Angela Hodge

List of Publications by Year
in descending order

31	7,754	257450 24	434195 31
papers	citations	h-index	g-index

31	31	31	7250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The plastic plant: root responses to heterogeneous supplies of nutrients. New Phytologist, 2004, 162, 9-24.	7.3	1,392
2	Plant and mycorrhizal regulation of rhizodeposition. New Phytologist, 2004, 163, 459-480.	7.3	1,129
3	An arbuscular mycorrhizal fungus accelerates decomposition and acquires nitrogen directly from organic material. Nature, 2001, 413, 297-299.	27.8	945
4	Plant root growth, architecture and function. Plant and Soil, 2009, 321, 153-187.	3.7	573
5	Substantial nitrogen acquisition by arbuscular mycorrhizal fungi from organic material has implications for N cycling. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13754-13759.	7.1	554
6	Arbuscular mycorrhizal fungi can transfer substantial amounts of nitrogen to their host plant from organic material. New Phytologist, 2009, 181, 199-207.	7.3	387
7	Arbuscular mycorrhiza and nitrogen: implications for individual plants through to ecosystems. Plant and Soil, 2015, 386, 1-19.	3.7	369
8	Plant root proliferation in nitrogenâ€“rich patches confers competitive advantage. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 431-435.	2.6	293
9	An arbuscular mycorrhizal fungus significantly modifies the soil bacterial community and nitrogen cycling during litter decomposition. Environmental Microbiology, 2013, 15, 1870-1881.	3.8	288
10	Carbon and phosphorus exchange may enable cooperation between an arbuscular mycorrhizal fungus and a phosphateâ€solubilizing bacterium. New Phytologist, 2016, 210, 1022-1032.	7.3	265
11	Root decisions. Plant, Cell and Environment, 2009, 32, 628-640.	5.7	253
12	Interactions between an arbuscular mycorrhizal fungus and a soil microbial community mediating litter decomposition. FEMS Microbiology Ecology, 2012, 80, 236-247.	2.7	207
13	Microbial mediation of plant competition and community structure. Functional Ecology, 2013, 27, 865-875.	3.6	133
14	Plant nitrogen capture from organic matter as affected by spatial dispersion, interspecific competition and mycorrhizal colonization. New Phytologist, 2003, 157, 303-314.	7.3	122
15	Resolving the â€˜nitrogen paradoxâ€™ of arbuscular mycorrhizas: fertilization with organic matter brings considerable benefits for plant nutrition and growth. Plant, Cell and Environment, 2016, 39, 1683-1690.	5.7	122
16	Arbuscular mycorrhizal fungi influence decomposition of, but not plant nutrient capture from, glycine patches in soil. New Phytologist, 2001, 151, 725-734.	7.3	114
17	Arbuscular mycorrhizal fungi reduce nitrous oxide emissions from N₂O hotspots. New Phytologist, 2018, 220, 1285-1295.	7.3	113
18	Phosphate Concentration and Arbuscular Mycorrhizal Colonisation Influence the Growth, Yield and Expression of Twelve PHT1 Family Phosphate Transporters in Foxtail Millet (Setaria italica). PLoS ONE, 2014, 9, e108459.	2.5	84

#	Article	IF	Citations
19	Arbuscular Mycorrhizal Fungi and Plant Chemical Defence: Effects of Colonisation on Aboveground and Belowground Metabolomes. Journal of Chemical Ecology, 2018, 44, 198-208.	1.8	79
20	Mycorrhizal respiration: implications for global scaling relationships. Trends in Plant Science, 2008, 13, 583-588.	8.8	65
21	Interactions Between Arbuscular Mycorrhizal Fungi and Organic Material Substrates. Advances in Applied Microbiology, 2014, 89, 47-99.	2.4	57
22	The direct response of the external mycelium of arbuscular mycorrhizal fungi to temperature and the implications for nutrient transfer. Soil Biology and Biochemistry, 2014, 78, 109-117.	8.8	42
23	Temperature dependence of respiration in roots colonized by arbuscular mycorrhizal fungi. New Phytologist, 2009, 182, 188-199.	7.3	38
24	Contrasting Nitrogen Fertilisation Rates Alter Mycorrhizal Contribution to Barley Nutrition in a Field Trial. Frontiers in Plant Science, 2019, 10, 1312.	3.6	27
25	Optimal root proliferation strategies: the roles of nutrient heterogeneity, competition and mycorrhizal networks. Plant and Soil, 2012, 351, 191-206.	3.7	26
26	Swimming, gliding, or hyphal riding? On microbial migration along the arbuscular mycorrhizal hyphal highway and functional consequences thereof. New Phytologist, 2021, 230, 14-16.	7.3	22
27	Aphids can acquire the nitrogen delivered to plants by arbuscular mycorrhizal fungi. Functional Ecology, 2019, 33, 576-586.	3.6	19
28	Aphids Influence Soil Fungal Communities in Conventional Agricultural Systems. Frontiers in Plant Science, 2019, 10, 895.	3.6	17
29	Temporal changes in local spatial structure of late-successional species: establishment of an Andean caulescent rosette plant. Journal of Ecology, 2004, 92, 122-131.	4.0	11
30	Fishing for nutrients in heterogeneous landscapes: modelling plant growth trade-offs in monocultures and mixed communities. AoB PLANTS, 2015, 7, .	2.3	4
31	Microbial ecology of the arbuscular mycorrhiza. FEMS Microbiology Ecology, 2000, 32, 91-96.	2.7	4