Mark C Brundrett

List of Publications by Year in Descending Order

69 papers	7,130 citations	37 h-index	73 g-index
73 ext. papers	8,237 ext. citations	5 avg, IF	6.68 L-index

#	Paper	IF	Citations
69	Best served deep: The seedbank from salvaged topsoil underscores the role of the dispersal filter in restoration practice. *Applied Vegetation Science*, **2021**, 24,	3.3	3
68	Auditing data resolves systemic errors in databases and confirms mycorrhizal trait consistency for most genera and families of flowering plants. *Mycorrhiza*, **2021**, 31, 671-683	3.9	0
67	FungalRoot: global online database of plant mycorrhizal associations. *New Phytologist*, **2020**, 227, 955-966	9.8	64
66	Resolving the mycorrhizal status of important northern hemisphere trees. *Plant and Soil*, **2020**, 454, 3-34	4.2	14
65	Misallocation of mycorrhizal traits leads to misleading results. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 12139-12140	11.5	6
64	A monitoring toolkit for banksia woodlands: comparison of different scale methods to measure recovery of vegetation after fire. *Remote Sensing in Ecology and Conservation*, **2019**, 5, 33-54	5.3	6
63	A Comprehensive Study of Orchid Seed Production Relative to Pollination Traits, Plant Density and Climate in an Urban Reserve in Western Australia. *Diversity*, **2019**, 11, 123	2.5	9
62	Global mycorrhizal plant distribution linked to terrestrial carbon stocks. *Nature Communications*, **2019**, 10, 5077	17.4	79
61	Monitoring vegetation recovery in the early stages of the Dirk Hartog Island Restoration Programme using high temporal frequency Landsat imagery. *Ecological Management and Restoration*, **2019**, 20, 250-261	1.4	2
60	Misdiagnosis of mycorrhizas and inappropriate recycling of data can lead to false conclusions. *New Phytologist*, **2019**, 221, 18-24	9.8	42
59	Evolutionary history of mycorrhizal symbioses and global host plant diversity. *New Phytologist*, **2018**, 220, 1108-1115	9.8	451
58	Fossils of Arbuscular Mycorrhizal Fungi Give Insights Into the History of a Successful Partnership With Plants **2018**, 461-480		2
57	Looking for Arbuscular Mycorrhizal Fungi in the Fossil Record: An Illustrated Guide **2018**, 481-517		7
56	WhyMycophorisis not an orchid seedling, and whySynaptomitusis not a fungal symbiont within this fossil. *Botany*, **2017**, 95, 865-868	1.3	3
55	Distribution and Evolution of Mycorrhizal Types and Other Specialised Roots in Australia. *Ecological Studies*, **2017**, 361-394	1.1	8
54	Evolution of Ectomycorrhizal Symbiosis in Plants. *Ecological Studies*, **2017**, 407-467	1.1	43
53	Global Diversity and Importance of Mycorrhizal and Nonmycorrhizal Plants. *Ecological Studies*, **2017**, 533-556	1.1	37

52	Using vital statistics and core-habitat maps to manage critically endangered orchids in the Western Australian wheatbelt. *Australian Journal of Botany*, **2016**, 64, 51	1.2	6
51	High-resolution secondary ion mass spectrometry analysis of carbon dynamics in mycorrhizas formed by an obligately myco-heterotrophic orchid. *Plant, Cell and Environment*, **2014**, 37, 1223-30	8.4	29
50	Glomeromycotan mycorrhizal fungi from tropical Australia III. Measuring diversity in natural and disturbed habitats. *Plant and Soil*, **2013**, 370, 419-433	4.2	37
49	Effects of habitat fragmentation on plant reproductive success and population viability at the landscape and habitat scale. *Biological Conservation*, **2013**, 159, 16-23	6.2	43
48	Limited carbon and mineral nutrient gain from mycorrhizal fungi by adult Australian orchids. *American Journal of Botany*, **2012**, 99, 1133-45	2.7	29
47	Plant mineral nutrition in ancient landscapes: high plant species diversity on infertile soils is linked to functional diversity for nutritional strategies. *Plant and Soil*, **2011**, 348, 7-27	4.2	58
46	Rampant gene loss in the underground orchid Rhizanthella gardneri highlights evolutionary constraints on plastid genomes. *Molecular Biology and Evolution*, **2011**, 28, 2077-86	8.3	181
45	Commentary on the de Vega et al. (2010) paper on hyphae in the parasitic plant Cytinus: Mycorrhizal fungi growing within plants are not always mycorrhizal. *American Journal of Botany*, **2011**, 98, 595-6	2.7	6
44	Carbon and nitrogen supply to the underground orchid, Rhizanthella gardneri. *New Phytologist*, **2010**, 186, 947-956	9.8	33
43	Impact of severe forest dieback caused by Phytophthora cinnamomi on macrofungal diversity in the northern jarrah forest of Western Australia. *Forest Ecology and Management*, **2010**, 259, 1033-1040	3.9	20
42	Plant mineral nutrition in ancient landscapes: high plant species diversity on infertile soils is linked to functional diversity for nutritional strategies. *Plant and Soil*, **2010**, 334, 11-31	4.2	278
41	Identity and specificity of the fungi forming mycorrhizas with the rare mycoheterotrophic orchid Rhizanthella gardneri. *Mycological Research*, **2009**, 113, 1097-106		47
40	Mycorrhizal associations and other means of nutrition of vascular plants: understanding the global diversity of host plants by resolving conflicting information and developing reliable means of diagnosis. *Plant and Soil*, **2009**, 320, 37-77	4.2	869
39	Habitat characteristics of the rare underground orchid Rhizanthella gardneri. *Australian Journal of Botany*, **2008**, 56, 501	1.2	10
38	Scientific approaches to Australian temperate terrestrial orchid conservation. *Australian Journal of Botany*, **2007**, 55, 293	1.2	54
37	Diversity of mycorrhizal fungi of terrestrial orchids: compatibility webs, brief encounters, lasting relationships and alien invasions. *Mycological Research*, **2007**, 111, 51-61		132
36	Colonisation of jarrah forest bauxite-mine rehabilitation areas by orchid mycorrhizal fungi. *Australian Journal of Botany*, **2007**, 55, 653	1.2	5
35	Understanding the Roles of Multifunctional Mycorrhizal and Endophytic Fungi **2006**, 281-298		76

34	New methods to improve symbiotic propagation of temperate terrestrial orchid seedlings from axenic culture to soil. *Australian Journal of Botany*, **2006**, 54, 367	1.2	33
33	In situ symbiotic seed germination and propagation of terrestrial orchid seedlings for establishment at field sites. *Australian Journal of Botany*, **2006**, 54, 375	1.2	47
32	Survival of transplanted terrestrial orchid seedlings in urban bushland habitats with high or low weed cover. *Australian Journal of Botany*, **2006**, 54, 383	1.2	30
31	Nursery inoculation of Eucalyptus seedlings in Western Australia and Southern China using spores and mycelial inoculum of diverse ectomycorrhizal fungi from different climatic regions. *Forest Ecology and Management*, **2005**, 209, 193-205	3.9	26
30	An overview of methods for the detection and observation of arbuscular mycorrhizal fungi in roots *Physiologia Plantarum*, **2005**, 125, 051021083431001-???	4.6	58
29	Diversity and classification of mycorrhizal associations. *Biological Reviews*, **2004**, 79, 473-95	13.5	274
28	Development of in situ and ex situ seed baiting techniques to detect mycorrhizal fungi from terrestrial orchid habitats. *Mycological Research*, **2003**, 107, 1210-20		82
27	Ectomycorrhizas in Plant Communities **2002**, 105-150		
26	Orchid Conservation and Mycorrhizal Associations **2002**, 195-226		5
25	Coevolution of roots and mycorrhizas of land plants. *New Phytologist*, **2002**, 154, 275-304	9.8	959
24	Arbuscular Mycorrhizas in Plant Communities **2002**, 151-193		2
23	Constraints to symbiotic germination of terrestrial orchid seed in a mediterranean bushland. *New Phytologist*, **2001**, 152, 511-520	9.8	149
22	Long-term storage of mycorrhizal fungi and seed as a tool for the conservation of endangered Western Australian terrestrial orchids. *Australian Journal of Botany*, **2001**, 49, 619	1.2	66
21	Effects of ectomycorrhizas and vesicular arbuscular mycorrhizas, alone or in competition, on root colonization and growth of Eucalyptus globulus and E. urophylla. *New Phytologist*, **2000**, 146, 545-555	9.8	105
20	Fruiting of putative ectomycorrhizal fungi under blue gum (Eucalyptus globulus) plantations of different ages in Western Australia. *Mycorrhiza*, **1999**, 8, 255-261	3.9	46
19	Glomalean mycorrhizal fungi from tropical Australia. *Mycorrhiza*, **1999**, 8, 305-314	3.9	88
18	Glomalean mycorrhizal fungi from tropical Australia. *Mycorrhiza*, **1999**, 8, 315-321	3.9	28
17	Mycorrhizas in the Kakadu region of tropical Australia. *Plant and Soil*, **1996**, 184, 159-171	4.2	51

16	Mycorrhizal fungus propagules in the jarrah forest: II. Spatial variability in inoculum levels. *New Phytologist*, **1995**, 131, 461-469	9.8	63
15	Non-destructive assessment of spore germination of VAM fungi and production of pot cultures from single spores. *Soil Biology and Biochemistry*, **1995**, 27, 85-91	7.5	35
14	Mycorrhizal fungus propagules in the jarrah forest. *New Phytologist*, **1994**, 127, 539-546	9.8	79
13	Mycorrhizas in Natural Ecosystems. *Advances in Ecological Research*, **1991**, 21, 171-313	4.6	394
12	Roots of Jarrah Forest Plants .I. Mycorrhizal Associations of Shrubs and Herbaceous Plants. *Australian Journal of Botany*, **1991**, 39, 445	1.2	106
11	Efficient lipid staining in plant material with sudan red 7B or fluorol [correction of fluoral] yellow 088 in polyethylene glycol-glycerol. *Biotechnic and Histochemistry*, **1991**, 66, 111-6	1.8	407
10	The roots and mycorrhizas of herbaceous woodland plants: I. Quantitative aspects of morphology. *New Phytologist*, **1990**, 114, 457-468	9.8	107
9	The roots and mycorrhizas of herbaceous woodland plants: II. Structural aspects of morphology. *New Phytologist*, **1990**, 114, 469-479	9.8	126
8	Comparative anatomy of roots and mycorrhizae of common Ontario trees. *Canadian Journal of Botany*, **1990**, 68, 551-578		117
7	A berberine-aniline blue fluorescent staining procedure for suberin, lignin, and callose in plant tissue. *Protoplasma*, **1988**, 146, 133-142	3.4	292
6	The mycorrhizal status, root anatomy, and phenology of plants in a sugar maple forest. *Canadian Journal of Botany*, **1988**, 66, 1153-1173		173
5	A developmental study of the early stages in vesicular□rbuscular mycorrhiza formation. *Canadian Journal of Botany*, **1985**, 63, 184-194		113
4	A new method for observing the morphology of vesicular□rbuscular mycorrhizae. *Canadian Journal of Botany*, **1984**, 62, 2128-2134		371
3	Several complementary methods of plant establishment are required for effective restoration of banksia woodland		1
2	Global mycorrhizal plant distribution linked to terrestrial carbon stocks		1
1	FungalRoot: Global online database of plant mycorrhizal associations		7