

Jose Facelli

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

5,880
citations

126907

33
h-index

76900

74
g-index

94
all docs

94
docs citations

94
times ranked

5676
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant litter: Its dynamics and effects on plant community structure. <i>Botanical Review</i> , The, 1991, 57, 1-32.	3.9	1,210
2	Rooting theories of plant community ecology in microbial interactions. <i>Trends in Ecology and Evolution</i> , 2010, 25, 468-478.	8.7	666
3	Global sampling of plant roots expands the described molecular diversity of arbuscular mycorrhizal fungi. <i>Mycorrhiza</i> , 2013, 23, 411-430.	2.8	280
4	Plant Litter: Light Interception and Effects on an Old-Field Plant Community. <i>Ecology</i> , 1991, 72, 1024-1031.	3.2	242
5	Multiple Indirect Effects of Plant Litter Affect the Establishment of Woody Seedlings in Old Fields. <i>Ecology</i> , 1994, 75, 1727-1735.	3.2	201
6	Disturbance effects on plant community diversity: spatial scales and dominance hierarchies. <i>Plant Ecology</i> , 1991, 93, 143-155.	1.2	155
7	Putting plant resistance traits on the map: a test of the idea that plants are better defended at lower latitudes. <i>New Phytologist</i> , 2011, 191, 777-788.	7.3	155
8	DIFFERENCES IN SEED BIOLOGY OF ANNUAL PLANTS IN ARID LANDS: A KEY INGREDIENT OF THE STORAGE EFFECT. <i>Ecology</i> , 2005, 86, 2998-3006.	3.2	149
9	Forces that structure plant communities: quantifying the importance of the mycorrhizal symbiosis. <i>New Phytologist</i> , 2011, 189, 366-370.	7.3	149
10	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. <i>New Phytologist</i> , 2013, 198, 252-263.	7.3	124
11	Multiple effects of shrubs on annual plant communities in arid lands of South Australia. <i>Austral Ecology</i> , 2002, 27, 422-432.	1.5	111
12	Growth and competition of <i>Cytisus scoparius</i> , an invasive shrub, and Australian native shrubs. , 1999, 144, 27-35.		109
13	CONTRASTING GERMINATION AND SEEDLING GROWTH OF <i>BETULA ALLEGHANIENSIS</i> AND <i>RHUS TYPHINA</i> SUBJECTED TO VARIOUS AMOUNTS AND TYPES OF PLANT LITTER. <i>American Journal of Botany</i> , 1992, 79, 1209-1216.	1.7	99
14	Underground friends or enemies: model plants help to unravel direct and indirect effects of arbuscular mycorrhizal fungi on plant competition. <i>New Phytologist</i> , 2010, 185, 1050-1061.	7.3	98
15	Interactions after death: plant litter controls priority effects in a successional plant community. <i>Oecologia</i> , 1993, 95, 277-282.	2.0	94
16	Patch dynamics in arid lands: localized effects of <i>Acacia papyrocarpa</i> on soils and vegetation of open woodlands of south Australia. <i>Ecography</i> , 2000, 23, 479-491.	4.5	93
17	Differing effects of shade-induced facilitation on growth and survival during the establishment of a chenopod shrub. <i>Journal of Ecology</i> , 2003, 91, 941-950.	4.0	93
18	Interactive effects of arbuscular mycorrhizal symbiosis, intraspecific competition and resource availability on <i>Trifolium subterraneum</i> cv. Mt. Barker. <i>New Phytologist</i> , 1999, 141, 535-547.	7.3	84

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19	Indirect Effects of Litter on Woody Seedlings Subject to Herb Competition. <i>Oikos</i> , 1991, 62, 129.	2.7	82
20	Community Structure in Grazed and Ungrazed Grassland Sites in the Flooding Pampa, Argentina. <i>American Midland Naturalist</i> , 1989, 121, 125.	0.4	81
21	Soil phosphorus heterogeneity and mycorrhizal symbiosis regulate plant intra-specific competition and size distribution. <i>Oecologia</i> , 2002, 133, 54-61.	2.0	81
22	Effects of sheep exclusion on the soil seed bank and annual vegetation in chenopod shrublands of South Australia. <i>Journal of Arid Environments</i> , 1999, 42, 117-128.	2.4	74
23	Establishment and growth of seedlings of <i>Eucalyptus obliqua</i> : Interactive effects of litter, water, and pathogens. <i>Austral Ecology</i> , 1999, 24, 484-494.	1.5	73
24	The relationship between the diversity of arbuscular mycorrhizal fungi and grazing in a meadow steppe. <i>Plant and Soil</i> , 2012, 352, 143-156.	3.7	69
25	Impacts of a native parasitic plant on an introduced and a native host species: implications for the control of an invasive weed. <i>Annals of Botany</i> , 2009, 103, 107-115.	2.9	65
26	Direct and indirect effects of exotic annual grasses on species composition of a South Australian grassland. <i>Austral Ecology</i> , 2003, 28, 23-32.	1.5	63
27	Floristic Changes Induced by Flooding on Grazed and Ungrazed Lowland Grasslands in Argentina. <i>Journal of Range Management</i> , 1988, 41, 495.	0.3	59
28	Interactive effects of drought and shade on three arid zone chenopod shrubs with contrasting distributions in relation to tree canopies. <i>Functional Ecology</i> , 2004, 18, 67-76.	3.6	51
29	Germination requirements and responses to leaf litter of four species of eucalypt. <i>Oecologia</i> , 1996, 107, 441-445.	2.0	48
30	Microdisturbances in Oldfields and Forests: Implications for Woody Seedling Establishment. <i>Oikos</i> , 1990, 58, 55.	2.7	45
31	Shade facilitates an invasive stem succulent in a chenopod shrubland in South Australia. <i>Austral Ecology</i> , 2003, 28, 480-490.	1.5	45
32	The role of seed limitation and resource availability in the recruitment of native perennial grasses and exotics in a South Australian grassland. <i>Austral Ecology</i> , 2005, 30, 684-694.	1.5	42
33	Contrasting Germination and Seedling Growth of <i>Betula alleghaniensis</i> and <i>Rhus typhina</i> Subjected to Various Amounts and Types of Plant Litter. <i>American Journal of Botany</i> , 1992, 79, 1209.	1.7	40
34	Effects of <i>Casuarina pauper</i> litter and grove soil on emergence and growth of understory species in arid lands of South Australia. <i>Journal of Arid Environments</i> , 2001, 49, 569-579.	2.4	36
35	Heterogeneity of Plant Litter Accumulation in Successional Communities. <i>Bulletin of the Torrey Botanical Club</i> , 1991, 118, 62.	0.6	33
36	Socio-Cultural Values of Ecosystem Services from Oak Forests in the Eastern Himalaya. <i>Sustainability</i> , 2019, 11, 2250.	3.2	33

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37	Directionality, convergence, and rate of change during early succession in the Inland Pampa, Argentina. <i>Journal of Vegetation Science</i> , 1990, 1, 255-260.	2.2	30
38	The influence of the hemiparasitic angiosperm <i>Cassytha pubescens</i> on photosynthesis of its host <i>Cytisus scoparius</i> . <i>Functional Plant Biology</i> , 2010, 37, 14.	2.1	29
39	Effect of Different Disturbance Regimen on Seminal Grasslands from the Subhumid Pampa. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 1988, 180, 241-249.	1.2	27
40	Opening the black box: outcomes of interactions between arbuscular mycorrhizal (<sc>AM</sc>) and non-host genotypes of <i>M</i> depend on fungal identity, interplay between <sc>P</sc> uptake pathways and external <sc>P</sc> supply. <i>Plant, Cell and Environment</i> , 2014, 37, 1382-1392.	5.7	27
41	Interactions between soil properties, soil microbes and plants in remnant-grassland and old-field areas: a reciprocal transplant approach. <i>Plant and Soil</i> , 2018, 433, 127-145.	3.7	27
42	The impact of a novel invasive species, <i>Orbea variegata</i> (African carrion flower), on the chenopod shrublands of South Australia. <i>Journal of Arid Environments</i> , 1999, 41, 37-48.	2.4	26
43	Priority effects produced by plant litter result in non-additive competitive effects. <i>Oecologia</i> , 2008, 157, 687-696.	2.0	26
44	Native faunal communities depend on habitat from non-native plants in novel but not in natural ecosystems. <i>Biodiversity and Conservation</i> , 2016, 25, 503-523.	2.6	26
45	Does nitrogen affect the interaction between a native hemiparasite and its native or introduced leguminous hosts?. <i>New Phytologist</i> , 2017, 213, 812-821.	7.3	26
46	Desert shrubs have negative or neutral effects on annuals at two levels of water availability in arid lands of South Australia. <i>Journal of Ecology</i> , 2008, 96, 1230-1237.	4.0	25
47	Patch dynamics in arid lands: localized effects of <i>Acacia papyrocarpa</i> on soils and vegetation of open woodlands of south Australia. <i>Ecography</i> , 2000, 23, 479-491.	4.5	25
48	Native parasitic plants: Biological control for plant invasions?. <i>Applied Vegetation Science</i> , 2020, 23, 464-469.	1.9	22
49	Bees and white spiders: unravelling the pollination syndrome of <i>Caladenia rigida</i> (Orchidaceae). <i>Australian Journal of Botany</i> , 2009, 57, 315.	0.6	21
50	Experimental evaluation of the foliar flag hypothesis using fruits of <i>Rhus glabra</i> (L.). <i>Oecologia</i> , 1993, 93, 70-72.	2.0	19
51	Effects of ash and four types of litter on the establishment of <i>Eucalyptus obliqua</i>. <i>Ecoscience</i> , 1996, 3, 319-324.	1.4	19
52	High water availability increases the negative impact of a native hemiparasite on its non-native host. <i>Journal of Experimental Botany</i> , 2016, 67, 1567-1575.	4.8	18
53	Effects of competition, resource availability and invertebrates on tree seedling establishment. <i>Journal of Ecology</i> , 2005, 93, 968-977.	4.0	16
54	Why do some species in arid lands increase under grazing? Mechanisms that favour increased abundance of <i>Maireana pyramidata</i> in overgrazed chenopod shrublands of South Australia. <i>Austral Ecology</i> , 2009, 34, 588-597.	1.5	16

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55	A native parasitic plant affects the performance of an introduced host regardless of environmental variation across field sites. <i>Functional Plant Biology</i> , 2018, 45, 1128.	2.1	16
56	Plant-mycorrhizal fungi feedbacks: potential accomplices of <i>Avena barbata</i> 's high invasiveness. <i>Plant Ecology</i> , 2018, 219, 1045-1052.	1.6	16
57	Diversity Changes During Pioneer Stages in a Subhumid Pampean Grassland Succession. <i>American Midland Naturalist</i> , 1987, 117, 17.	0.4	15
58	Title is missing!. <i>Plant Ecology</i> , 2003, 167, 19-29.	1.6	15
59	Secondary seed dispersal of <i>Erodium cicutarium</i> , a patchily distributed short-lived perennial in the arid lands of Australia. <i>Austral Ecology</i> , 2010, 35, 906-918.	1.5	15
60	Effects of leaf litter on woody seedlings in xeric successional communities. <i>Plant Ecology</i> , 2000, 148, 225-231.	1.6	14
61	Cyclic dormancy, temperature and water availability control germination of <i>Carrichtera annua</i> , an invasive species in chenopod shrublands. <i>Austral Ecology</i> , 2008, 33, 324-328.	1.5	14
62	Dormancy-breaking and germination requirements for seeds of <i>Acacia papyrocarpa</i> , <i>Acacia oswaldii</i> and <i>Senna artemisioides</i> ssp. <i>coriacea</i> , three Australian arid-zone Fabaceae species. <i>Australian Journal of Botany</i> , 2014, 62, 546.	0.6	14
63	The impact of a native hemiparasite on a major invasive shrub is affected by host size at time of infection. <i>Journal of Experimental Botany</i> , 2020, 71, 3725-3734.	4.8	14
64	Seed viability in declining populations of <i>Caladenia rigida</i> (Orchidaceae): are small populations doomed?. <i>Plant Biology</i> , 2011, 13, 86-95.	3.8	13
65	Evidence for species-specific plant responses to soil microbial communities from remnant and degraded land provides promise for restoration. <i>Austral Ecology</i> , 2018, 43, 301-308.	1.5	13
66	Multispecies interactions among a plant parasite, a pollinator and a seed predator affect the reproductive output of an invasive plant, <i>Cytisus scoparius</i> . <i>Austral Ecology</i> , 2011, 36, 167-175.	1.5	12
67	A soil-borne generalist pathogen regulates complex plant interactions. <i>Plant and Soil</i> , 2018, 433, 101-109.	3.7	12
68	Correlations between environmental factors, the biomass of exotic annual grasses and the frequency of native perennial grasses. <i>Australian Journal of Botany</i> , 2006, 54, 655.	0.6	12
69	Changes in seed dispersal processes and the potential for between-patch connectivity for an arid land daisy. <i>Ecology</i> , 2012, 93, 544-553.	3.2	11
70	The storage effect: definition and tests in two plant communities. , 2014, , 11-40.		11
71	Native hemiparasite and light effects on photoprotection and photodamage in a native host. <i>Functional Plant Biology</i> , 2015, 42, 1168.	2.1	11
72	Response of vegetation cover to climate variability in protected and grazed arid rangelands of South Australia. <i>Journal of Arid Environments</i> , 2019, 161, 64-71.	2.4	11

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73	Specialized seedling strategies I: seedlings in stressful environments. , 0, , 56-78.		10
74	Response of selected South Australian native plant species to <i>Phytophthora cinnamomi</i> . Plant Pathology, 2012, 61, 1165-1178.	2.4	10
75	Crazing orchids: impact of florivory on two species of <i>Caladenia</i> (Orchidaceae). Australian Journal of Botany, 2009, 57, 361.	0.6	9
76	The combined effects of water and nitrogen on the relationship between a native hemiparasite and its invasive host. New Phytologist, 2021, 229, 1728-1739.	7.3	9
77	Fallen logs as sources of patchiness in chenopod shrublands of South Australia. Journal of Arid Environments, 2013, 97, 66-72.	2.4	8
78	Defence responses of native and invasive plants to the native generalist vine parasite <i>Cassytha pubescens</i> – anatomical and functional studies. Australian Journal of Botany, 2020, 68, 300.	0.6	8
79	Site preparation impacts on soil biotic and abiotic properties, weed control, and native grass establishment. Restoration Ecology, 2021, 29, e13297.	2.9	6
80	The potential for deep groundwater use by <i>Acacia papyrocarpa</i> (Western myall) in a water-limited environment. Ecohydrology, 2017, 10, e1791.	2.4	5
81	Does phosphorus influence performance of a native hemiparasite and its impact on a native legume?. Physiologia Plantarum, 2021, 173, 1889-1900.	5.2	5
82	Do wide crowns in arid woodland trees reflect hydraulic limitation and reduction of self-shading?. Functional Plant Biology, 2014, 41, 1221.	2.1	4
83	Invasive success of exotic wild oat depends on nutrient availability and competition in temperate grasslands of southern Australia. Plant and Soil, 2022, 472, 465-478.	3.7	3
84	Effects of neighbouring vegetation on eucalypt seedlings at two sites subject to different levels of abiotic stress. Austral Ecology, 2007, 32, 145-154.	1.5	2
85	The effect of heat and smoke on the soil seed banks of heathlands on permanent freshwater swamps. Austral Ecology, 2021, 46, 39-51.	1.5	2
86	Seed traits and fate support probable primary dispersal of a native hemi-parasitic vine <i>Cassytha pubescens</i> (Lauraceae) by <i>Isoodon obesulus</i> , an endangered marsupial, in southern Australia. Transactions of the Royal Society of South Australia, 2022, 146, 249-261.	0.4	2
87	Biological soil crust and vascular plant interactions in Western Myall (<i>Acacia papyrocarpa</i>) open woodland in South Australia. Journal of Vegetation Science, 2019, 30, 756-764.	2.2	1
88	Long-term influence of fallen logs on patch formation and their effects under contrasting grazing regimes. Austral Ecology, 2015, 40, 238-244.	1.5	0
89	Resource pre-emption, rather than extending the growing season of native grass assemblages, reduces invasion by exotic species. Applied Vegetation Science, 2021, 24, e12613.	1.9	0
90	Ninety years of change on the TGB Osborn Vegetation Reserve, Koonamore: a unique research opportunity. Rangeland Journal, 2019, 41, 185.	0.9	0

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91	Endemic macrophyte is more plastic than two cosmopolitan species in fluctuating water levels and nutrient-enriched conditions. Transactions of the Royal Society of South Australia, 2021, 145, 25-44.	0.4	0