# Nikki D Charlton

## List of Publications by Citations



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|---|---|---|---|
| 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 | Plant-symbiotic fungi as chemical engineers: multi-genome analysis of the clavicipitaceae reveals dynamics of alkaloid loci. *PLoS Genetics*, **2013**, 9, e1003323 | 6 | 295 |
| 29 | Biodiversity of fungal endophyte communities inhabiting switchgrass (Panicum virgatum L.) growing in the native tallgrass prairie of northern Oklahoma. *Fungal Diversity*, **2011**, 47, 19-27 | 17.6 | 100 |
| 28 | Currencies of mutualisms: sources of alkaloid genes in vertically transmitted epichloae. *Toxins*, **2013**, 5, 1064-88 | 4.9 | 97 |
| 27 | Genetics, genomics and evolution of ergot alkaloid diversity. *Toxins*, **2015**, 7, 1273-302 | 4.9 | 63 |
| 26 | The Mycorrhizal Fungus, Sebacina vermifera, Enhances Seed Germination and Biomass Production in Switchgrass (Panicum virgatum L). *Bioenergy Research*, **2009**, 2, 51-58 | 3.1 | 53 |
| 25 | Interspecific hybridization and bioactive alkaloid variation increases diversity in endophytic Epichlo□species of Bromus laevipes. *FEMS Microbiology Ecology*, **2014**, 90, 276-89 | 4.3 | 49 |
| 24 | Characterization of Epichlo□toenophiala within the US: are all tall fescue endophytes created equal?. *Frontiers in Chemistry*, **2014**, 2, 95 | 5 | 46 |
| 23 | Deletion of the fungal gene soft disrupts mutualistic symbiosis between the grass endophyte Epichlo□festucae and the host plant. *Eukaryotic Cell*, **2012**, 11, 1463-71 | | 39 |
| 22 | Alkaloid variation among epichloid endophytes of sleepygrass (Achnatherum robustum) and consequences for resistance to insect herbivores. *Journal of Chemical Ecology*, **2015**, 41, 93-104 | 2.7 | 38 |
| 21 | Ether bridge formation in loline alkaloid biosynthesis. *Phytochemistry*, **2014**, 98, 60-8 | 4 | 34 |
| 20 | Epichloe canadensis, a new interspecific epichloid hybrid symbiotic with Canada wildrye (Elymus canadensis). *Mycologia*, **2012**, 104, 1187-99 | 2.4 | 31 |
| 19 | Disparate independent genetic events disrupt the secondary metabolism gene perA in certain symbiotic Epichlo□species. *Applied and Environmental Microbiology*, **2015**, 81, 2797-807 | 4.8 | 24 |
| 18 | Phylogenetic relatedness of the M2 double-stranded RNA in Rhizoctonia fungi. *Mycologia*, **2008**, 100, 555-64 | 2.4 | 24 |
| 17 | Interspecific and intraspecific hybrid Epichlo□species symbiotic with the North American native grass Poa alsodes. *Mycologia*, **2017**, 109, 459-474 | 2.4 | 23 |
| 16 | Prevalence of an intraspecific Neotyphodium hybrid in natural populations of stout wood reed (Cinna arundinacea L.) from eastern North America. *Mycologia*, **2011**, 103, 75-84 | 2.4 | 22 |
| 15 | A mutualistic endophyte alters the niche dimensions of its host plant. *AoB PLANTS*, **2015**, 7, | 2.9 | 20 |
| 14 | Population Genetic Structure of Venturia effusa, Cause of Pecan Scab, in the Southeastern United States. *Phytopathology*, **2017**, 107, 607-619 | 3.8 | 17 |

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| 13 | Vegetative hyphal fusion and subsequent nuclear behavior in Epichlo grass endophytes. *PLoS ONE* , **2015**, 10, e0121875 | 3.7 | 13 |
| 12 | Evidence for Sexual Reproduction: Identification, Frequency, and Spatial Distribution of Venturia effusa (Pecan Scab) Mating Type Idiomorphs. *Phytopathology*, **2018**, 108, 837-846 | 3.8 | 11 |
| 11 | Transmission of the M2 double-stranded RNA in Rhizoctonia solani anastomosis group 3 (AG-3). *Mycologia*, **2007**, 99, 859-67 | 2.4 | 10 |
| 10 | Fine-Scale Population Genetic Structure and Within-Tree Distribution of Mating Types of Venturia effusa, Cause of Pecan Scab in the United States. *Phytopathology*, **2018**, 108, 1326-1336 | 3.8 | 9 |
| 9 | Simulated folivory increases vertical transmission of fungal endophytes that deter herbivores and alter tolerance to herbivory in Poa autumnalis. *Annals of Botany*, **2020**, 125, 981-991 | 4.1 | 6 |
| 8 | Chromosome-Level Reference Genome of , Causative Agent of Pecan Scab. *Molecular Plant-Microbe Interactions*, **2020**, 33, 149-152 | 3.6 | 6 |
| 7 | Long-term ungulate exclusion reduces fungal symbiont prevalence in native grasslands. *Oecologia*, **2016**, 181, 1151-61 | 2.9 | 6 |
| 6 | Leaf endophytes mediate fertilizer effects on plant yield and traits in northern oat grass (Trisetum spicatum). *Plant and Soil*, **2019**, 434, 425-440 | 4.2 | 6 |
| 5 | First description of the sexual stage of , causal agent of pecan scab. *Mycologia*, **2020**, 112, 711-721 | 2.4 | 5 |
| 4 | Variation Among Orchardgrass (Dactylis glomerata) Germplasm for Choke Prevalence Caused by Epichlo typhina. *Plant Disease*, **2019**, 103, 324-330 | 1.5 | 5 |
| 3 | Molecular identification and characterization of endophytes from uncultivated barley. *Mycologia*, **2018**, 110, 453-472 | 2.4 | 4 |
| 2 | Mating Type Idiomorphs, Heterothallism, and High Genetic Diversity in , Cause of Peach Scab. *Phytopathology*, **2021**, 111, 408-424 | 3.8 | 1 |
| 1 | Detection of double-stranded RNA elements in the plant pathogenic fungus Rhizoctonia solani. *Methods in Molecular Biology*, **2009**, 508, 171-82 | 1.4 | |