

Carolyn Anne Young

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Genetic diversity of <i>Phymatotrichopsis omnivora</i> based on mating type and microsatellite markers reveal heterothallic mating system. <i>Plant Disease</i> , 2022, , .	0.7	0
2	Cross-species transcriptomics identifies core regulatory changes differentiating the asymptomatic asexual and virulent sexual life cycles of grass-symbiotic <i>Epichloa</i> fungi. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	4
3	Intraspecific Variation for Leaf Physiological and Root Morphological Adaptation to Drought Stress in Alfalfa (<i>Medicago sativa</i> L.). <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	7
4	Telomere-to-Telomere Genome Sequences across a Single Genus Reveal Highly Variable Chromosome Rearrangement Rates but Absolute Stasis of Chromosome Number. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 6, 1011-1024. doi:10.3389/jof.2021.617111	0.0	0
5	Mating Type Idiomorphs, Heterothallism, and High Genetic Diversity in <i>Venturia carpophila</i> , Cause of Peach Scab. <i>Phytopathology</i> , 2021, 111, 408-424.	1.1	5
6	The first genomic resources for <i>Phymatotrichopsis omnivora</i> , a soil-borne peizizomycete pathogen with a broad host range. <i>Phytopathology</i> , 2021, , PHYTO01210014A.	1.1	3
7	Genetic Diversity of the Symbiotic Fungus <i>Epichloa festucae</i> in Naturally Occurring Host Grass Populations. <i>Frontiers in Microbiology</i> , 2021, 12, 756991.	1.5	3
8	Chromosome-Level Reference Genome of <i>Venturia effusa</i> , Causative Agent of Pecan Scab. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 149-152.	1.4	14
9	Foliage and fruit susceptibility of a pecan provenance collection to scab, caused by <i>Venturia effusa</i> . <i>CABI Agriculture and Bioscience</i> , 2020, 1, .	1.1	6
10	Endophytes matter: Variation of dung beetle performance across different endophyte-infected tall fescue cultivars. <i>Applied Soil Ecology</i> , 2020, 152, 103561.	2.1	5
11	First description of the sexual stage of <i>Venturia effusa</i> , causal agent of pecan scab. <i>Mycologia</i> , 2020, 112, 711-721.	0.8	11
12	Simulated folivory increases vertical transmission of fungal endophytes that deter herbivores and alter tolerance to herbivory in <i>Poa autumnalis</i> . <i>Annals of Botany</i> , 2020, 125, 981-991.	1.4	10
13	<i>Epichloa</i> Endophyte Infection Rates and Alkaloid Content in Commercially Available Grass Seed Mixtures in Europe. <i>Microorganisms</i> , 2020, 8, 498.	1.6	8
14	<i>Epichloe novae-zelandiae</i> , a new endophyte from the endemic New Zealand grass <i>Poa matthewsii</i> . <i>New Zealand Journal of Botany</i> , 2019, 57, 271-288.	0.8	16
15	Digital Imaging to Evaluate Root System Architectural Changes Associated with Soil Biotic Factors. <i>Phytobiomes Journal</i> , 2019, 3, 102-111.	1.4	13
16	Transcriptome Analysis and Differential Expression in Tall Fescue Harboring Different Endophyte Strains in Response to Water Deficit. <i>Plant Genome</i> , 2019, 12, 180071.	1.6	29
17	Infection Rates and Alkaloid Patterns of Different Grass Species with Systemic <i>Epichloa</i> Endophytes. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	18
18	Comparison and Diet Preference of Novel Endophyte-Infected Tall Fescue Cultivars. <i>Crop Science</i> , 2019, 59, 1317-1329.	0.8	8

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19	Does host outcrossing disrupt compatibility with heritable symbionts?. <i>Oikos</i> , 2019, 128, 892-903.	1.2	7
20	Efficient nonenzymatic cyclization and domain shuffling drive pyrrolopyrazine diversity from truncated variants of a fungal NRPS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25614-25623.	3.3	27
21	Orthologous peramine and pyrrolopyrazine-producing biosynthetic gene clusters in <i>Metarhizium rileyi</i> , <i>Metarhizium majus</i> and <i>Cladonia grayi</i> . <i>Environmental Microbiology</i> , 2019, 21, 928-939.	1.8	6
22	Leaf endophytes mediate fertilizer effects on plant yield and traits in northern oat grass (<i>Trisetum</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.8	13
23	Variation Among Orchardgrass (<i>Dactylis glomerata</i>) Germplasm for Choke Prevalence Caused by <i>Epichloa typhina</i> . <i>Plant Disease</i> , 2019, 103, 324-330.	0.7	5
24	Evidence for Sexual Reproduction: Identification, Frequency, and Spatial Distribution of <i>Venturia effusa</i> (Pecan Scab) Mating Type Idiomorphs. <i>Phytopathology</i> , 2018, 108, 837-846.	1.1	19
25	Molecular identification and characterization of endophytes from uncultivated barley. <i>Mycologia</i> , 2018, 110, 453-472.	0.8	7
26	Disruption of calcineurin catalytic subunit (<i>cnaA</i>) in <i>Epichloa festucae</i> induces symbiotic defects and intrahyphal hyphae formation. <i>Molecular Plant Pathology</i> , 2018, 19, 1414-1426.	2.0	10
27	Repeat elements organise 3D genome structure and mediate transcription in the filamentous fungus <i>Epichloa festucae</i> . <i>PLoS Genetics</i> , 2018, 14, e1007467.	1.5	79
28	Registration of "Chisholm" Summer Dormant Tall Fescue. <i>Journal of Plant Registrations</i> , 2018, 12, 293-299.	0.4	2
29	Fine-Scale Population Genetic Structure and Within-Tree Distribution of Mating Types of <i>Venturia effusa</i> , Cause of Pecan Scab in the United States. <i>Phytopathology</i> , 2018, 108, 1326-1336.	1.1	13
30	Supervised Classification of RGB Aerial Imagery to Evaluate the Impact of a Root Rot Disease. <i>Remote Sensing</i> , 2018, 10, 917.	1.8	27
31	A Year of Phytobiomes. <i>Phytobiomes Journal</i> , 2018, 2, 53-54.	1.4	2
32	Population Genetic Structure of <i>Venturia effusa</i> , Cause of Pecan Scab, in the Southeastern United States. <i>Phytopathology</i> , 2017, 107, 607-619.	1.1	22
33	Metabolism or behavior: explaining the performance of aphids on alkaloid-producing fungal endophytes in annual ryegrass (<i>Lolium multiflorum</i>). <i>Oecologia</i> , 2017, 185, 245-256.	0.9	22
34	Variation in the Prevalence and Transmission of Heritable Symbionts Across Host Populations in Heterogeneous Environments. <i>Microbial Ecology</i> , 2017, 74, 640-653.	1.4	9
35	Interspecific and intraspecific hybrid <i>Epichloa</i> species symbiotic with the North American native grass <i>Poa alsodes</i> . <i>Mycologia</i> , 2017, 109, 459-474.	0.8	30
36	Toxin-producing <i>Epichloa bromicola</i> strains symbiotic with the forage grass <i>Elymus dahuricus</i> in China. <i>Mycologia</i> , 2017, 109, 847-859.	0.8	12

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37	Welcome to Phytobiomes. <i>Phytobiomes Journal</i> , 2017, 1, 3-4.	1.4	3
38	Long-term ungulate exclusion reduces fungal symbiont prevalence in native grasslands. <i>Oecologia</i> , 2016, 181, 1151-1161.	0.9	7
39	Endophytic <i>Epichloa</i> species and their grass hosts: from evolution to applications. <i>Plant Molecular Biology</i> , 2016, 90, 665-675.	2.0	125
40	The Effect of Endophytic Fungi on Nematode Populations in Summer-dormant and Summer-active Tall Fescue. <i>Journal of Nematology</i> , 2016, 48, 87-94.	0.4	5
41	De Novo Assembly and Characterization of Tall Fescue Transcriptome under Water Stress. <i>Plant Genome</i> , 2015, 8, eplantgenome2014.09.0050.	1.6	18
42	Vegetative Hyphal Fusion and Subsequent Nuclear Behavior in <i>Epichloa</i> Grass Endophytes. <i>PLoS ONE</i> , 2015, 10, e0121875.	1.1	20
43	Alkaloid Variation Among <i>Epichloid</i> Endophytes of Sleepygrass (<i>Achnatherum robustum</i>) and Consequences for Resistance to Insect Herbivores. <i>Journal of Chemical Ecology</i> , 2015, 41, 93-104.	0.9	46
44	A mutualistic endophyte alters the niche dimensions of its host plant. <i>AoB PLANTS</i> , 2015, 7, plv005-plv005.	1.2	24
45	Genetics, Genomics and Evolution of Ergot Alkaloid Diversity. <i>Toxins</i> , 2015, 7, 1273-1302.	1.5	83
46	Disparate Independent Genetic Events Disrupt the Secondary Metabolism Gene <i>perA</i> in Certain Symbiotic <i>Epichloa</i> Species. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2797-2807.	1.4	27
47	Two distinct <i>Epichloa</i> species symbiotic with <i>Achnatherum inebrians</i> , drunken horse grass. <i>Mycologia</i> , 2015, 107, 863-873.	0.8	62
48	Stockpiled Forage Yield and Nutritive Value of Summer-Dormant and Summer-Active Tall Fescue in a Marginal Environment. <i>Forage and Grazinglands</i> , 2014, 12, 1-9.	0.2	4
49	Characterization of <i>Epichloa coenophiala</i> within the US: are all tall fescue endophytes created equal?. <i>Frontiers in Chemistry</i> , 2014, 2, 95.	1.8	61
50	Alkaloid Genotype Diversity of Tall Fescue Endophytes. <i>Crop Science</i> , 2014, 54, 667-678.	0.8	49
51	Interspecific hybridization and bioactive alkaloid variation increases diversity in endophytic <i>Epichloa</i> species of <i>Bromus laevipes</i> . <i>FEMS Microbiology Ecology</i> , 2014, 90, 276-289.	1.3	52
52	Genomes of Plant-Associated Clavicipitaceae. <i>Advances in Botanical Research</i> , 2014, 70, 291-327.	0.5	28
53	Ether bridge formation in loline alkaloid biosynthesis. <i>Phytochemistry</i> , 2014, 98, 60-68.	1.4	40
54	Highly Sensitive End-Point PCR and SYBR Green qPCR Detection of <i>Phymatotrichopsis omnivora</i> , Causal Fungus of Cotton Root Rot. <i>Plant Disease</i> , 2014, 98, 1205-1212.	0.7	8

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55	Epichloa Endophytes: Models of an Ecological Strategy. , 2014, , 660-675.		1
56	4 Fungal Toxins of Agricultural Importance. , 2013, , 75-113.		1
57	Deletion and Gene Expression Analyses Define the Paxilline Biosynthetic Gene Cluster in <i>Penicillium paxilli</i> . <i>Toxins</i> , 2013, 5, 1422-1446.	1.5	29
58	Currencies of Mutualisms: Sources of Alkaloid Genes in Vertically Transmitted <i>Epichloae</i> . <i>Toxins</i> , 2013, 5, 1064-1088.	1.5	109
59	Plant-Symbiotic Fungi as Chemical Engineers: Multi-Genome Analysis of the Clavicipitaceae Reveals Dynamics of Alkaloid Loci. <i>PLoS Genetics</i> , 2013, 9, e1003323.	1.5	344
60	FORAGES AND PASTURES SYMPOSIUM: Fungal endophytes of tall fescue and perennial ryegrass: Pasture friend or foe? <i>Journal of Animal Science</i> , 2013, 91, 2379-2394.	0.2	112
61	Effects of selected endophyte and tall fescue cultivar combinations on steer grazing performance, indicators of fescue toxicosis, feedlot performance, and carcass traits. <i>Journal of Animal Science</i> , 2013, 91, 342-355.	0.2	13
62	Characterization and Effectiveness of Co-inoculation of <i>Sinorhizobium</i> Strains on Annual Medics. <i>Crop Science</i> , 2012, 52, 932-942.	0.8	3
63	Mediterranean and Continental Tall Fescue: I. Effects of Endophyte Status on Leaf Extension, Proline, Mono- and Disaccharides, Fructan, and Freezing Survivability. <i>Crop Science</i> , 2012, 52, 451-459.	0.8	12
64	Genotypic and Chemotypic Diversity of <i>Neotyphodium</i> Endophytes in Tall Fescue from Greece. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5501-5510.	1.4	65
65	<i>Epichloe canadensis</i> , a new interspecific epichloid hybrid symbiotic with Canada wildrye (<i>Elymus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1 0.8 35	0.8	35
66	Chemotypic diversity of epichloae, fungal symbionts of grasses. <i>Fungal Ecology</i> , 2012, 5, 331-344.	0.7	144
67	Endophytes of native grasses from South America: Biodiversity and ecology. <i>Fungal Ecology</i> , 2012, 5, 357-363.	0.7	42
68	Abundant Degenerate Miniature Inverted-Repeat Transposable Elements in Genomes of Epichloid Fungal Endophytes of Grasses. <i>Genome Biology and Evolution</i> , 2011, 3, 1253-1264.	1.1	35
69	Prevalence of an intraspecific <i>Neotyphodium</i> hybrid in natural populations of stout wood reed (<i>Cinna</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1 0.8 27	0.8	27
70	Effectiveness of <i>Sinorhizobium</i> Inoculants on Annual Medics. <i>Crop Science</i> , 2011, 51, 2249-2255.	0.8	8
71	Registration of "Texoma"™ MaxQ II Tall Fescue. <i>Journal of Plant Registrations</i> , 2011, 5, 14-18.	0.4	30
72	<i>Phymatotrichum</i> (cotton) root rot caused by <i>Phymatotrichopsis omnivora</i> : retrospects and prospects. <i>Molecular Plant Pathology</i> , 2010, 11, 325-334.	2.0	30

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73	Agronomic Performance and Lamb Health among Several Tall Fescue Novel Endophyte Combinations in the South-Central USA. <i>Crop Science</i> , 2010, 50, 1552-1561.	0.8	38
74	Regulation and Functional Analysis of Bioprotective Metabolite Genes from the Grass Symbiont <i>Epichloe festucae</i> . , 2010, , 199-213.		3
75	Genetic Variation within and among Wildrye (<i>Elymus canadensis</i>) and <i>E. virginicus</i> Populations from the Southern Great Plains. <i>Crop Science</i> , 2009, 49, 913-922.	0.8	13
76	In Planta Expression Screens of <i>Phytophthora infestans</i> RXLR Effectors Reveal Diverse Phenotypes, Including Activation of the <i>Solanum bulbocastanum</i> Disease Resistance Protein Rpi-blb2. <i>Plant Cell</i> , 2009, 21, 2928-2947.	3.1	376
77	Indole-Diterpene Biosynthetic Capability of <i>Epichloe</i> Endophytes as Predicted by <i>itm</i> Gene Analysis. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2200-2211.	1.4	92
78	Genome sequence and analysis of the Irish potato famine pathogen <i>Phytophthora infestans</i> . <i>Nature</i> , 2009, 461, 393-398.	13.7	1,405
79	Neotyphodium fungal endophytes confer physiological protection to perennial ryegrass (<i>Lolium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2.0 82		
80	The genetic basis for indole-diterpene chemical diversity in filamentous fungi. <i>Mycological Research</i> , 2008, 112, 184-199.	2.5	136
81	Effector Genomics Accelerates Discovery and Functional Profiling of Potato Disease Resistance and <i>Phytophthora infestans</i> Avirulence Genes. <i>PLoS ONE</i> , 2008, 3, e2875.	1.1	361
82	Structure and Function of RXLR Effectors of Plant Pathogenic Oomycetes. , 2008, , 161-171.		1
83	A complex gene cluster for indole-diterpene biosynthesis in the grass endophyte <i>Neotyphodium lolii</i> . <i>Fungal Genetics and Biology</i> , 2006, 43, 679-693.	0.9	172
84	The C-terminal half of <i>Phytophthora infestans</i> RXLR effector AVR3a is sufficient to trigger R3a-mediated hypersensitivity and suppress INF1-induced cell death in <i>Nicotiana benthamiana</i> . <i>Plant Journal</i> , 2006, 48, 165-176.	2.8	402
85	A Polyketide Synthase Gene Required for Biosynthesis of the Aflatoxin-like Toxin, Dothistromin. <i>Mycopathologia</i> , 2006, 161, 283-294.	1.3	41
86	The Malarial Host-Targeting Signal Is Conserved in the Irish Potato Famine Pathogen. <i>PLoS Pathogens</i> , 2006, 2, e50.	2.1	189
87	Molecular cloning and genetic analysis of a symbiosis-expressed gene cluster for lolitrem biosynthesis from a mutualistic endophyte of perennial ryegrass. <i>Molecular Genetics and Genomics</i> , 2005, 274, 13-29.	1.0	175
88	Structural analysis of a peptide synthetase gene required for ergopeptide production in the endophytic fungus <i>Neotyphodium lolii</i> . <i>DNA Sequence</i> , 2005, 16, 379-385.	0.7	14
89	Molecular analysis of two cytochrome P450 monooxygenase genes required for paxilline biosynthesis in <i>Penicillium paxilli</i> , and effects of paxilline intermediates on mammalian maxi-K ion channels. <i>Molecular Genetics and Genomics</i> , 2003, 270, 9-23.	1.0	54
90	Genetic Manipulation of Clavicipitalean Endophytes. , 2003, , .		0

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91	Molecular cloning and genetic analysis of an indole-diterpene gene cluster from <i>Penicillium paxilli</i> . <i>Molecular Microbiology</i> , 2001, 39, 754-764.	1.2	150
92	Elimination of ergovaline from a grass- <i>Neotyphodium</i> endophyte symbiosis by genetic modification of the endophyte. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12820-12825.	3.3	164
93	Functional Requirement of Plant Farnesyltransferase during Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2000, 12, 1267-1278.	3.1	98
94	Paxilline-negative mutants of <i>Penicillium paxilli</i> generated by heterologous and homologous plasmid integration. <i>Current Genetics</i> , 1998, 33, 368-377.	0.8	57
95	PCR amplification of the <i>fas</i> gene for the detection of virulent strains of <i>Rhodococcus fascians</i> . <i>Plant Pathology</i> , 1996, 45, 407-417.	1.2	62
96	Novel and Complex Chromosomal Arrangement of <i>Rhizobium loti</i> Nodulation Genes. <i>Molecular Plant-Microbe Interactions</i> , 1996, 9, 187.	1.4	46
97	Expression and nucleotide sequence of the <i>Clostridium acetobutylicum</i> beta-galactosidase gene cloned in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1991, 173, 3084-3095.	1.0	56
98	Nucleotide sequence of <i>Rhizobium loti nodI</i> . <i>Nucleic Acids Research</i> , 1990, 18, 6691-6691.	6.5	16
99	Population genetic diversity and structure of the pecan scab pathogen, <i>Venturia effusa</i> , on cv. Desirable and native seedlings, and the impact of marker number. <i>Plant Pathology</i> , 0, , .	1.2	3