

Myron L Smith

List of Publications by Year in descending order

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92
papers

3,127
citations

159585

30
h-index

168389

53
g-index

94
all docs

94
docs citations

94
times ranked

3035
citing authors

#	ARTICLE	IF	CITATIONS
1	A Broad Review of Soybean Research on the Ongoing Race to Overcome Soybean Cyst Nematode. <i>Biology</i> , 2022, 11, 211.	2.8	8
2	Ethnobotany and ethnopharmacology in the Americas. <i>Botany</i> , 2022, 100, v-v.	1.0	0
3	Discovery and identification of genes involved in DNA damage repair in yeast. <i>Gene</i> , 2022, , 146549.	2.2	2
4	Lithium chloride sensitivity connects the activity of PEX11 and RIM20 to the translation of PGM2 and other mRNAs with structured 5' UTRs. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 2643-2656.	3.1	3
5	Soil invertebrate toxicity and bioaccumulation of nano copper oxide and copper sulphate in soils, with and without biosolids amendment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 217, 112222.	6.0	11
6	Propionic acid disrupts endocytosis, cell cycle, and cellular respiration in yeast. <i>BMC Research Notes</i> , 2021, 14, 335.	1.4	4
7	A metabolomic study of vegetative incompatibility in <i>Cryphonectria parasitica</i> . <i>Fungal Genetics and Biology</i> , 2021, 157, 103633.	2.1	3
8	Transcriptome analysis implicates secondary metabolite production, redox reactions, and programmed cell death during allelorecognition in <i>Cryphonectria parasitica</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, 1-13.	1.8	4
9	Mode of action of nisin on <i>Escherichia coli</i> . <i>Canadian Journal of Microbiology</i> , 2020, 66, 161-168.	1.7	8
10	Draft genome assembly and annotation of the masked birch caterpillar, <i>Drepana arcuata</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10	1.0	2
11	Lithium Chloride Sensitivity in Yeast and Regulation of Translation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5730.	4.1	8
12	Transcriptome analysis of a social caterpillar, <i>Drepana arcuata</i> : De novo assembly, functional annotation and developmental analysis. <i>PLoS ONE</i> , 2020, 15, e0234903.	2.5	9
13	Genome Sequence of the Chestnut Blight Fungus <i>Cryphonectria parasitica</i> EP155: A Fundamental Resource for an Archetypical Invasive Plant Pathogen. <i>Phytopathology</i> , 2020, 110, 1180-1188.	2.2	34
14	Volatile organic compounds kill the white-nose syndrome fungus, <i>Pseudogymnoascus destructans</i> , in hibernaculum sediment. <i>Canadian Journal of Microbiology</i> , 2020, 66, 593-599.	1.7	10
15	Sensitivity of yeast to lithium chloride connects the activity of YTA6 and YPR096C to translation of structured mRNAs. <i>PLoS ONE</i> , 2020, 15, e0235033.	2.5	9
16	Title is missing!. , 2020, 15, e0235033.		0
17	Title is missing!. , 2020, 15, e0235033.		0
18	Title is missing!. , 2020, 15, e0235033.		0

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19	Title is missing!. , 2020, 15, e0235033.		0
20	Title is missing!. , 2020, 15, e0235033.		0
21	Title is missing!. , 2020, 15, e0235033.		0
22	Title is missing!. , 2020, 15, e0235033.		0
23	Title is missing!. , 2020, 15, e0235033.		0
24	Genomic Identification of the TOR Signaling Pathway as a Target of the Plant Alkaloid Antofine in the Phytopathogen <i>Fusarium graminearum</i> . <i>MBio</i> , 2019, 10, .	4.1	10
25	Balancing selection at nonself recognition loci in the chestnut blight fungus, <i>Cryphonectria parasitica</i> , demonstrated by trans-species polymorphisms, positive selection, and even allele frequencies. <i>Heredity</i> , 2018, 121, 511-523.	2.6	14
26	Clonal evolution and genome stability in a 2500-year-old fungal individual. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182233.	2.6	39
27	<i>Echinacea</i> biotechnology: advances, commercialization and future considerations. <i>Pharmaceutical Biology</i> , 2018, 56, 485-494.	2.9	29
28	Zinc oxide and silver nanoparticles toxicity in the baker's yeast, <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2018, 13, e0193111.	2.5	42
29	Microbial inhibitors of the fungus <i>Pseudogymnoascus destructans</i> , the causal agent of white-nose syndrome in bats. <i>PLoS ONE</i> , 2017, 12, e0179770.	2.5	27
30	The sensitivity of the yeast, <i>Saccharomyces cerevisiae</i> , to acetic acid is influenced by <i>DOM34</i> and <i>RPL36A</i> . <i>PeerJ</i> , 2017, 5, e4037.	2.0	15
31	Antifungal Saponins from the Maya Medicinal Plant <i>Cestrum schlechtendahlia</i> G. Don (Solanaceae). <i>Phytotherapy Research</i> , 2016, 30, 439-446.	5.8	13
32	Genetic evidence for mixed broods and extra-pair matings in a socially monogamous biparental cichlid fish. <i>Behaviour</i> , 2015, 152, 1507-1526.	0.8	11
33	Antimicrobial activities of <i>Marcgraviaceae</i> species and isolation of a naphthoquinone from <i>Marcgravia nervosa</i> (<i>Marcgraviaceae</i>). <i>Botany</i> , 2015, 93, 413-424.	1.0	1
34	Metabolism of n-C10 and n-C11 fatty acids by <i>Trichoderma koningii</i> , <i>Penicillium janthinellum</i> and their mixed culture: I. Biomass and CO ₂ production, and allocation of intracellular lipids. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014, 49, 945-954.	1.5	3
35	Metabolism of n-C11 fatty acid fed to <i>Trichoderma koningii</i> and <i>Penicillium janthinellum</i> : II: Production of intracellular and extracellular lipids. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014, 49, 955-965.	1.5	3
36	Experimental evolution of bet hedging under manipulated environmental uncertainty in <i>Neurospora crassa</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140706.	2.6	55

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37	A global investigation of gene deletion strains that affect premature stop codon bypass in yeast, <i>Saccharomyces cerevisiae</i> . <i>Molecular BioSystems</i> , 2014, 10, 916-924.	2.9	27
38	Elimination of Bioweapons Agents from Forensic Samples During Extraction of Human DNA. <i>Journal of Forensic Sciences</i> , 2014, 59, 1530-1540.	1.6	4
39	Alkamides from Echinacea disrupt the fungal cell wall-membrane complex. <i>Phytomedicine</i> , 2014, 21, 435-442.	5.3	18
40	Disruption of protein synthesis as antifungal mode of action by chitosan. <i>International Journal of Food Microbiology</i> , 2013, 164, 108-112.	4.7	82
41	Nonself Recognition Through Intermolecular Disulfide Bond Formation of Ribonucleotide Reductase in <i>Neurospora</i> . <i>Genetics</i> , 2013, 193, 1175-1183.	2.9	3
42	Trans-species activity of a nonself recognition domain. <i>BMC Microbiology</i> , 2013, 13, 63.	3.3	2
43	Thymol antifungal mode of action involves telomerase inhibition. <i>Medical Mycology</i> , 2013, 51, 826-834.	0.7	22
44	Large-scale investigation of oxygen response mutants in <i>Saccharomyces cerevisiae</i> . <i>Molecular BioSystems</i> , 2013, 9, 1351.	2.9	24
45	The Antifungal Eugenol Perturbs Dual Aromatic and Branched-Chain Amino Acid Permeases in the Cytoplasmic Membrane of Yeast. <i>PLoS ONE</i> , 2013, 8, e76028.	2.5	58
46	Molecular Characterization of Vegetative Incompatibility Genes That Restrict Hypovirus Transmission in the Chestnut Blight Fungus <i>Cryphonectria parasitica</i> . <i>Genetics</i> , 2012, 190, 113-127.	2.9	128
47	Diverse interactions mediate asymmetric incompatibility by the het-6 supergene complex in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2012, 49, 65-73.	2.1	12
48	Vibration detection and discrimination in the masked birch caterpillar (<i>Drepana arcuata</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2012, 198, 325-335.	1.6	30
49	Characterization of Human Antigenic Proteins SchS21 and SchS34 from <i>Stachybotrys chartarum</i> . <i>International Archives of Allergy and Immunology</i> , 2011, 155, 74-85.	2.1	17
50	Polymorphic microsatellite loci optimised for studies on the convict cichlid fish (<i>Amatitlania siquia</i>). <i>Environmental Biology of Fishes</i> , 2011, 92, 261-266.	1.0	11
51	The evolutionary origins of ritualized acoustic signals in caterpillars. <i>Nature Communications</i> , 2010, 1, 4.	12.8	58
52	Remediating Office Environments of Spore-Forming Bacteria. <i>Journal of Occupational and Environmental Hygiene</i> , 2010, 7, 585-592.	1.0	10
53	Disruption of fungal cell wall by antifungal <i>Echinacea</i> extracts. <i>Medical Mycology</i> , 2010, 48, 949-958.	0.7	18
54	Grunting for worms: seismic vibrations cause <i>Diplocardia</i> earthworms to emerge from the soil. <i>Biology Letters</i> , 2009, 5, 16-19.	2.3	35

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55	Identification and application of AFLP-derived genetic markers for quantitative PCR-based tracking of <i>Bacillus</i> and <i>Paenibacillus</i> spp. released in soil. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1166-1175.	1.7	9
56	Real-time fluorescence-based detection of furanocoumarin photoadducts of DNA. <i>Phytochemical Analysis</i> , 2008, 19, 342-347.	2.4	15
57	Antifungal and antioxidant activities of the phytomedicine pipsissewa, <i>Chimaphila umbellata</i> . <i>Phytochemistry</i> , 2008, 69, 738-746.	2.9	38
58	Tests of the antibiotic properties of the invasive vine <i>Vincetoxicum rossicum</i> against bacteria, fungi and insects. <i>Biochemical Systematics and Ecology</i> , 2008, 36, 383-391.	1.3	32
59	Secondary Assays for Testing the Mode of Action of Natural Products with Bioactivity Against Fungi. <i>Pharmaceutical Biology</i> , 2008, 46, 16-25.	2.9	4
60	Colony size measurement of the yeast gene deletion strains for functional genomics. <i>BMC Bioinformatics</i> , 2007, 8, 117.	2.6	52
61	Development of AFLP-derived, functionally specific markers for environmental persistence studies of fungal strains. <i>Canadian Journal of Microbiology</i> , 2006, 52, 451-461.	1.7	11
62	Phytochemistry and Antifungal Properties of the Newly Discovered Tree <i>Pleodendron costaricense</i> . <i>Journal of Natural Products</i> , 2006, 69, 1005-1009.	3.0	41
63	The copy-number of plasmids and other genetic elements can be determined by SYBR-Green-based quantitative real-time PCR. <i>Journal of Microbiological Methods</i> , 2006, 65, 476-487.	1.6	69
64	Heterokaryon incompatibility function of barrage-associated vegetative incompatibility genes (<i>vic</i>) in <i>Cryphonectria parasitica</i> . <i>Mycologia</i> , 2006, 98, 43-50.	1.9	14
65	Heterokaryon incompatibility function of barrage-associated vegetative incompatibility genes (<i>vic</i>) in <i>Cryphonectria parasitica</i> . <i>Mycologia</i> , 2006, 98, 43-50.	1.9	26
66	A Nonself Recognition Gene Complex in <i>Neurospora crassa</i> . <i>Genetics</i> , 2006, 173, 1991-2004.	2.9	30
67	Modern Biological Approaches to Folk Medicines and Traditional Antifungal Therapies. <i>International Journal of Technology, Knowledge and Society</i> , 2006, 2, 171-180.	0.2	1
68	Antifungal constituents of Northern prickly ash, <i>Zanthoxylum americanum</i> Mill.. <i>Phytomedicine</i> , 2005, 12, 370-377.	5.3	33
69	Inhibition of DNA Polymerization and Antifungal Specificity of Furanocoumarins Present in Traditional Medicines. <i>Photochemistry and Photobiology</i> , 2004, 79, 506.	2.5	17
70	Determining the environmental fate of a filamentous fungus, <i>Trichoderma reesei</i> , in laboratory-contained intact soil-core microcosms using competitive PCR and viability plating. <i>Canadian Journal of Microbiology</i> , 2004, 50, 623-631.	1.7	18
71	Inhibition of DNA Polymerization and Antifungal Specificity of Furanocoumarins Present in Traditional Medicines. <i>Photochemistry and Photobiology</i> , 2004, 79, 506-510.	2.5	0
72	Differentiation between subpopulations of a polychromatic damselfly with respect to morph frequencies, but not neutral genetic markers. <i>Molecular Ecology</i> , 2003, 12, 3505-3513.	3.9	31

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73	Inhibition of human pathogenic fungi by members of Zingiberaceae used by the Kenyah (Indonesian) Tj ETQq1 1 0.784314 rgBT /Over	4.1	67
74	On the independence of barrage formation and heterokaryon incompatibility in <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2003, 38, 209-219.	2.1	32
75	Programmed cell death correlates with virus transmission in a filamentous fungus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2269-2276.	2.6	126
76	Isolation of an antimicrobial compound from <i>Impatiens balsamina</i> L. using bioassay-guided fractionation. <i>Phytotherapy Research</i> , 2001, 15, 676-680.	5.8	80
77	Caterpillar talk: Acoustically mediated territoriality in larval Lepidoptera. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11371-11375.	7.1	75
78	Light-Mediated Antifungal Activity of Echinacea Extracts. <i>Planta Medica</i> , 2000, 66, 241-244.	1.3	59
79	Molecular and Functional Analyses of Incompatibility Genes at <i>het-6</i> in a Population of <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2000, 30, 197-205.	2.1	32
80	Antimicrobial activity of extracts of eastern North American hardwood trees and relation to traditional medicine. <i>Journal of Ethnopharmacology</i> , 2000, 73, 161-170.	4.1	72
81	Antifungal activity of extracts from medicinal plants used by First Nations Peoples of eastern Canada. <i>Journal of Ethnopharmacology</i> , 2000, 73, 191-198.	4.1	66
82	The Product of the <i>het-C</i> Heterokaryon Incompatibility Gene of <i>Neurospora crassa</i> Has Characteristics of a Glycine-Rich Cell Wall Protein. <i>Genetics</i> , 1996, 143, 1589-1600.	2.9	81
83	Escape From <i>het-6</i> Incompatibility in <i>Neurospora crassa</i> Partial Diploids Involves Preferential Deletion Within the Ectopic Segment. <i>Genetics</i> , 1996, 144, 523-531.	2.9	33
84	Mapping translocation breakpoints by orthogonal field agarose-gel electrophoresis. <i>Current Genetics</i> , 1996, 29, 301-305.	1.7	0
85	Genetic exchange between diploid and haploid mycelia of <i>Armillaria gallica</i> . <i>Mycological Research</i> , 1995, 99, 641-647.	2.5	36
86	Mitochondrial DNAs of the fungus <i>Armillaria ostoyae</i> : restriction map and length variation. <i>Current Genetics</i> , 1994, 25, 545-553.	1.7	14
87	Structure and function of a mating-type gene from the homothallic species <i>Neurospora africana</i> . <i>Molecular Genetics and Genomics</i> , 1994, 244, 401-409.	2.4	83
88	Molecular characterization of mating-type loci in selected homothallic species of <i>Neurospora</i> , <i>Gelasinospora</i> and <i>Anixiella</i> . <i>Mycological Research</i> , 1994, 98, 1309-1316.	2.5	50
89	The fungus <i>Armillaria bulbosa</i> is among the largest and oldest living organisms. <i>Nature</i> , 1992, 356, 428-431.	27.8	612
90	Restriction fragment length polymorphisms in mitochondrial DNAs of <i>Armillaria</i> : identification of North American biological species. <i>Mycological Research</i> , 1989, 93, 247-256.	2.5	83

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91	Restriction Fragment Polymorphisms in Biological Species of <i>Armillaria mellea</i> . <i>Mycologia</i> , 1987, 79, 69.	1.9	55
92	Restriction Fragment Polymorphisms in Biological Species of <i>Armillaria Mellea</i> . <i>Mycologia</i> , 1987, 79, 69-76.	1.9	92