Gail W T Wilson

List of Publications by Year
in descending order

38 papers	3,153 citations	304743 22 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	3407 citing authors

#	Article	IF	Citations
1	Mycorrhizal and rhizobial interactions influence model grassland plant community structure and productivity. Mycorrhiza, 2022, 32, 15-32.	2.8	11
2	Utilizing mycorrhizal responses to guide selective breeding for agricultural sustainability. Plants People Planet, 2021, 3, 578-587.	3.3	5
3	Nematode communities indicate anthropogenic alterations to soil dynamics across diverse grasslands. Ecological Indicators, 2021, 132, 108338.	6.3	9
4	Arbuscular mycorrhizal fungi favor invasive Echinops sphaerocephalus when grown in competition with native Inula conyzae. Scientific Reports, 2020, 10, 20287.	3.3	6
5	Arbuscular mycorrhizal fungi in roots and soil respond differently to biotic and abiotic factors in the Serengeti. Mycorrhiza, 2020, 30, 79-95.	2.8	35
6	Following legume establishment, microbial and chemical associations facilitate improved productivity in degraded grasslands. Plant and Soil, 2019, 443, 273-292.	3.7	14
7	Plant Diversity and Fertilizer Management Shape the Belowground Microbiome of Native Grass Bioenergy Feedstocks. Frontiers in Plant Science, 2019, 10, 1018.	3.6	19
8	Phosphorus and mowing improve native alfalfa establishment, facilitating restoration of grassland productivity and diversity. Land Degradation and Development, 2019, 30, 647-657.	3.9	21
9	Mycorrhizal symbioses influence the trophic structure of the Serengeti. Journal of Ecology, 2018, 106, 536-546.	4.0	20
10	Long-term effects of grazing and topography on extra-radical hyphae of arbuscular mycorrhizal fungi in semi-arid grasslands. Mycorrhiza, 2018, 28, 117-127.	2.8	26
11	Linking sorghum nutrition and production with arbuscular mycorrhizal fungi and alternative soil amendments. Journal of Plant Nutrition and Soil Science, 2018, 181, 211-219.	1.9	3
12	Livestock grazing regulates ecosystem multifunctionality in semiâ€arid grassland. Functional Ecology, 2018, 32, 2790-2800.	3.6	62
13	Defoliation and arbuscular mycorrhizal fungi shape plant communities in overgrazed semiarid grasslands. Ecology, 2018, 99, 1847-1856.	3.2	29
14	Influence of smallholder farm practices on the abundance of arbuscular mycorrhizal fungi in rural Zambia. Pedobiologia, 2018, 69, 11-16.	1.2	4
15	Trichoderma Biofertilizer Links to Altered Soil Chemistry, Altered Microbial Communities, and Improved Grassland Biomass. Frontiers in Microbiology, 2018, 9, 848.	3.5	89
16	Influence of alternative soil amendments on mycorrhizal fungi and cowpea production. Heliyon, 2018, 4, e00704.	3.2	16
17	Plant functional group influences arbuscular mycorrhizal fungal abundance and hyphal contribution to soil CO2 efflux in temperate grasslands. Plant and Soil, 2018, 432, 157-170.	3.7	12
18	Evolutionary history of plant hosts and fungal symbionts predicts the strength of mycorrhizal mutualism. Communications Biology, 2018, 1, 116.	4.4	70

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19	Determinants of native and nonâ€native plant community structure on an oceanic island. Ecosphere, 2017, 8, e01927.	2.2	16
20	Assessing the influence of farm fertility amendments, field management, and sorghum genotypes on soil microbial communities and grain quality. Applied Soil Ecology, 2017, 119, 367-374.	4.3	6
21	The role of arbuscular mycorrhizal fungi in grain production and nutrition of sorghum genotypes: Enhancing sustainability through plant-microbial partnership. Agriculture, Ecosystems and Environment, 2016, 233, 432-440.	5.3	37
22	Predicting spatial extent of invasive earthworms on an oceanic island. Diversity and Distributions, 2016, 22, 1013-1023.	4.1	12
23	MycoDB, a global database of plant response to mycorrhizal fungi. Scientific Data, 2016, 3, 160028.	5.3	90
24	Mycorrhizal phenotypes and the <scp>L</scp>aw of the <scp>M</scp>inimum. New Phytologist, 2015, 205, 1473-1484.	7.3	387
25	Experimental evidence that invasive grasses use allelopathic biochemicals as a potential mechanism for invasion: chemical warfare in nature. Plant and Soil, 2014, 385, 165-179.	3.7	31
26	Changes in plant community composition, not diversity, during a decade of nitrogen and phosphorus additions drive aboveâ€ground productivity in a tallgrass prairie. Journal of Ecology, 2014, 102, 1649-1660.	4.0	145
27	Variation in root system traits among African semiâ€arid savanna grasses: Implications for drought tolerance. Austral Ecology, 2013, 38, 383-392.	1.5	35
28	Mycorrhizal suppression alters plant productivity and forb establishment in a grass-dominated prairie restoration. Plant Ecology, 2011, 212, 1675-1685.	1.6	29
29	Dominant Grasses Suppress Local Diversity in Restored Tallgrass Prairie. Restoration Ecology, 2010, 18, 40-49.	2.9	90
30	Advancing Synthetic Ecology: A Database System to Facilitate Complex Ecological Meta-Analyses. Bulletin of the Ecological Society of America, 2010, 91, 235-243.	0.2	13
31	Soil aggregation and carbon sequestration are tightly correlated with the abundance of arbuscular mycorrhizal fungi: results from longâ€term field experiments. Ecology Letters, 2009, 12, 452-461.	6.4	600
32	Effects of mycorrhizal symbiosis on tallgrass prairie plant-herbivore interactions. Ecology Letters, 2004, 8, 61-69.	6.4	107
33	Fire effects on mycorrhizal symbiosis and root system architecture in southern African savanna grasses. African Journal of Ecology, 2004, 42, 328-337.	0.9	41
34	The role of mycorrhizas in plant community structure and dynamics: lessons from grasslands. Plant and Soil, 2002, 244, 319-331.	3.7	164
35	Effects of ungulate grazers on arbuscular mycorrhizal symbiosis and fungal community structure in tallgrass prairie. Mycologia, 2001, 93, 233-242.	1.9	106
36	Effects of mycorrhizae on growth and demography of tallgrass prairie forbs. American Journal of Botany, 2001, 88, 1452-1457.	1.7	35

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37	MYCORRHIZAE INFLUENCE PLANT COMMUNITY STRUCTURE AND DIVERSITY IN TALLGRASS PRAIRIE. Ecology, 1999, 80, 1187-1195.	3.2	387
38	Interspecific variation in plant responses to mycorrhizal colonization in tallgrass prairie. American Journal of Botany, 1998, 85, 1732-1738.	1.7	354