

# Nikki D Charlton

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,058  
citations

17  
h-index

32  
g-index

33  
ext. papers

1,230  
ext. citations

3.7  
avg, IF

3.78  
L-index

#	Paper	IF	Citations
30	Mating Type Idiomorphs, Heterothallism, and High Genetic Diversity in , Cause of Peach Scab. <i>Phytopathology</i> , <b>2021</b> , 111, 408-424	3.8	1
29	First description of the sexual stage of , causal agent of pecan scab. <i>Mycologia</i> , <b>2020</b> , 112, 711-721	2.4	5
28	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> , <b>2020</b> , 125, 981-991	4.1	6
27	Chromosome-Level Reference Genome of , Causative Agent of Pecan Scab. <i>Molecular Plant-Microbe Interactions</i> , <b>2020</b> , 33, 149-152	3.6	6
26	Leaf endophytes mediate fertilizer effects on plant yield and traits in northern oat grass ( <i>Trisetum spicatum</i> ). <i>Plant and Soil</i> , <b>2019</b> , 434, 425-440	4.2	6
25	Variation Among Orchardgrass ( <i>Dactylis glomerata</i> ) Germplasm for Choke Prevalence Caused by <i>Epichloa typhina</i> . <i>Plant Disease</i> , <b>2019</b> , 103, 324-330	1.5	5
24	Evidence for Sexual Reproduction: Identification, Frequency, and Spatial Distribution of <i>Venturia effusa</i> (Pecan Scab) Mating Type Idiomorphs. <i>Phytopathology</i> , <b>2018</b> , 108, 837-846	3.8	11
23	Molecular identification and characterization of endophytes from uncultivated barley. <i>Mycologia</i> , <b>2018</b> , 110, 453-472	2.4	4
22	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> , <b>2018</b> , 108, 1326-1336	3.8	9
21	Population Genetic Structure of <i>Venturia effusa</i> , Cause of Pecan Scab, in the Southeastern United States. <i>Phytopathology</i> , <b>2017</b> , 107, 607-619	3.8	17
20	Interspecific and intraspecific hybrid <i>Epichloa</i> species symbiotic with the North American native grass <i>Poa alsodes</i> . <i>Mycologia</i> , <b>2017</b> , 109, 459-474	2.4	23
19	Long-term ungulate exclusion reduces fungal symbiont prevalence in native grasslands. <i>Oecologia</i> , <b>2016</b> , 181, 1151-61	2.9	6
18	A mutualistic endophyte alters the niche dimensions of its host plant. <i>AoB PLANTS</i> , <b>2015</b> , 7,	2.9	20
17	Genetics, genomics and evolution of ergot alkaloid diversity. <i>Toxins</i> , <b>2015</b> , 7, 1273-302	4.9	63
16	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> , <b>2015</b> , 81, 2797-807	4.8	24
15	Vegetative hyphal fusion and subsequent nuclear behavior in <i>Epichloa</i> grass endophytes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121875	3.7	13
14	Alkaloid variation among epichloid endophytes of sleepygrass ( <i>Achnatherum robustum</i> ) and consequences for resistance to insect herbivores. <i>Journal of Chemical Ecology</i> , <b>2015</b> , 41, 93-104	2.7	38

13	Characterization of Epichloa endophytes within the US: are all tall fescue endophytes created equal?. <i>Frontiers in Chemistry</i> , <b>2014</b> , 2, 95	5	46
12	Interspecific hybridization and bioactive alkaloid variation increases diversity in endophytic Epichloa species of Bromus laevipes. <i>FEMS Microbiology Ecology</i> , <b>2014</b> , 90, 276-89	4.3	49
11	Ether bridge formation in loline alkaloid biosynthesis. <i>Phytochemistry</i> , <b>2014</b> , 98, 60-8	4	34
10	Currencies of mutualisms: sources of alkaloid genes in vertically transmitted epichloae. <i>Toxins</i> , <b>2013</b> , 5, 1064-88	4.9	97
9	Plant-symbiotic fungi as chemical engineers: multi-genome analysis of the clavicipitaceae reveals dynamics of alkaloid loci. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003323	6	295
8	Epichloe canadensis, a new interspecific epichloid hybrid symbiotic with Canada wildrye (Elymus canadensis). <i>Mycologia</i> , <b>2012</b> , 104, 1187-99	2.4	31
7	Deletion of the fungal gene soft disrupts mutualistic symbiosis between the grass endophyte Epichloa festucae and the host plant. <i>Eukaryotic Cell</i> , <b>2012</b> , 11, 1463-71		39
6	Biodiversity of fungal endophyte communities inhabiting switchgrass (Panicum virgatum L.) growing in the native tallgrass prairie of northern Oklahoma. <i>Fungal Diversity</i> , <b>2011</b> , 47, 19-27	17.6	100
5	Prevalence of an intraspecific Neotyphodium hybrid in natural populations of stout wood reed (Cinna arundinacea L.) from eastern North America. <i>Mycologia</i> , <b>2011</b> , 103, 75-84	2.4	22
4	The Mycorrhizal Fungus, Sebacina vermifera, Enhances Seed Germination and Biomass Production in Switchgrass (Panicum virgatum L.). <i>Bioenergy Research</i> , <b>2009</b> , 2, 51-58	3.1	53
3	Detection of double-stranded RNA elements in the plant pathogenic fungus Rhizoctonia solani. <i>Methods in Molecular Biology</i> , <b>2009</b> , 508, 171-82	1.4	
2	Phylogenetic relatedness of the M2 double-stranded RNA in Rhizoctonia fungi. <i>Mycologia</i> , <b>2008</b> , 100, 555-64	2.4	24
1	Transmission of the M2 double-stranded RNA in Rhizoctonia solani anastomosis group 3 (AG-3). <i>Mycologia</i> , <b>2007</b> , 99, 859-67	2.4	10