

Kirk D Broders

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

725
citations

567281

15
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610901

24
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51
all docs

51
docs citations

51
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Corn Yield Loss Estimates Due to Diseases in the United States and Ontario, Canada from 2012 to 2015. <i>Plant Health Progress</i> , 2016, 17, 211-222.	1.4	135
2	DNA Sequence-Based Identification of <i>Fusarium</i> : A Work in Progress. <i>Plant Disease</i> , 2022, 106, 1597-1609.	1.4	48
3	Population Structure of <i>Geosmithia morbida</i> , the Causal Agent of Thousand Cankers Disease of Walnut Trees in the United States. <i>PLoS ONE</i> , 2014, 9, e112847.	2.5	38
4	Characterization of Fungal Pathogens Associated with White Pine Needle Damage (WPND) in Northeastern North America. <i>Forests</i> , 2015, 6, 4088-4104.	2.1	33
5	Emergence of white pine needle damage in the northeastern United States is associated with changes in pathogen pressure in response to climate change. <i>Global Change Biology</i> , 2017, 23, 394-405.	9.5	32
6	The new family Septorioideaceae, within the Botryosphaeriales and Septorioides strobis as a new species associated with needle defoliation of <i>Pinus strobus</i> in the United States. <i>Fungal Biology</i> , 2016, 120, 1030-1040.	2.5	28
7	FUSARIUM-ID v.3.0: An Updated, Downloadable Resource for <i>Fusarium</i> Species Identification. <i>Plant Disease</i> , 2022, 106, 1610-1616.	1.4	27
8	Transfer of <i>Xanthomonas campestris</i> pv. <i>arecae</i> and <i>X. campestris</i> pv. <i>musacearum</i> to <i>X. vasicola</i> (Vauterin) as <i>X. vasicola</i> pv. <i>arecae</i> comb. nov. and <i>X. vasicola</i> pv. <i>musacearum</i> comb. nov. and Description of <i>X. vasicola</i> pv. <i>vasculorum</i> pv. nov.. <i>Phytopathology</i> , 2020, 110, 1153-1160.	2.2	23
9	A Vavilovian approach to discovering crop-associated microbes with potential to enhance plant immunity. <i>Frontiers in Plant Science</i> , 2014, 5, 492.	3.6	22
10	Impact of climate change and race evolution on the epidemiology and ecology of stripe rust in central and eastern USA and Canada. <i>Canadian Journal of Plant Pathology</i> , 2017, 39, 385-392.	1.4	21
11	Phylogenetic Diversity of <i>Rhizoctonia solani</i> Associated with Canola and Wheat in Alberta, Manitoba, and Saskatchewan. <i>Plant Disease</i> , 2014, 98, 1695-1701.	1.4	19
12	Extent and Severity of Caliciopsis Canker in New England, USA: An Emerging Disease of Eastern White Pine (<i>Pinus strobus</i> L.). <i>Forests</i> , 2015, 6, 4360-4373.	2.1	19
13	Comparative Genomics of Pathogenic and Nonpathogenic Beetle-Vectored Fungi in the Genus <i>Geosmithia</i> . <i>Genome Biology and Evolution</i> , 2017, 9, 3312-3327.	2.5	18
14	Response of eastern white pine and associated foliar, blister rust, canker and root rot pathogens to climate change. <i>Forest Ecology and Management</i> , 2018, 423, 18-26.	3.2	18
15	Whole-Genome Comparisons of Ergot Fungi Reveals the Divergence and Evolution of Species within the Genus <i>Claviceps</i> Are the Result of Varying Mechanisms Driving Genome Evolution and Host Range Expansion. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	17
16	Genomic Acquisitions in Emerging Populations of <i>Xanthomonas vasicola</i> pv. <i>vasculorum</i> Infecting Corn in the United States and Argentina. <i>Phytopathology</i> , 2020, 110, 1161-1173.	2.2	16
17	<i>Pythium delawarii</i> a new species isolated from soybean in Ohio. <i>Mycologia</i> , 2009, 101, 232-238.	1.9	15
18	Two new species of <i>Pythium</i> , <i>P. schmitthenneri</i> and <i>P. selbyi</i> pathogens of corn and soybean in Ohio. <i>Mycologia</i> , 2012, 104, 477-487.	1.9	15

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19	Current Understanding of the History, Global Spread, Ecology, Evolution, and Management of the Corn Bacterial Leaf Streak Pathogen, <i>Xanthomonas vasicola</i> pv. <i>vasculorum</i> . <i>Phytopathology</i> , 2020, 110, 1124-1131.	2.2	15
20	A Scale-Explicit Framework for Conceptualizing the Environmental Impacts of Agricultural Land Use Changes. <i>Sustainability</i> , 2014, 6, 8432-8451.	3.2	14
21	Host-generalist fungal pathogens of seedlings may maintain forest diversity via host-specific impacts and differential susceptibility among tree species. <i>New Phytologist</i> , 2021, 231, 460-474.	7.3	14
22	Four phylogenetic species of ergot from Canada and their characteristics in morphology, alkaloid production, and pathogenicity. <i>Mycologia</i> , 2020, 112, 974-988.	1.9	13
23	Identification of quantitative trait loci associated with maize resistance to bacterial leaf streak. <i>Crop Science</i> , 2020, 60, 226-237.	1.8	13
24	Butternut (<i>Juglans cinerea</i>) health, hybridization, and recruitment in the northeastern United States. <i>Canadian Journal of Forest Research</i> , 2014, 44, 1244-1252.	1.7	12
25	Ergochromes: Heretofore Neglected Side of Ergot Toxicity. <i>Toxins</i> , 2019, 11, 439.	3.4	11
26	Genomics-Informed Molecular Detection of <i>Xanthomonas vasicola</i> pv. <i>vasculorum</i> Strains Causing Severe Bacterial Leaf Streak of Corn. <i>Phytopathology</i> , 2020, 110, 1174-1179.	2.2	11
27	<i>De novo</i> genome assembly of <i>Geosmithia morbida</i> , the causal agent of thousand cankers disease. <i>PeerJ</i> , 2016, 4, e1952.	2.0	9
28	Status of bacterial leaf streak of corn in the United States. , 0, , .		8
29	A large accessory genome and high recombination rates may influence global distribution and broad host range of the fungal plant pathogen <i>Claviceps purpurea</i> . <i>PLoS ONE</i> , 2022, 17, e0263496.	2.5	8
30	Priority of <i>Lophophacidium</i> over <i>Canavirgella</i> : taxonomic status of <i>Lophophacidium dooksii</i> and <i>Canavirgella banfieldii</i> , causal agents of a white pine needle disease. <i>Mycologia</i> , 2015, 107, 745-753.	1.9	7
31	Sympatric divergence of the ergot fungus, <i>Claviceps purpurea</i> , populations infecting agricultural and nonagricultural grasses in North America. <i>Ecology and Evolution</i> , 2021, 11, 273-293.	1.9	7
32	<i>Caliciopsis moriondi</i> , a new species for a fungus long confused with the pine pathogen <i>C. pinea</i> . <i>MycKeys</i> , 2020, 73, 87-108.	1.9	7
33	Occurrence in Seeds and Potential Seed Transmission of <i>Xanthomonas vasicola</i> pv. <i>vasculorum</i> in Maize in the United States. <i>Phytopathology</i> , 2020, 110, 1139-1146.	2.2	6
34	<i>Phyllachora</i> species infecting maize and other grass species in the Americas represents a complex of closely related species. <i>Ecology and Evolution</i> , 2022, 12, e8832.	1.9	6
35	Mining Indole Alkaloid Synthesis Gene Clusters from Genomes of 53 <i>Claviceps</i> Strains Revealed Redundant Gene Copies and an Approximate Evolutionary Hourglass Model. <i>Toxins</i> , 2021, 13, 799.	3.4	4
36	Brome grasses represent the primary source of <i>Claviceps purpurea</i> inoculum associated with barley fields in the San Luis Valley of Colorado. <i>Canadian Journal of Plant Pathology</i> , 2023, 45, 15-29.	1.4	3

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37	Building More Resilient Culture Collections: A Call for Increased Deposits of Plant-Associated Bacteria. <i>Microorganisms</i> , 2022, 10, 741.	3.6	2
38	Genome-wide SNP identification in <i>Fraxinus</i> linking genetic characteristics to tolerance of <i>Agrilus planipennis</i> . <i>Ecology and Evolution</i> , 2021, 11, 14775-14788.	1.9	0
39	Hyperspectral Evaluation of <i>Venturia inaequalis</i> ; Management Using the Disease Predictive Model RIMpro in the Northeastern U.S.. <i>Agricultural Sciences</i> , 2017, 08, 1358-1371.	0.3	0