

Christopher M Wallis

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,207
citations

471371

17
h-index

395590

33
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58
all docs

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docs citations

58
times ranked

1359
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Genome Resource of a Grapevine Strain of <i>Trichoderma harzianum</i> , a Potential Biological Control Agent for Fungal Canker Diseases. <i>PhytoFrontiers</i> , 2022, 2, 143-146.	0.8	3
2	Insights regarding resistance of Nemaguard™ rootstock to the bacterium <i>Xylella fastidiosa</i> . <i>Plant Disease</i> , 2022, , .	0.7	1
3	Characterization of grapevine fungal canker pathogens Fatty Acid Methyl Ester (FAME) profiles. <i>Mycologia</i> , 2022, 114, 203-213.	0.8	2
4	A comprehensive review of zebra chip disease in potato and its management through breeding for resistance/tolerance to <i>Candidatus Liberibacter solanacearum</i> ™ and its insect vector. <i>Pest Management Science</i> , 2022, 78, 3731-3745.	1.7	9
5	Amino acid, sugar, phenolic, and terpenoid profiles are capable of distinguishing <i>Citrus tristeza virus</i> infection status in citrus cultivars: Grapefruit, lemon, mandarin, and sweet orange. <i>PLoS ONE</i> , 2022, 17, e0268255.	1.1	2
6	Potential effects of Grapevine leafroll-associated virus 3 (genus <i>Ampelovirus</i> ; family <i>Closteroviridae</i>) or Grapevine red blotch virus (genus <i>Grablovirus</i> ; family <i>Geminiviridae</i>) infection on foliar phenolic and amino acid levels. <i>BMC Research Notes</i> , 2022, 15, .	0.6	1
7	Microplate bioassay to examine the effects of grapevine-isolated stilbenoids on survival of root knot nematodes. <i>BMC Research Notes</i> , 2022, 15, .	0.6	1
8	A comparison of the metabolomic response of grapevine to infection with ascomycete wood-infecting fungi. <i>Physiological and Molecular Plant Pathology</i> , 2021, 113, 101596.	1.3	6
9	Nutritional niche overlap analysis as a method to identify potential biocontrol fungi against trunk pathogens. <i>BioControl</i> , 2021, 66, 559-571.	0.9	12
10	Plant defense against a pathogen drives nonlinear transmission dynamics through both vector preference and acquisition. <i>Ecosphere</i> , 2021, 12, e03505.	1.0	1
11	Impact of phenolic compounds on progression of <i>Xylella fastidiosa</i> infections in susceptible and <i>PdR1</i> -locus containing resistant grapevines. <i>PLoS ONE</i> , 2020, 15, e0237545.	1.1	2
12	Grapevine (<i>Vitis</i> spp.) rootstock stilbenoid associations with host resistance to and induction by root knot nematodes, <i>Meloidogyne incognita</i> . <i>BMC Research Notes</i> , 2020, 13, 360.	0.6	8
13	Grapevine phenolic compounds influence cell surface adhesion of <i>Xylella fastidiosa</i> and bind to lipopolysaccharide. <i>PLoS ONE</i> , 2020, 15, e0240101.	1.1	6
14	Phenolic Compound Induction in Plant-Microbe and Plant-Insect Interactions: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 580753.	1.7	84
15	Concentrations of sunflower phenolics appear insufficient to explain resistance to floret- and seed-feeding caterpillars. <i>Arthropod-Plant Interactions</i> , 2019, 13, 915-921.	0.5	3
16	Proteome and metabolome analyses reveal differential responses in tomato - <i>Verticillium dahliae</i> -interactions. <i>Journal of Proteomics</i> , 2019, 207, 103449.	1.2	51
17	NMR solution structures and MD-simulation of procyanidin B1, B2, and C1. <i>Arkivoc</i> , 2019, 2018, 279-301.	0.3	2
18	Dust Interferes with Pollen-“Stigma Interaction and Fruit Set in Pistachio <i>Pistacia vera</i> cv. Kerman. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2019, 54, 1967-1971.	0.5	7

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19	Examining the Potential Role of Foliar Chemistry in Imparting Potato Germplasm Tolerance to Potato Psyllid, Green Peach Aphid, and Zebra Chip Disease. <i>Journal of Economic Entomology</i> , 2018, 111, 327-336.	0.8	7
20	Effects of Energy Reserves and Diet on Glassy-Winged Sharpshooter Egg Maturation. <i>Journal of Economic Entomology</i> , 2018, 111, 159-169.	0.8	6
21	Population diversity of <i>Diaphorina citri</i> (Hemiptera: Liviidae) in China based on whole mitochondrial genome sequences. <i>Pest Management Science</i> , 2018, 74, 2569-2577.	1.7	10
22	Fruit quality of pomegranate grown in arid environment and irrigated with saline water. <i>Sustainable Water Resources Management</i> , 2018, 4, 951-964.	1.0	4
23	Postharvest Development of <i>Candidatus Liberibacter solanacearum</i> ™ in Late-Season Infected Potato Tubers under Commercial Storage Conditions. <i>Plant Disease</i> , 2018, 102, 561-568.	0.7	11
24	Effects of Holding Temperatures on the Development of Zebra Chip Symptoms, <i>Candidatus Liberibacter Solanacearum</i> ™ Titers, and Phenolic Levels in 'Red La Sota' and 'Russet Norkotah' Tubers. <i>American Journal of Potato Research</i> , 2017, 94, 334-341.	0.5	5
25	Effects of Xylem-Sap Composition on Glassy-Winged Sharpshooter (Hemiptera: Cicadellidae) Egg Maturation on High- and Low-Quality Host Plants. <i>Environmental Entomology</i> , 2017, 46, 299-310.	0.7	8
26	Characterization of the Tolerance against Zebra Chip Disease in Tubers of Advanced Potato Lines from Mexico. <i>American Journal of Potato Research</i> , 2017, 94, 342-356.	0.5	15
27	Analyses of Mitogenome Sequences Revealed that Asian Citrus Psyllids (<i>Diaphorina citri</i>) from California Were Related to Those from Florida. <i>Scientific Reports</i> , 2017, 7, 10154.	1.6	13
28	Correlation of Electropenetrography Waveforms From <i>Lygus lineolaris</i> (Hemiptera: Miridae) Feeding on Cotton Squares With Chemical Evidence of Inducible Tannins. <i>Journal of Economic Entomology</i> , 2017, 110, 2068-2075.	0.8	17
29	<i>Neofusicoccum parvum</i> Colonization of the Grapevine Woody Stem Triggers Asynchronous Host Responses at the Site of Infection and in the Leaves. <i>Frontiers in Plant Science</i> , 2017, 8, 1117.	1.7	37
30	Characterization of host plant resistance to zebra chip disease from species-derived potato genotypes and the identification of new sources of zebra chip resistance. <i>PLoS ONE</i> , 2017, 12, e0183283.	1.1	17
31	Effects of Grapevine red blotch-associated virus (GRBav) infection on foliar metabolism of grapevines. <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 358-366.	0.8	31
32	Variations in Zebra Chip Disease Expression and Tuber Biochemistry in Response to Vector Density. <i>Phytopathology</i> , 2016, 106, 854-860.	1.1	4
33	The Complete Mitochondrial Genome Sequence of <i>Bactericera cockerelli</i> and Comparison with Three Other Psylloidea Species. <i>PLoS ONE</i> , 2016, 11, e0155318.	1.1	7
34	<i>Candidatus Liberibacter solanacearum</i> ™ Titers in and Infection Effects on Potato Tuber Chemistry of Promising Germplasm Exhibiting Tolerance to Zebra Chip Disease. <i>Phytopathology</i> , 2015, 105, 1573-1584.	1.1	15
35	Effects of Potato-Psyllid-Vectored <i>Candidatus Liberibacter solanacearum</i> ™ Infection on Potato Leaf and Stem Physiology. <i>Phytopathology</i> , 2015, 105, 189-198.	1.1	27
36	De Novo Genome Sequence of <i>Candidatus Liberibacter solanacearum</i> ™ from a Single Potato Psyllid in California. <i>Genome Announcements</i> , 2015, 3, .	0.8	9

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37	Silicon-Induced Systemic Defense Responses in Perennial Ryegrass Against Infection by <i>Magnaporthe oryzae</i> . <i>Phytopathology</i> , 2015, 105, 748-757.	1.1	95
38	Indirect Effects of One Plant Pathogen on the Transmission of a Second Pathogen and the Behavior of its Potato Psyllid Vector. <i>Environmental Entomology</i> , 2015, 44, 1065-1075.	0.7	9
39	Effects of Glassy-Winged Sharpshooter (Hemiptera: Cicadellidae) Feeding, Size, and Lipid Content on Egg Maturation. <i>Journal of Economic Entomology</i> , 2015, 108, 1014-1024.	0.8	13
40	Whole-Genome Sequence of <i>Candidatus</i> <i>Liberibacter solanacearum</i> Strain R1 from California. <i>Genome Announcements</i> , 2014, 2, .	0.8	9
41	Similarities and Differences in Physiological Responses to <i>Candidatus</i> <i>Liberibacter solanacearum</i> ™ Infection Among Different Potato Cultivars. <i>Phytopathology</i> , 2014, 104, 126-133.	1.1	31
42	Tri-trophic movement of carotenoid pigments from host plant to the parasitoid of a caterpillar. <i>Journal of Insect Physiology</i> , 2014, 61, 58-65.	0.9	2
43	Attraction of the egg parasitoid, <i>Gonatocerus ashmeadi</i> Girault (Hymenoptera: Mymaridae) to synthetic formulation of a (E)- β -ocimene and (E,E)- β -farnesene mixture. <i>Biological Control</i> , 2014, 77, 23-28.	1.4	16
44	Structure assignment and H/D-exchange behavior of several glycosylated polyphenols. <i>Arkivoc</i> , 2014, 2014, 94-122.	0.3	1
45	Effects of cultivar, phenology, and <i>Xylella fastidiosa</i> infection on grapevine xylem sap and tissue phenolic content. <i>Physiological and Molecular Plant Pathology</i> , 2013, 84, 28-35.	1.3	20
46	Scanning electron microscopy and in vitro cultivation of endophytic bacteria from potato tubers afflicted with zebra chip disease. <i>Canadian Journal of Plant Pathology</i> , 2013, 35, 192-199.	0.8	7
47	Zebra Chip Disease and Potato Biochemistry: Tuber Physiological Changes in Response to <i>Candidatus</i> <i>Liberibacter solanacearum</i> ™ Infection Over Time. <i>Phytopathology</i> , 2013, 103, 419-426.	1.1	53
48	Grapevine rootstock effects on scion sap phenolic levels, resistance to <i>Xylella fastidiosa</i> infection, and progression of Pierce's disease. <i>Frontiers in Plant Science</i> , 2013, 4, 502.	1.7	52
49	Grapevine Phenolic Compounds in Xylem Sap and Tissues Are Significantly Altered During Infection by <i>Xylella fastidiosa</i> . <i>Phytopathology</i> , 2012, 102, 816-826.	1.1	66
50	Zebra chip-diseased potato tubers are characterized by increased levels of host phenolics, amino acids, and defense-related proteins. <i>Physiological and Molecular Plant Pathology</i> , 2012, 78, 66-72.	1.3	58
51	Differential effects of nutrient availability on the secondary metabolism of Austrian pine (<i>Pinus</i>) Tj ETQq1 1 0.784314 rgBT _{0.5} /Overlook		
52	Ecosystem, Location, and Climate Effects on Foliar Secondary Metabolites of Lodgepole Pine Populations from Central British Columbia. <i>Journal of Chemical Ecology</i> , 2011, 37, 607-621.	0.9	22
53	Lodgepole pine provenances differ in chemical defense capacities against foliage and stem diseases. <i>Canadian Journal of Forest Research</i> , 2010, 40, 2333-2344.	0.8	38
54	Effects of Fertilization and Fungal and Insect Attack on Systemic Protein Defenses of Austrian Pine. <i>Journal of Chemical Ecology</i> , 2008, 34, 1392-1400.	0.9	16

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55	Systemic induction of phloem secondary metabolism and its relationship to resistance to a canker pathogen in Austrian pine. <i>New Phytologist</i> , 2008, 177, 767-778.	3.5	106
56	Adaptation of plum pox virus to a herbaceous host (<i>Pisum sativum</i>) following serial passages. <i>Journal of General Virology</i> , 2007, 88, 2839-2845.	1.3	68
57	Cross-induction of systemic induced resistance between an insect and a fungal pathogen in Austrian pine over a fertility gradient. <i>Oecologia</i> , 2007, 153, 365-374.	0.9	40
58	Aphid (Hemiptera: Aphididae) Species Composition and Potential Aphid Vectors of Plum Pox Virus in Pennsylvania Peach Orchards. <i>Journal of Economic Entomology</i> , 2005, 98, 1441-1450.	0.8	15