

# Peter J Clarke

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

2,618  
citations

147801

31  
h-index

189892

50  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2427  
citing authors

#	ARTICLE	IF	CITATIONS
1	A synthesis of postfire recovery traits of woody plants in Australian ecosystems. <i>Science of the Total Environment</i> , 2015, 534, 31-42.	8.0	151
2	Long-term changes in semi-arid vegetation: Invasion of an exotic perennial grass has larger effects than rainfall variability. <i>Journal of Vegetation Science</i> , 2005, 16, 237-248.	2.2	141
3	Dispersal potential and early growth in 14 tropical mangroves: do early life history traits correlate with patterns of adult distribution?. <i>Journal of Ecology</i> , 2001, 89, 648-659.	4.0	133
4	Dispersal of grey mangrove ( <i>Avicennia marina</i> ) propagules in southeastern Australia. <i>Aquatic Botany</i> , 1993, 45, 195-204.	1.6	119
5	Costs and benefits of relative bark thickness in relation to fire damage: a savanna/forest contrast. <i>Journal of Ecology</i> , 2013, 101, 517-524.	4.0	117
6	Germination and dormancy of grassy woodland and forest species: effects of smoke, heat, darkness and cold. <i>Australian Journal of Botany</i> , 2000, 48, 687.	0.6	108
7	Landscape patterns of woody plant response to crown fire: disturbance and productivity influence sprouting ability. <i>Journal of Ecology</i> , 2005, 93, 544-555.	4.0	96
8	Habitat islands in fire-prone vegetation: do landscape features influence community composition?. <i>Journal of Biogeography</i> , 2002, 29, 677-684.	3.0	82
9	The effects of seed predators on the recruitment of mangroves. <i>Journal of Ecology</i> , 2002, 90, 728-736.	4.0	75
10	Vegetation, terrain and fire history shape the impact of extreme weather on fire severity and ecosystem response. <i>Journal of Vegetation Science</i> , 2014, 25, 1033-1044.	2.2	71
11	Fire-related cues break seed dormancy of six legumes of tropical eucalypt savannas in north-eastern Australia. <i>Austral Ecology</i> , 2003, 28, 507-514.	1.5	68
12	Germinable soil seed banks in a tropical savanna: seasonal dynamics and effects of fire.. <i>Austral Ecology</i> , 2005, 30, 79-90.	1.5	67
13	Post-fire response of shrubs in the tablelands of eastern Australia: do existing models explain habitat differences?. <i>Australian Journal of Botany</i> , 2002, 50, 53.	0.6	62
14	Ecology of plant resprouting: populations to community responses in fire-prone ecosystems. <i>Plant Ecology</i> , 2011, 212, 1937-1943.	1.6	61
15	Resprouting responses of <i>Acacia</i> shrubs in the Western Desert of Australia - fire severity, interval and season influence survival. <i>International Journal of Wildland Fire</i> , 2007, 16, 317.	2.4	60
16	An assessment of some improved techniques for estimating the abundance (frequency) of sedentary organisms. <i>Plant Ecology</i> , 1995, 120, 131-145.	1.2	54
17	Effects of experimental canopy gaps on mangrove recruitment: lack of habitat partitioning may explain stand dominance. <i>Journal of Ecology</i> , 2004, 92, 203-213.	4.0	54
18	Composition of grazed and cleared temperate grassy woodlands in eastern Australia: patterns in space and inferences in time. <i>Journal of Vegetation Science</i> , 2003, 14, 5-14.	2.2	48

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19	Experiments on tree and shrub establishment in temperate grassy woodlands: Seedling survival. <i>Austral Ecology</i> , 2002, 27, 606-615.	1.5	47
20	Do Forest Gaps Influence the Population Structure and Species Composition of Mangrove Stands in Northern Australia? <i>Biotropica</i> , 2000, 32, 642.	1.6	44
21	Woody-grass ratios in a grassy arid system are limited by multi-causal interactions of abiotic constraint, competition and fire. <i>Oecologia</i> , 2010, 162, 719-732.	2.0	44
22	Fire regime (recency, interval and season) changes the composition of spinifex ( <i>Triodia</i> spp.)-dominated desert dunes. <i>Australian Journal of Botany</i> , 2007, 55, 709.	0.6	42
23	Fire, aridity and seed banks. What does seed bank composition reveal about community processes in fire-prone desert? <i>Journal of Vegetation Science</i> , 2009, 20, 663-674.	2.2	41
24	Soil temperature and depth of legume germination during early and late dry season fires in a tropical eucalypt savanna of north-eastern Australia. <i>Austral Ecology</i> , 2004, 29, 258-263.	1.5	39
25	Emergence and survival of herbaceous seedlings in temperate grassy woodlands: Recruitment limitations and regeneration niche. <i>Austral Ecology</i> , 2004, 29, 320-331.	1.5	39
26	Variiegated desert vegetation: Covariation of edaphic and fire variables provides a framework for understanding mulga-spinifex coexistence. <i>Austral Ecology</i> , 2008, 33, 848-862.	1.5	39
27	Trade-offs in resource allocation that favour resprouting affect the competitive ability of woody seedlings in grassy communities. <i>Journal of Ecology</i> , 2009, 97, 1374-1382.	4.0	38
28	Habitat insularity and fire response traits: evidence from a sclerophyll archipelago. <i>Oecologia</i> , 2002, 132, 582-591.	2.0	37
29	ARE TRADE-OFFS IN PLANT RESPROUTING MANIFESTED IN COMMUNITY SEED BANKS. <i>Ecology</i> , 2008, 89, 1850-1858.	3.2	34
30	Experiments on the mechanism of tree and shrub establishment in temperate grassy woodlands: Seedling emergence. <i>Austral Ecology</i> , 2001, 26, 400-412.	1.5	33
31	How do drought and fire influence the patterns of resprouting in Australian deserts? <i>Plant Ecology</i> , 2011, 212, 2095-2110.	1.6	31
32	Using a rainforest-flame forest mosaic to test the hypothesis that leaf and litter fuel flammability is under natural selection. <i>Oecologia</i> , 2014, 176, 1123-1133.	2.0	30
33	Bark thickness does not explain the different susceptibility of Australian and New Zealand temperate rain forests to anthropogenic fire. <i>Journal of Biogeography</i> , 2014, 41, 1467-1477.	3.0	29
34	Perennial grassland dynamics on fertile plains: Is coexistence mediated by disturbance? <i>Austral Ecology</i> , 2008, 33, 128-139.	1.5	28
35	Fire intensity, serotiny and seed release in 19 woody species: evidence for risk spreading among wind-dispersed and resprouting syndromes. <i>Australian Journal of Botany</i> , 2010, 58, 629.	0.6	28
36	Sphagnum Peatlands of Kosciuszko National Park in Relation to Altitude, Time and Disturbance. <i>Australian Journal of Botany</i> , 1999, 47, 519.	0.6	27

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37	The population dynamics of the mangrove <i>Avicennia marina</i> ; demographic synthesis and predictive modelling. <i>Hydrobiologia</i> , 1995, 295, 83-88.	2.0	25
38	Responses of tree species to a severe fire indicate major structural change to <i>Eucalyptus</i> – <i>Callitris</i> forests. <i>Plant Ecology</i> , 2016, 217, 617-629.	1.6	25
39	Seed dynamics of resprouting shrubs in grassy woodlands: Seed rain, predators and seed loss constrain recruitment potential. <i>Austral Ecology</i> , 2006, 31, 1016-1026.	1.5	22
40	A new approach and case study for estimating extent and rates of habitat loss for ecological communities. <i>Biological Conservation</i> , 2009, 142, 1469-1479.	4.1	21
41	Fire severity and nutrient availability do not constrain resprouting in forest shrubs. <i>Plant Ecology</i> , 2011, 212, 1967-1978.	1.6	20
42	Testing the Shifting Persistence Niche Concept: Plant Resprouting along Gradients of Disturbance. <i>American Naturalist</i> , 2015, 185, 747-755.	2.1	20
43	Burnt to blazes: landscape fires, resilience and habitat interaction in frequently burnt coastal heath. <i>Australian Journal of Botany</i> , 2007, 55, 91.	0.6	19
44	Seasonality and facilitation drive tree establishment in a semi-arid floodplain savanna. <i>Oecologia</i> , 2014, 175, 261-271.	2.0	19
45	Post-fire grazing and post-fire vegetation dynamics: long-term changes in mountain bogs reveal community resilience. <i>Journal of Vegetation Science</i> , 2015, 26, 278-290.	2.2	19
46	The population dynamics of the mangrove <i>Avicennia marina</i> ; demographic synthesis and predictive modelling. , 1995, , 83-88.		17
47	Seed traits and seed bank longevity of wet sclerophyll forest shrubs. <i>Australian Journal of Botany</i> , 2012, 60, 96.	0.6	11
48	Are fire resprouters more carbon limited than non-resprouters? Effects of elevated CO <sub>2</sub> on biomass, storage and allocation of woody species. <i>Plant Ecology</i> , 2016, 217, 763-771.	1.6	11
49	Plant coexistence in coastal heaths: Between- and within-habitat effects of competition, disturbance and predation in the post-fire environment. <i>Austral Ecology</i> , 1996, 21, 55-63.	1.5	10
50	What drives plant biodiversity in the clay floodplain grasslands of NSW?. <i>Rangeland Journal</i> , 2009, 31, 329.	0.9	10
51	Fire, soil fertility and delayed seed release: a community analysis of the degree of serotiny. <i>Evolutionary Ecology</i> , 2013, 27, 429-443.	1.2	10
52	Dense regeneration of floodplain <i>Eucalyptus coolabah</i> : invasive scrub or passive restoration of an endangered woodland community?. <i>Rangeland Journal</i> , 2012, 34, 219.	0.9	10
53	Habitat Segregation by Serotinous Shrubs in Heaths: Post-fire Emergence and Seedling Survival. <i>Australian Journal of Botany</i> , 1997, 45, 31.	0.6	9
54	Plant coexistence in coastal heaths: Habitat segregation in the post-fire environment. <i>Austral Ecology</i> , 1996, 21, 47-54.	1.5	8

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55	Measuring fire severity: Are canopy, understorey and below-ground measures coupled in sclerophyll forest fires?. <i>Plant Ecology</i> , 2016, 217, 607-615.	1.6	8
56	Plant trait - environmental linkages among contrasting landscapes and climate regimes in temperate eucalypt woodlands. <i>Australian Journal of Botany</i> , 2008, 56, 422.	0.6	8
57	A burning issue: community stability and alternative stable states in relation to fire. , 2013, , 63-74.		6
58	Regulation of seedling recruitment and survival in diverse ecotonal temperate forest understories. <i>Plant Ecology</i> , 2016, 217, 801-816.	1.6	6
59	Germination biologies and seedbank dynamics of Acacia shrubs in the Western Desert: implications for fire season impacts on recruitment. <i>Australian Journal of Botany</i> , 2018, 66, 278.	0.6	6
60	Appraising widespread resprouting but variable levels of postfire seeding in Australian ecosystems: the effect of phylogeny, fire regime and productivity. <i>Australian Journal of Botany</i> , 2022, 70, 114-130.	0.6	5
61	Fire regime, soil fertility and growth form interact to shape fire and growth traits in two co-occurring <i>Banksia</i> species. <i>Evolutionary Ecology</i> , 2016, 30, 35-45.	1.2	4