Paul D Esker

List of Publications by Year
in descending order

86 papers	4,782 citations	159358 30 h-index	110170 64 g-index
89 all docs	89 docs citations	89 times ranked	4657 citing authors

#	Article	IF	Citations
1	A phytopathometry glossary for the twenty-first century: towards consistency and precision in intra- and inter-disciplinary dialogues. Tropical Plant Pathology, 2022, 47, 14-24.	0.8	27
2	<i>Fusarium graminearum</i> Species Complex: A Bibliographic Analysis and Web-Accessible Database for Global Mapping of Species and Trichothecene Toxin Chemotypes. Phytopathology, 2022, 112, 741-751.	1.1	18
3	Abiotic conditions outweigh microbial origin during bacterial assembly in soils. Environmental Microbiology, 2021, 23, 358-371.	1.8	8
4	Fusarium head blight of small grains in Pennsylvania: unravelling species diversity, toxin types, growth and triazole sensitivity. Phytopathology, 2021, , .	1.1	2
5	Advancing agricultural research using machine learning algorithms. Scientific Reports, 2021, 11, 17879.	1.6	8
6	A machine learning interpretation of the contribution of foliar fungicides to soybean yield in the northâ€central United States. Scientific Reports, 2021, 11, 18769.	1.6	3
7	Prospects of alleviating early plantingâ€associated cold susceptibility of soybean using microbes: New insights from microbiome analysis. Journal of Agronomy and Crop Science, 2021, 207, 171-185.	1.7	9
8	Soybean Roots and Soil From High- and Low-Yielding Field Sites Have Different Microbiome Composition. Frontiers in Microbiology, 2021, 12, 675352.	1.5	3
9	Modeling Yield Losses and Fungicide Profitability for Managing Fusarium Head Blight in Brazilian Spring Wheat. Phytopathology, 2020, 110, 370-378.	1.1	15
10	Spatial and spatiotemporal analysis of Meloidogyne hapla and Pratylenchus penetrans populations in commercial potato fields in New York, USA. Nematology, 2020, 23, 139-151.	0.2	4
11	Sowing Uncertainty: What We Do and Donâ€™t Know about the Planting of Pesticide-Treated Seed. BioScience, 2020, 70, 390-403.	2.2	50
12	Modeling the relationship between estimated fungicide use and disease-associated yield losses of soybean in the United States I: Foliar fungicides vs foliar diseases. PLoS ONE, 2020, 15, e0234390.	1.1	19
13	Dissecting the economic impact of soybean diseases in the United States over two decades. PLoS ONE, 2020, 15, e0231141.	1.1	125
14	Modeling the relationship between estimated fungicide use and disease-associated yield losses of soybean in the United States II: Seed-applied fungicides vs seedling diseases. PLoS ONE, 2020, 15, e0244424.	1.1	3
15	Relationship between soybean yield from high and low yielding field sites and selected soil characteristics. , 2020, 3, e20126.		3
16	Neonicotinoid seed treatments of soybean provide negligible benefits to US farmers. Scientific Reports, 2019, 9, 11207.	1.6	62
17	Manipulating Wild and Tamed Phytobiomes: Challenges and Opportunities. Phytobiomes Journal, 2019, 3, 3-21.	1.4	38
18	Genetic diversity and geographic distribution of <scp><i>Bemisia tabaci</i></scp> and <scp><i>Trialeurodes vaporariorum</i></scp> in Costa Rica. Annals of Applied Biology, 2019, 174, 248-261.	1.3	10

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19	The global burden of pathogens and pests on major food crops. Nature Ecology and Evolution, 2019, 3, 430-439.	3.4	1,731
20	Concepts, approaches, and avenues for modelling crop health and crop losses. European Journal of Agronomy, 2018, 100, 4-18.	1.9	39
21	Distribution and diversity of begomoviruses in tomato and sweet pepper plants in Costa Rica. Annals of Applied Biology, 2018, 172, 20-32.	1.3	12
22	Statistical Power in Plant Pathology Research. Phytopathology, 2018, 108, 15-22.	1.1	13
23	Genome-Wide Association Mapping Analyses Applied to Polyamines. Methods in Molecular Biology, 2018, 1694, 427-432.	0.4	0
24	Perceptions of Midwestern Crop Advisors and Growers on Foliar Fungicide Adoption and Use in Maize. Phytopathology, 2018, 108, 1078-1088.	1.1	10
25	Meta-Analysis of the Effects of QoI and DMI Fungicide Combinations on Fusarium Head Blight and Deoxynivalenol in Wheat. Plant Disease, 2018, 102, 2602-2615.	0.7	35
26	Effects of Pre- and Postanthesis Applications of Demethylation Inhibitor Fungicides on Fusarium Head Blight and Deoxynivalenol in Spring and Winter Wheat. Plant Disease, 2018, 102, 2500-2510.	0.7	32
27	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.	1.1	83
28	Crop health and its global impacts on the components of food security. Food Security, 2017, 9, 311-327.	2.4	68
29	Production situations as drivers of crop health: evidence and implications. Plant Pathology, 2017, 66, 867-876.	1.2	21
30	Oomycete Species Associated with Soybean Seedlings in North Americaâ€"Part I: Identification and Pathogenicity Characterization. Phytopathology, 2017, 107, 280-292.	1.1	99
31	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.	0.8	323
32	Revisiting Fungicide-Based Management Guidelines for Leaf Blotch Diseases in Soft Red Winter Wheat. Plant Disease, 2015, 99, 1434-1444.	0.7	19
33	Does the <i>P</i> Value Have a Future in Plant Pathology?. Phytopathology, 2015, 105, 1400-1407.	1.1	14
34	Effect of Maize Hybrid and Foliar Fungicides on Yield Under Low Foliar Disease Severity Conditions. Phytopathology, 2015, 105, 1080-1089.	1.1	39
35	Crop Rotation and Management Effect on <i>Fusarium</i> spp. Populations. Crop Science, 2015, 55, 365-376.	0.8	34
36	Yield Response to Crop/Genotype Rotations and Fungicide Use to Manage Fusarium â€related Diseases. Crop Science, 2015, 55, 889-898.	0.8	13

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37	Effect of Glyphosate Application on Sudden Death Syndrome of Glyphosate-Resistant Soybean Under Field Conditions. Plant Disease, 2015, 99, 347-354.	0.7	32
38	Soybean Yield Partitioning Changes Revealed by Genetic Gain and Seeding Rate Interactions. Agronomy Journal, 2014, 106, 1631-1642.	0.9	86
39	Physiological and Phenological Responses of Historical Soybean Cultivar Releases to Earlier Planting. Crop Science, 2014, 54, 804-816.	0.8	45
40	Fungicide Management Does Not Affect the Rate of Genetic Gain in Soybean. Agronomy Journal, 2014, 106, 2043-2054.	0.9	8
41	The Use of Reflectance Data for In-Season Soybean Yield Prediction. Agronomy Journal, 2014, 106, 1159-1168.	0.9	10
42	A Coordinated Effort to Manage Soybean Rust in North America: A Success Story in Soybean Disease Monitoring. Plant Disease, 2014, 98, 864-875.	0.7	46
43	Genetic Gain Ã— Management Interactions in Soybean: II. Nitrogen Utilization. Crop Science, 2014, 54, 340-348.	0.8	40
44	Seasonal Patterns of Aster Leafhopper (Hemiptera: Cicadellidae) Abundance and Aster Yellows Phytoplasma Infectivity in Wisconsin Carrot Fields. Environmental Entomology, 2013, 42, 491-502.	0.7	31
45	Factors Influencing Aster Leafhopper (Hemiptera: Cicadellidae) Abundance and Aster Yellows Phytoplasma Infectivity in Wisconsin Carrot Fields. Environmental Entomology, 2013, 42, 477-490.	0.7	10
46	Genetic Gain Ã— Management Interactions in Soybean: I. Planting Date. Crop Science, 2013, 53, 1128-1138.	0.8	86
47	Probability of Yield Response and Breaking Even for Soybean Seed Treatments. Crop Science, 2012, 52, 351-359.	0.8	49
48	Efficacy and Stability of Integrating Fungicide and Cultivar Resistance to Manage Fusarium Head Blight and Deoxynivalenol in Wheat. Plant Disease, 2012, 96, 957-967.	0.7	114
49	Biology, Yield loss and Control of Sclerotinia Stem Rot of Soybean. Journal of Integrated Pest Management, 2012, 3, 1-7.	0.9	181
50	Modeling Long-Term Trends in Russet Burbank Potato Growth and Development in Wisconsin. Agronomy, 2012, 2, 14-27.	1.3	7
51	Soybean Yield and Heterodera Glycines Response to Rotation, Tillage, and Genetic Resistance. Agronomy Journal, 2011, 103, 1604-1609.	0.9	15
52	Soybean Yield Response to Plant Distribution in Fusarium virguliforme Infested Soils. Agronomy Journal, 2011, 103, 1712-1716.	0.9	6
53	Meta-Analysis to Determine the Effects of Plant Disease Management Measures: Review and Case Studies on Soybean and Apple. Phytopathology, 2011, 101, 31-41.	1.1	50
54	Risk Factors for Crop Health Under Global Change and Agricultural Shifts: A Framework of Analyses Using Rice in Tropical and Subtropical Asia as a Model. Phytopathology, 2011, 101, 696-709.	1.1	36

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55	Meta-Analysis of Yield Response of Hybrid Field Corn to Foliar Fungicides in the U.S. Corn Belt. Phytopathology, 2011, 101, 1122-1132.	1.1	90
56	Tillage, Crop Rotation, and Hybrid Effects on Residue and Corn Anthracnose Occurrence in Wisconsin. Plant Disease, 2011, 95, 601-610.	0.7	30
57	Effect of Location, Cultivar, and Diseases on Grain Yield of Soft Red Winter Wheat in Wisconsin. Plant Disease, 2011, 95, 1401-1406.	0.7	25
58	Application of a Rank-Based Method for Improved Cultivar Selection in Soft Red Winter Wheat. Plant Disease, 2011, 95, 1407-1413.	0.7	1
59	Seasonal Phenology of Aphis glycines (Hemiptera: Aphididae) and Other Aphid Species in Cultivated Bean and Noncrop Habitats in Wisconsin. Journal of Economic Entomology, 2010, 103, 1670-1681.	0.8	10
60	The Uniqueness of the Soybean Rust Pathosystem: An Improved Understanding of the Risk in Different Regions of the World. Plant Disease, 2010, 94, 796-806.	0.7	44
61	Quantitative review of fungicide efficacy trials for managing soybean rust in Brazil. Crop Protection, 2009, 28, 774-782.	1.0	56
62	Beyond Yield: Plant Disease in the Context of Ecosystem Services. Phytopathology, 2009, 99, 1228-1236.	1.1	81
63	Development of Ramulosis Disease of Cotton Under Controlled Environment and Field Conditions. Phytopathology, 2009, 99, 659-665.	1.1	8
64	Influence of Monocropping Brown Stem Rotâ€“Resistant and â€“Susceptible Soybean Accessions on Soil and Stem Populations of Phialophora gregata f. sp. sojae. Plant Disease, 2009, 93, 1050-1058.	0.7	1
65	Site-Specific Risk Factors for Ray Blight in Tasmanian Pyrethrum Fields. Plant Disease, 2009, 93, 229-237.	0.7	21
66	Overwintering of <i>Sclerotium rolfsii</i> and <i>S. rolfsii</i> var. <i>delphinii</i> in Different Latitudes of the United States. Plant Disease, 2008, 92, 719-724.	0.7	34
67	Diseases of Pyrethrum in Tasmania: Challenges and Prospects for Management. Plant Disease, 2008, 92, 1260-1272.	0.7	53
68	Meteorological factors and Asian soybean rust epidemics: a systems approach and implications for risk assessment. Scientia Agricola, 2008, 65, 88-97.	0.6	25
69	Visual and Radiometric Assessments for Yield Losses Caused by Ray Blight in Pyrethrum. Crop Science, 2008, 48, 343-352.	0.8	21
70	Quantifying Loss Caused by Ray Blight Disease in Tasmanian Pyrethrum Fields. Plant Disease, 2007, 91, 1116-1121.	0.7	20
71	Use of a Multispectral Radiometer for Noninvasive Assessments of Foliar Disease Caused by Ray Blight in Pyrethrum. Plant Disease, 2007, 91, 1397-1406.	0.7	13
72	An Application of Space-Time Analysis to Improve the Epidemiological Understanding of the Papaya-Papaya Yellow Crinkle Pathosystem. Plant Health Progress, 2007, 8, 65.	0.8	3

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73	Use of Survival Analysis to Determine the Postincubation Time-to-Death of Papaya Due to Yellow Crinkle Disease in Australia. Plant Disease, 2006, 90, 102-107.	0.7	25
74	Quantifying the Feeding Periods Required by Corn Flea Beetles to Acquire and Transmit Pantoea stewartii. Plant Disease, 2006, 90, 319-324.	0.7	24
75	Comparison of Models for Forecasting of Stewart's Disease of Corn in Iowa. Plant Disease, 2006, 90, 1353-1357.	0.7	27
76	Disease Assessment Concepts and the Advancements Made in Improving the Accuracy and Precision of Plant Disease Data. European Journal of Plant Pathology, 2006, 115, 95-103.	0.8	91
77	The Role of Psychophysics in Phytopathology: The Weberâ€“Fechner Law Revisited. European Journal of Plant Pathology, 2006, 114, 199-213.	0.8	80
78	Disease assessment concepts and the advancements made in improving the accuracy and precision of plant disease data. , 2006, , 95-103.		15
79	Spatiotemporal Description of Epidemics Caused by Phoma ligulicola in Tasmanian Pyrethrum Fields. Phytopathology, 2005, 95, 648-658.	1.1	49
80	Population Densities of Corn Flea Beetle (Coleoptera: Chrysomelidae) and Incidence of Stewartâ€™s Wilt in Sweet Corn. Journal of Economic Entomology, 2005, 98, 673-682.	0.8	15
81	Temporal Dynamics of Corn Flea Beetle Populations Infested with Pantoea stewartii, Causal Agent of Stewart's Disease of Corn. Phytopathology, 2003, 93, 210-218.	1.1	24
82	Temporal Distribution of <I>Chaetocnema pulicaria</I> (Coleoptera: Chrysomelidae) Populations in Iowa. Journal of Economic Entomology, 2002, 95, 739-747.	0.8	13
83	Assessing the Risk of Stewart's Disease of Corn Through Improved Knowledge of the Role of the Corn Flea Beetle Vector. Phytopathology, 2002, 92, 668-670.	1.1	16
84	Use of geospatially-referenced disease and weather data to improve site-specific forecasts for Stewart's disease of corn in the US corn belt. Computers and Electronics in Agriculture, 2002, 37, 7-14.	3.7	16
85	A Profile of and Communication between Certified Crop Advisors and Maize Growers in the Midwest United States. SSRN Electronic Journal, 0, , .	0.4	0
86	Forrest W. Nutter, Jr.: a career in phytopathometry. Tropical Plant Pathology, 0, , 1.	0.8	0