

Stephen M Marek

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

668
citations

687363

13
h-index

580821

25
g-index

42
all docs

42
docs citations

42
times ranked

762
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon supplements affect floricultural quality traits and elemental nutrient concentrations of greenhouse produced gerbera. <i>Scientia Horticulturae</i> , 2010, 123, 390-394.	3.6	72
2	Global Gene Expression Profiling During <i>Medicago truncatula</i> – <i>Phymatotrichopsis omnivora</i> Interaction Reveals a Role for Jasmonic Acid, Ethylene, and the Flavonoid Pathway in Disease Development. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 7-17.	2.6	65
3	Silicon Supplements Affect Horticultural Traits of Greenhouse-produced Ornamental Sunflowers. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 236-239.	1.0	64
4	Nuclear DNA degradation during heterokaryon incompatibility in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2003, 40, 126-137.	2.1	59
5	Evaluation of silicon as a nutritional supplement for greenhouse zinnia production. <i>Scientia Horticulturae</i> , 2009, 119, 297-301.	3.6	44
6	Development of a Rapid, Sensitive, and Field-Deployable Razor Ex BioDetection System and Quantitative PCR Assay for Detection of <i>Phymatotrichopsis omnivora</i> Using Multiple Gene Targets. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2312-2320.	3.1	32
7	Parasitic <i>Meloidogyne</i> and mutualistic <i>Acremonium</i> increase chitinase in tall fescue. <i>Journal of Chemical Ecology</i> , 1992, 18, 1107-1116.	1.8	31
8	<i>Phymatotrichum</i> (cotton) root rot caused by <i>Phymatotrichopsis omnivora</i> : retrospects and prospects. <i>Molecular Plant Pathology</i> , 2010, 11, 325-334.	4.2	30
9	A new approach for detecting fungal and oomycete plant pathogens in next generation sequencing metagenome data utilising electronic probes. <i>International Journal of Data Mining and Bioinformatics</i> , 2015, 12, 115.	0.1	26
10	Molecular systematics of the cotton root rot pathogen, <i>Phymatotrichopsis omnivora</i> . <i>Personia: Molecular Phylogeny and Evolution of Fungi</i> , 2009, 22, 63-74.	4.4	24
11	<i>Fusarium</i> spp., <i>Cylindrocarpum</i> spp., and Environmental Stress in the Etiology of a Canker Disease of Cold-Stored Fruit and Nut Tree Seedlings in California. <i>Plant Disease</i> , 2013, 97, 259-270.	1.4	22
12	Development of an RNA interference (RNAi) gene knockdown protocol in the anaerobic gut fungus <i>Pecoramyces ruminantium</i> strain C1A. <i>PeerJ</i> , 2018, 6, e4276.	2.0	17
13	Influence of Temperature and Time of Year on Colonization of Bermudagrass Roots by <i>Ophiosphaerella herpotricha</i> . <i>Plant Disease</i> , 2006, 90, 1326-1330.	1.4	15
14	Infection and Colonization of Turf-Type Bermudagrass by <i>Ophiosphaerella herpotricha</i> Expressing Green or Red Fluorescent Proteins. <i>Phytopathology</i> , 2010, 100, 415-423.	2.2	15
15	Inferring the presence of aflatoxin-producing <i>Aspergillus flavus</i> strains using RNA sequencing and electronic probes as a transcriptomic screening tool. <i>PLoS ONE</i> , 2018, 13, e0198575.	2.5	13
16	Morphological and molecular characterisation of <i>Puccinia lagenophorae</i> , now present in central North America. <i>Annals of Applied Biology</i> , 2005, 147, 35-42.	2.5	12
17	Population Structure of <i>Pythium irregulare</i> , <i>P. ultimum</i> , and <i>P. sylvaticum</i> in Forest Nursery Soils of Oregon and Washington. <i>Phytopathology</i> , 2015, 105, 684-694.	2.2	12
18	Development of simple sequence repeat (SSR) markers for discrimination among isolates of <i>Fusarium proliferatum</i> . <i>Journal of Microbiological Methods</i> , 2016, 126, 12-17.	1.6	12

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19	Effect of Moisture Content and Inoculum Size on Cell Wall Composition and Ethanol Yield from Switchgrass after Solid-State <i>Pleurotus ostreatus</i> Treatment. Transactions of the ASABE, 2018, 61, 1997-2006.	1.1	12
20	Molecular Identification and Multilocus Phylogeny of <i>Ophiosphaerella</i> Species Associated with Spring Dead Spot of Bermudagrass. Crop Science, 2017, 57, S-249.	1.8	11
21	Species Composition and Seasonal Occurrence of <i>Phyllophaga</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Entomology, 2008, 101, 1624-1632.	1.8	10
22	Determination of Chitinase Activity in Tall Fescue by Near Infrared Reflectance Spectroscopy. Crop Science, 1994, 34, 1070-1073.	1.8	8
23	Silver Stain Detection of Chitinolytic Enzymes after Polyacrylamide Gel Electrophoresis. Analytical Biochemistry, 1995, 230, 184-185.	2.4	8
24	Highly Sensitive End-Point PCR and SYBR Green qPCR Detection of <i>Phymatotrichopsis omnivora</i> , Causal Fungus of Cotton Root Rot. Plant Disease, 2014, 98, 1205-1212.	1.4	8
25	A step towards validation of high-throughput sequencing for the identification of plant pathogenic oomycetes. Phytopathology, 2022, , .	2.2	8
26	Identification and characterization of simple sequence repeats (SSRs) for population studies of <i>Puccinia novopanici</i> . Journal of Microbiological Methods, 2017, 139, 113-122.	1.6	6
27	CORRELATION BETWEEN TISSUE AND SUBSTRATE SILICON CONCENTRATION OF GREENHOUSE PRODUCED ORNAMENTAL SUNFLOWERS. Journal of Plant Nutrition, 2010, 34, 217-223.	1.9	5
28	Infection and Colonization of Several Bermudagrasses by <i>Ophiosphaerella korrae</i> . Phytopathology, 2015, 105, 656-661.	2.2	4
29	The effect of prescribed fire on <i>Biscogniauxia</i> infection and $\delta^{13}C$ in an upland oak-pine forest. Forest Ecology and Management, 2019, 451, 117525.	3.2	4
30	Races, disease symptoms and genetic variability in <i>Pyrenophora tritici-repentis</i> isolates from Oklahoma that cause tan spot of winter wheat. Cereal Research Communications, 0, , 1.	1.6	4
31	The first genomic resources for <i>Phymatotrichopsis omnivora</i> , a soil-borne pezizomycete pathogen with a broad host range. Phytopathology, 2021, , PHYTO01210014A.	2.2	3
32	First Report of Ergot of Bermudagrass Caused by <i>Claviceps cynodontis</i> in Oklahoma. Plant Disease, 2006, 90, 376-376.	1.4	3
33	First Report of Dollar Spot of Buffalograss Caused by <i>Sclerotinia homoeocarpa</i> in Oklahoma. Plant Disease, 2008, 92, 1249-1249.	1.4	3
34	Chitinase Activity in Tall Fescue Seedlings as Affected by Cultivar, Seedling Development, and Ethephon. Crop Science, 2000, 40, 713-716.	1.8	2
35	A noncanonical poly(A) RNA polymerase gene affects morphology in <i>Phoma medicaginis</i> . Fungal Genetics and Biology, 2018, 111, 47-59.	2.1	1
36	Unique gene <i>Pmhyp</i> controlling melanization of pycnidia in <i>Phoma medicaginis</i> . Fungal Genetics and Biology, 2019, 125, 53-59.	2.1	1

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37	Effects of Copper, Manganese, and Glucose on the Induction of Ligninolytic Enzymes Produced by <i>Pleurotus ostreatus</i> during Fungal Pretreatment of Switchgrass. Transactions of the ASABE, 2019, 62, 1673-1681.	1.1	1
38	Genetic Diversity and Potential Inoculum Sources of <i>Fusarium</i> Species Causing Cankers in Bareroot-Propagated Almond Trees in California Nurseries. Plant Disease, 2021, , .	1.4	1
39	Reactive oxygen species production in response to <i>Ophiostoma</i> spp. colonization of bermudagrass roots. Acta Horticulturae, 2016, , 41-48.	0.2	0