . <i>Fungal Biology</i> , 2018, 122, 264-282.	1.1	16
34	Temporal Genetic Differentiation of <i>Cercospora beticola</i> Populations in New York Table Beet Fields. <i>Plant Disease</i> , 2018, 102, 2074-2082.	0.7	16
35	<i>Stemphylium</i> Leaf Blight: A Re-Emerging Threat to Onion Production in Eastern North America. <i>Plant Disease</i> , 2021, 105, 3780-3794.	0.7	16
36	Comparison of UAS-Based Structure-from-Motion and LiDAR for Structural Characterization of Short Broadacre Crops. <i>Remote Sensing</i> , 2021, 13, 3975.	1.8	16

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37	Characterization of mating type genes supports the hypothesis that <i>Stagonosporopsis chrysanthemi</i> is homothallic and provides evidence that <i>Stagonosporopsis tanacetii</i> is heterothallic. <i>Current Genetics</i> , 2014, 60, 295-302.	0.8	15
38	Rapid Changes in the Genetic Composition of <i>Stagonosporopsis tanacetii</i> Population in Australian Pyrethrum Fields. <i>Phytopathology</i> , 2015, 105, 358-369.	1.1	15
39	Estimate, a New iPad Application for Assessment of Plant Disease Severity Using Photographic Standard Area Diagrams. <i>Plant Disease</i> , 2018, 102, 276-281.	0.7	15
40	Broadacre Crop Yield Estimation Using Imaging Spectroscopy from Unmanned Aerial Systems (UAS): A Field-Based Case Study with Snap Bean. <i>Remote Sensing</i> , 2021, 13, 3241.	1.8	15
41	Growth Stage Classification and Harvest Scheduling of Snap Bean Using Hyperspectral Sensing: A Greenhouse Study. <i>Remote Sensing</i> , 2020, 12, 3809.	1.8	14
42	Analysis of Spatiotemporal Dynamics of Virus Spread in an Australian Hop Garden by Stochastic Modeling. <i>Plant Disease</i> , 2003, 87, 56-62.	0.7	13
43	Epidemics of Ray Blight on Pyrethrum are Linked to Seed Contamination and Overwintering Inoculum of <i>Phoma ligulicola</i> var. <i>inoxydabilis</i> . <i>Phytopathology</i> , 2011, 101, 1112-1121.	1.1	13
44	Genetic Diversity and Structure in Regional <i>Cercospora beticola</i> Populations from <i>Beta vulgaris</i> subsp. <i>vulgaris</i> Suggest Two Clusters of Separate Origin. <i>Phytopathology</i> , 2019, 109, 1280-1292.	1.1	13
45	Isolation of nematode DNA from 100Åg of soil using Fe ₃ O ₄ super paramagnetic nanoparticles. <i>Nematology</i> , 2018, 20, 271-283.	0.2	12
46	An improved PCR assay for species-specific detection and quantification of <i>Cercospora beticola</i> . <i>Canadian Journal of Plant Pathology</i> , 2020, 42, 72-83.	0.8	12
47	Detection of <i>Cercospora beticola</i> and <i>Phoma betae</i> on Table Beet Seed using Quantitative PCR. <i>Phytopathology</i> , 2020, 110, 943-951.	1.1	12
48	Genome-Wide Association and Selective Sweep Studies Reveal the Complex Genetic Architecture of DMI Fungicide Resistance in <i>Cercospora beticola</i> . <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	12
49	Yield modeling of snap bean based on hyperspectral sensing: a greenhouse study. <i>Journal of Applied Remote Sensing</i> , 2020, 14, 1.	0.6	12
50	First report of <i>Didymella americana</i> on baby lima bean (<i>Phaseolus lunatus</i>). <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 389-394.	0.8	11
51	Genotypic characteristics in populations of <i>Sclerotinia sclerotiorum</i> from New York State, <sc>USA</sc>. <i>Annals of Applied Biology</i> , 2017, 170, 219-228.	1.3	11
52	Alternative Hosts of <i>Cercospora beticola</i> in Field Surveys and Inoculation Trials. <i>Plant Disease</i> , 2019, 103, 1983-1990.	0.7	11
53	Development of a Species-Specific PCR for Detection and Quantification of <i>Meloidogyne hapla</i> in Soil Using the <i>16D10</i> Root-Knot Nematode Effector Gene. <i>Plant Disease</i> , 2019, 103, 1902-1909.	0.7	11
54	Evaluation of App-Embedded Disease Scales for Aiding Visual Severity Estimation of <i>Cercospora</i> Leaf Spot of Table Beet. <i>Plant Disease</i> , 2019, 103, 1347-1356.	0.7	11

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55	Lack of Evidence for Recombination or Spatial Structure in <i>Phoma ligulicola</i> var. <i>inoxydabilis</i> Populations from Australian Pyrethrum Fields. <i>Plant Disease</i> , 2012, 96, 746-751.	0.7	10
56	Site-specific risk factors of white mould epidemics in bean (<i>Phaseolus vulgaris</i>) in Tasmania, Australia. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2012, 40, 147-159.	0.7	10
57	Minimizing Crop Damage Through Understanding Relationships Between Pyrethrum Phenology and Ray Blight Disease Severity. <i>Plant Disease</i> , 2013, 97, 1431-1437.	0.7	10
58	Optimizing <i>Cercospora</i> Leaf Spot Control in Table Beet Using Action Thresholds and Disease Forecasting. <i>Plant Disease</i> , 2020, 104, 1831-1840.	0.7	10
59	Tan spot of lima bean caused by <i>Boeremia exigua</i> var. <i>exigua</i> in New York State, USA. <i>Canadian Journal of Plant Pathology</i> , 2015, 37, 523-528.	0.8	9
60	Genetic Diversity and Differentiation in <i>Phoma betae</i> Populations on Table Beet in New York and Washington States. <i>Plant Disease</i> , 2019, 103, 1487-1497.	0.7	9
61	Mating-Type Gene Structure and Spatial Distribution of <i>Didymella tanacetii</i> in Pyrethrum Fields. <i>Phytopathology</i> , 2016, 106, 1521-1529.	1.1	8
62	Horticultural Characteristics and Susceptibility of Table Beet Cultivars to <i>Cercospora</i> Leaf Spot in New York. <i>HortTechnology</i> , 2017, 27, 530-538.	0.5	8
63	Genome Resource for Two <i>Stemphylium vesicarium</i> Isolates Causing <i>Stemphylium</i> Leaf Blight of Onion in New York. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 562-564.	1.4	8
64	Evaluation of Leaf Area Index (LAI) of Broadacre Crops Using UAS-Based LiDAR Point Clouds and Multispectral Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 4027-4044.	2.3	8
65	Spatiotemporal Characterization of <i>Sclerotinia</i> Crown Rot Epidemics in Pyrethrum. <i>Plant Disease</i> , 2014, 98, 267-274.	0.7	7
66	Genome Resource for <i>Neocamarosporium betae</i> (syn. <i>Pleospora betae</i>), the Cause of <i>Phoma</i> Leaf Spot and Root Rot on <i>Beta vulgaris</i> . <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 787-789.	1.4	7
67	How much do standard area diagrams improve accuracy of visual estimates of the percentage area diseased? A systematic review and meta-analysis. <i>Tropical Plant Pathology</i> , 2022, 47, 43-57.	0.8	7
68	Crop Damage from <i>Sclerotinia</i> Crown Rot and Risk Factors in Pyrethrum. <i>Plant Disease</i> , 2014, 98, 103-111.	0.7	6
69	Incidence and Pathogenicity of <i>Didymella americana</i> on Table Beet in New York. <i>Plant Health Progress</i> , 2016, 17, 270-272.	0.8	6
70	Revisiting <i>Stagonosporopsis</i> species associated with chrysanthemum and pyrethrum ray blight. <i>Australasian Plant Pathology</i> , 2016, 45, 561-570.	0.5	6
71	Identification and characterization of <i>Ditylenchus</i> spp. populations from garlic in New York State, USA. <i>Tropical Plant Pathology</i> , 2016, 41, 193-197.	0.8	6
72	Mycoflora Associated With Pyrethrum Seed and the Integration of Seed Steam Treatment Into Foliar Disease Management Strategies. <i>Plant Disease</i> , 2017, 101, 1874-1884.	0.7	6

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73	Soil-Mediated Effects on Weed-Crop Competition: Elucidating the Role of Annual and Perennial Intercrop Diversity Legacies. <i>Agronomy</i> , 2020, 10, 1373.	1.3	6
74	Phylogeny of cercosporoid fungi (Mycosphaerellaceae, Mycosphaerellales) from Hawaii and New York reveals novel species within the <i>Cercospora beticola</i> complex. <i>Mycological Progress</i> , 2021, 20, 261-287.	0.5	6
75	Hierarchical models for white mould in snap bean. <i>Plant Pathology</i> , 2018, 67, 145-155.	1.2	5
76	Evidence for Sexual Recombination in <i>Didymella tanacetii</i> Populations, and Their Evolution Over Spring Production in Australian Pyrethrum Fields. <i>Phytopathology</i> , 2019, 109, 155-168.	1.1	5
77	Rolled crimped cereal rye residue suppresses white mold in no-till soybean and dry bean. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 599-607.	0.8	5
78	Anthrachnose of Onion Caused by <i>Colletotrichum coccodes</i> in New York. <i>Plant Disease</i> , 2016, 100, 2171-2171.	0.7	5
79	Estimation of Pyrethrum Flower Number Using Digital Imagery. <i>HortTechnology</i> , 2015, 25, 617-624.	0.5	5
80	Gigahertz Ultrasonic Imaging of Nematodes in Liquids, Soil, and Air. , 2021, , .		5
81	A polymerase chain reaction assay for ascospore inoculum of <i>Sclerotinia</i> species. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2015, 43, 233-240.	0.7	4
82	Probability distributions for marketable pods and white mould on snap bean. <i>Annals of Applied Biology</i> , 2017, 171, 179-189.	1.3	4
83	Spatiotemporal Attributes and Crop Loss Associated with Tan Spot Epidemics in Baby Lima Bean in New York. <i>Plant Disease</i> , 2018, 102, 405-412.	0.7	4
84	Optimizing fungicide timing for the management of white mold in processing snap bean in New York. <i>Crop Protection</i> , 2019, 125, 104883.	1.0	4
85	Spatial and spatiotemporal analysis of <i>Meloidogyne hapla</i> and <i>Pratylenchus penetrans</i> populations in commercial potato fields in New York, USA. <i>Nematology</i> , 2020, 23, 139-151.	0.2	4
86	Development of a Sequential Sampling Plan using Spatial Attributes of <i>Cercospora</i> Leaf Spot Epidemics of Table Beet in New York. <i>Plant Disease</i> , 2021, 105, 2453-2465.	0.7	4
87	Predicting Table Beet Root Yield with Multispectral UAS Imagery. <i>Remote Sensing</i> , 2021, 13, 2180.	1.8	4
88	First Report of <i>Cercospora</i> Blight of <i>Asparagus officinalis</i> Caused by <i>Cercospora asparagi</i> in New York. <i>Plant Disease</i> , 2017, 101, 1953.	0.7	4
89	Seedborne <i>Cercospora beticola</i> Can Initiate <i>Cercospora</i> Leaf Spot from Sugar Beet (<i>Beta</i>) Tj ETQq1 1 0.784314 rgBT /Overlook	1.1	4
90	Identification of factors associated with white mould in snap bean using tree-based methods. <i>Plant Pathology</i> , 2019, 68, 1694-1705.	1.2	3

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91	Phoma Leaf Spot Susceptibility and Horticultural Characteristics of Table Beet Cultivars in New York. <i>Plant Health Progress</i> , 2019, 20, 95-103.	0.8	3
92	Efficacy of Double Nickel LC (<i>Bacillus amyloliquefaciens</i> D747 Strain) for Management of White Mold in Snap and Dry Bean. <i>Plant Health Progress</i> , 2019, 20, 61-66.	0.8	3
93	Confirmation of <i>Paracercospora egenula</i> causing leaf spot of eggplant in Hawaii. <i>Australasian Plant Disease Notes</i> , 2016, 11, 1.	0.4	2
94	Cluster: A New Application for Spatial Analysis of Pixelated Data for Epiphytotics. <i>Phytopathology</i> , 2017, 107, 1556-1566.	1.1	2
95	Southern Sclerotium Root Rot Caused by <i>Athelia rolfsii</i> on Table Beet in New York. <i>Plant Health Progress</i> , 2019, 20, 4-6.	0.8	2
96	Improving fungicide-based management of <i>Cercospora</i> leaf spot in table beet in New York, USA. <i>Canadian Journal of Plant Pathology</i> , 2020, 42, 353-366.	0.8	2
97	Comparing the Fungicide Sensitivity of <i>Sclerotinia sclerotiorum</i> Using Mycelial Growth and Ascospore Germination Assays. <i>Plant Disease</i> , 2022, 106, 360-363.	0.7	2
98	First Report of <i>Cercospora</i> Leaf Spot Caused by <i>Cercospora chenopodii</i> on <i>Spinacia oleracea</i> in the U.S.A.. <i>Plant Disease</i> , 2020, 104, 976-976.	0.7	2
99	Southern blight of perennial swallowwort (<i>Vincetoxicum</i> spp.) in New York. <i>Invasive Plant Science and Management</i> , 2021, 14, 223-231.	0.5	2
100	Carpogenic germination of sclerotia of <i>Sclerotinia minor</i> and ascosporic infection of pyrethrum flowers. <i>Canadian Journal of Plant Pathology</i> , 2015, 37, 179-187.	0.8	1
101	First Report of Leaf Curl on Celery (<i>Apium graveolens</i> var. <i>dulce</i>) Caused by <i>Colletotrichum fioriniae</i> in New York. <i>Plant Disease</i> , 2019, 103, 1791-1791.	0.7	1
102	Response of potato cultivars to the northern root-knot nematode, <i>Meloidogyne hapla</i> , under field conditions in New York State, USA. <i>Nematology</i> , 2020, 23, 425-433.	0.2	1
103	First Report of Carrot Root Rot Caused by <i>Rhexocercosporidium carotae</i> in the United States. <i>Plant Disease</i> , 2017, 101, 248-248.	0.7	1
104	Spatiotemporal Dynamics of <i>Stemphylium</i> Leaf Blight and Potential Inoculum Sources in New York Onion Fields. <i>Plant Disease</i> , 2022, 106, 1381-1391.	0.7	1
105	Toward Crop Maturity Assessment via UAS-Based Imaging Spectroscopy—A Snap Bean Pod Size Classification Field Study. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	2.7	1
106	Control of Phoma Leaf Spot and Root Decay of Table Beet in New York. <i>Plant Disease</i> , 2022, 106, 1857-1866.	0.7	1
107	First Report of Halo Blight on Hop Caused by <i>Diaporthe humulicola</i> in New York. <i>Plant Disease</i> , 2023, 107, 216.	0.7	1
108	Forrest W. Nutter, Jr.: a career in phytopathometry. <i>Tropical Plant Pathology</i> , 0, , 1.	0.8	0