

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

7,267
citations

35
h-index

83
g-index

210
ext. papers

8,442
ext. citations

4.2
avg, IF

6.02
L-index

#	Paper	IF	Citations
153	Positive interactions among alpine plants increase with stress. <i>Nature</i> , 2002 , 417, 844-8	50.4	1569
152	Refining the stress-gradient hypothesis for competition and facilitation in plant communities. <i>Journal of Ecology</i> , 2009 , 97, 199-205	6	830
151	Do biotic interactions shape both sides of the humped-back model of species richness in plant communities?. <i>Ecology Letters</i> , 2006 , 9, 767-73	10	466
150	Rethinking plant community theory. <i>Oikos</i> , 2004 , 107, 433-438	4	406
149	Double-blind review favours increased representation of female authors. <i>Trends in Ecology and Evolution</i> , 2008 , 23, 4-6	10.9	282
148	Re-analysis of meta-analysis: support for the stress-gradient hypothesis. <i>Journal of Ecology</i> , 2006 , 94, 7-16	6	265
147	The importance of importance. <i>Oikos</i> , 2005 , 109, 63-70	4	227
146	Facilitative plant interactions and climate simultaneously drive alpine plant diversity. <i>Ecology Letters</i> , 2014 , 17, 193-202	10	218
145	Support for major hypotheses in invasion biology is uneven and declining. <i>NeoBiota</i> , 2012 , 14, 1-20	4.2	212
144	LINKING PATTERNS AND PROCESSES IN ALPINE PLANT COMMUNITIES: A GLOBAL STUDY. <i>Ecology</i> , 2005 , 86, 1395-1400	4.6	178
143	Two alternatives to the stress-gradient hypothesis at the edge of life: the collapse of facilitation and the switch from facilitation to competition. <i>Journal of Vegetation Science</i> , 2014 , 25, 609-613	3.1	117
142	A systematic review and conceptual framework for the mechanistic pathways of nurse plants. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1335-1345	6.1	116
141	The Specialization Hypothesis for Phenotypic Plasticity in Plants. <i>International Journal of Plant Sciences</i> , 1996 , 157, 484-487	2.6	101
140	Partitioning net interactions among plants along altitudinal gradients to study community responses to climate change. <i>Functional Ecology</i> , 2014 , 28, 75-86	5.6	95
139	Don't diss integration: a comment on Ricklefs's disintegrating communities. <i>American Naturalist</i> , 2009 , 174, 919-27; discussion 928-31	3.7	71
138	Plant invasions, generalist herbivores, and novel defense weapons. <i>Ecology</i> , 2011 , 92, 829-35	4.6	70
137	Effects of a directional abiotic gradient on plant community dynamics and invasion in a coastal dune system. <i>Journal of Ecology</i> , 2007 , 95, 468-481	6	67

136	Pollination in <i>Verbascum thapsus</i> (Scrophulariaceae): the advantage of being tall. <i>American Journal of Botany</i> , 1998 , 85, 1618-1625	2.7	67
135	14. Publication and Related Biases 2013 , 207-236		65
134	A global analysis of bidirectional interactions in alpine plant communities shows facilitators experiencing strong reciprocal fitness costs. <i>New Phytologist</i> , 2014 , 202, 95-105	9.8	64
133	The importance of urban backgardens on plant and invertebrate recruitment: a field microcosm experiment. <i>Urban Ecosystems</i> , 2010 , 13, 223-235	2.8	58
132	Characterizing a scientific elite: the social characteristics of the most highly cited scientists in environmental science and ecology. <i>Scientometrics</i> , 2010 , 85, 129-143	3	49
131	To Name or Not to Name: The Effect of Changing Author Gender on Peer Review. <i>BioScience</i> , 2009 , 59, 985-989	5.7	47
130	The alpine cushion plant <i>Silene acaulis</i> as foundation species: a bug's-eye view to facilitation and microclimate. <i>PLoS ONE</i> , 2012 , 7, e37223	3.7	47
129	Competition, facilitation and environmental severity shape the relationship between local and regional species richness in plant communities. <i>Ecography</i> , 2015 , 38, 335-345	6.5	44
128	The effect of initial seed density on the structure of a desert annual plant community. <i>Journal of Ecology</i> , 2002 , 90, 435-445	6	43
127	The effects of foundation species on community assembly: a global study on alpine cushion plant communities. <i>Ecology</i> , 2015 , 96, 2064-9	4.6	41
126	Disentangling direct and indirect effects of a legume shrub on its understorey community. <i>Oikos</i> , 2015 , 124, 1251-1262	4	41
125	Species-specific positive effects in an annual plant community. <i>Oikos</i> , 2008 , 117, 1511-1521	4	40
124	Indirect interactions in terrestrial plant communities: emerging patterns and research gaps. <i>Ecosphere</i> , 2015 , 6, art103	3.1	39
123	Evaluating the popularity of R in ecology. <i>Ecosphere</i> , 2019 , 10, e02567	3.1	39
122	Climatic drivers of plant-plant interactions and diversity in alpine communities. <i>Alpine Botany</i> , 2011 , 121, 63-70	2.5	38
121	The value of stress and limitation in an imperfect world: A reply to Körner. <i>Journal of Vegetation Science</i> , 2004 , 15, 577-580	3.1	38
120	Spatial patterns of association at local and regional scales in coastal sand dune communities. <i>Journal of Vegetation Science</i> , 2009 , 20, 916-925	3.1	37
119	Characterizing a scientific elite (B): publication and citation patterns of the most highly cited scientists in environmental science and ecology. <i>Scientometrics</i> , 2013 , 94, 469-480	3	32

118	A portfolio effect of shrub canopy height on species richness in both stressful and competitive environments. <i>Functional Ecology</i> , 2016 , 30, 60-69	5.6	29
117	Land management trumps the effects of climate change and elevated CO2 on grassland functioning. <i>Journal of Ecology</i> , 2014 , 102, 896-904	6	29
116	Genetic differentiation and phenotypic plasticity in life-history traits between native and introduced populations of invasive maple trees. <i>Biological Invasions</i> , 2015 , 17, 1109-1122	2.7	28
115	Invasive <i>Acer negundo</i> outperforms native species in non-limiting resource environments due to its higher phenotypic plasticity. <i>BMC Ecology</i> , 2011 , 11, 28	2.7	28
114	Cushion plants are foundation species with positive effects extending to higher trophic levels. <i>Ecosphere</i> , 2012 , 3, art96	3.1	28
113	The context dependence of beneficiary feedback effects on benefactors in plant facilitation. <i>New Phytologist</i> , 2014 , 204, 386-96	9.8	27
112	A test for pre-adapted phenotypic plasticity in the invasive tree <i>Acer negundo</i> L. <i>PLoS ONE</i> , 2013 , 8, e74239	3.7	27
111	Taxonomic bias and lack of cross-taxonomic studies in invasion biology. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 349-350	5.5	26
110	Functional assessment of animal interactions with shrub-facilitation complexes: a formal synthesis and conceptual framework. <i>Functional Ecology</i> , 2016 , 30, 41-51	5.6	26
109	Finding the bees knees: A conceptual framework and systematic review of the mechanisms of pollinator-mediated facilitation. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2019 , 36, 33-40 ³		25
108	Sweeping beauty: is grassland arthropod community composition effectively estimated by sweep netting?. <i>Ecology and Evolution</i> , 2013 , 3, 3347-58	2.8	24
107	Non-native earthworms promote plant invasion by ingesting seeds and modifying soil properties. <i>Acta Oecologica</i> , 2015 , 64, 10-20	1.7	22
106	Non-trophic interactions in deserts: Facilitation, interference, and an endangered lizard species. <i>Basic and Applied Ecology</i> , 2017 , 20, 51-61	3.2	21
105	Ambient changes exceed treatment effects on plant species abundance in global change experiments. <i>Global Change Biology</i> , 2018 , 24, 5668-5679	11.4	21
104	Implications of spatial pattern and local density on community-level interactions. <i>Oikos</i> , 2005 , 109, 495-502	4.02	20
103	How to critically read ecological meta-analyses. <i>Research Synthesis Methods</i> , 2015 , 6, 124-33	7.2	19
102	Apical Dominance as an Adaptation in <i>Verbascum thapsus</i> : Effects of Water and Nutrients on Branching. <i>International Journal of Plant Sciences</i> , 1997 , 158, 461-464	2.6	19
101	Native herbivores and plant facilitation mediate the performance and distribution of an invasive exotic grass. <i>Journal of Ecology</i> , 2011 , 99, no-no	6	18

100	The facilitative effects by seeds and seedlings on emergence from the seed bank of a desert annual plant community. <i>Ecoscience</i> , 2002 , 9, 106-111	1.1	18
99	The dark side of facilitation: native shrubs facilitate exotic annuals more strongly than native annuals. <i>NeoBiota</i> , 44 , 75-93	4.2	18
98	Resistance to <i>Centaurea solstitialis</i> invasion from annual and perennial grasses in California and Argentina. <i>Biological Invasions</i> , 2011 , 13, 2249-2259	2.7	17
97	An ecological tardis: the implications of facilitation through evolutionary time. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 627-30	10.9	15
96	Fitness consequences of branching in <i>Verbascum thapsus</i> (Scrophulariaceae). <i>American Journal of Botany</i> , 2000 , 87, 1793-1796	2.7	15
95	The Groot Effect: Plant facilitation and desert shrub regrowth following extensive damage. <i>Ecology and Evolution</i> , 2018 , 8, 706-715	2.8	14
94	Biogeographical contrasts to assess local and regional patterns of invasion: a case study with two reciprocally introduced exotic maple trees. <i>Ecography</i> , 2012 , 35, 803-810	6.5	14
93	A systematic review of arthropod community diversity in association with invasive plants. <i>NeoBiota</i> , 16 , 81-102	4.2	14
92	A systematic review of the attractant-decoy and repellent-plant hypotheses: do plants with heterospecific neighbours escape herbivory?. <i>Journal of Plant Ecology</i> , 2015 , 8, 337-346	1.7	13
91	The effect of consumer pressure and abiotic stress on positive plant interactions are mediated by extreme climatic events. <i>New Phytologist</i> , 2018 , 217, 140-150	9.8	13
90	An ontology for landscapes. <i>Ecological Complexity</i> , 2008 , 5, 272-279	2.6	13
89	Response to Webb et al.: Double-blind review: accept with minor revisions. <i>Trends in Ecology and Evolution</i> , 2008 , 23, 353-354	10.9	13
88	A test of the reserve meristem hypothesis using <i>Verbascum thapsus</i> (Scrophulariaceae). <i>American Journal of Botany</i> , 2000 , 87, 1789-1792	2.7	13
87	Modelling the niche space of desert annuals needs to include positive interactions. <i>Oikos</i> , 2018 , 127, 264-273	4	13
86	Shrub-annual facilitation complexes mediate insect community structure in arid environments. <i>Journal of Arid Environments</i> , 2016 , 134, 1-9	2.5	12
85	Ecosystem services of pollinator diversity: a review of the relationship with pollen limitation of plant reproduction This article is part of a Special Issue entitled Pollination biology research in Canada: Perspectives on a mutualism at different scales <i>Botany</i> , 2012 , 90, 535-543	1.3	12
84	The effects of gerbil foraging on the natural seedbank and consequences on the annual plant community. <i>Oikos</i> , 2000 , 90, 399-407	4	12
83	Synthetic Analysis of the Stress-Gradient Hypothesis 2010 , 125-148		12

82	Biogeographic differences in the allelopathy of leaf surface extracts of an invasive weed. <i>Biological Invasions</i> , 2019 , 21, 3151-3168	2.7	11
81	Facilitation costs and benefits function simultaneously on stress gradients for animals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	11
80	Nurse-plant effects on the seed biology and germination of desert annuals. <i>Austral Ecology</i> , 2014 , 39, 786-794	1.5	11
79	Systematic variation in reviewer practice according to country and gender in the field of ecology and evolution. <i>PLoS ONE</i> , 2008 , 3, e3202	3.7	11
78	Better late than never: a synthesis of strategic land retirement and restoration in California. <i>Ecosphere</i> , 2018 , 9, e02367	3.1	11
77	Shrubs indirectly increase desert seedbanks through facilitation of the plant community. <i>PLoS ONE</i> , 2019 , 14, e0215988	3.7	10
76	Do citations and impact factors relate to the real numbers in publications? A case study of citation rates, impact, and effect sizes in ecology and evolutionary biology. <i>Scientometrics</i> , 2013 , 94, 675-682	3	10
75	Does it pay to have a bigwig as a co-author?. <i>Frontiers in Ecology and the Environment</i> , 2008 , 6, 410-411	5.5	10
74	The small-scale spatiotemporal pattern of a seed bank in the Negev Desert, Israel. <i>Ecoscience</i> , 2002 , 9, 407-413	1.1	10
73	A global meta-analytic contrast of cushion-plant effects on plants and on arthropods. <i>PeerJ</i> , 2014 , 2, e265	3.1	10
72	A meta-analysis of plant facilitation in coastal dune systems: responses, regions, and research gaps. <i>PeerJ</i> , 2015 , 3, e768	3.1	10
71	Competition does not come at the expense of colonization in seed morphs with increased size and dispersal. <i>American Journal of Botany</i> , 2017 , 104, 1323-1333	2.7	9
70	Behind the shroud: a survey of editors in ecology and evolution. <i>Frontiers in Ecology and the Environment</i> , 2010 , 8, 187-192	5.5	8
69	Cage matching: head to head competition experiments of an invasive plant species from different regions as a means to test for differentiation. <i>PLoS ONE</i> , 2009 , 4, e4823	3.7	8
68	A contrast of meta and metafor packages for meta-analyses in R. <i>Ecology and Evolution</i> , 2020 , 10, 10916-10921	4.8	8
67	Online conferences for better learning. <i>Ecology and Evolution</i> , 2020 , 10, 12442-12449	2.8	8
66	Reciprocal gender effects of a keystone alpine plant species on other plants, pollinators, and arthropods. <i>Botany</i> , 2012 , 90, 273-282	1.3	7
65	The small-scale spatiotemporal pattern of the seedbank and vegetation of a highly invasive weed, <i>Centaurea solstitialis</i> : strength in numbers. <i>Oikos</i> , 2010 , 119, 428-436	4	7

64	Does publication in top-tier journals affect reviewer behavior?. <i>PLoS ONE</i> , 2009 , 4, e6283	3.7	7
63	Over-Interpretation: Avoiding the Stigma of Non-Significant Results. <i>Oikos</i> , 1999 , 87, 183	4	7
62	A systematic review of the direct and indirect effects of herbivory on plant reproduction mediated by pollination. <i>PeerJ</i> , 2020 , 8, e9049	3.1	7
61	Positive associations with native shrubs are intense and important for an exotic invader but not the native annual community across an aridity gradient. <i>Diversity and Distributions</i> , 2020 , 26, 1177-1197	5	7
60	A cost-benefit model for plant-plant interactions: a density-series tool to detect facilitation. <i>Plant Ecology</i> , 2016 , 217, 1315-1329	1.7	7
59	Network motifs involving both competition and facilitation predict biodiversity in alpine plant communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
58	Fix-it Felix: advances in testing plant facilitation as a restoration tool. <i>Applied Vegetation Science</i> , 2017 , 20, 315-316	3.3	6
57	Thermal ecology of the federally endangered blunt-nosed leopard lizard () 2020 , 8, coaa014		6
56	A picture is worth a thousand data points: an imagery dataset of paired shrub-open microsites within the Carrizo Plain National Monument. <i>GigaScience</i> , 2016 , 5, 40	7.6	6
55	Back to the basics: using density series to test regulation versus limitation for invasive plants. <i>Plant Ecology</i> , 2010 , 211, 1-5	1.7	6
54	Biodiversity and ecosystem functioning: Have our experiments and indices been underestimating the role of facilitation?. <i>Journal of Ecology</i> , 2021 , 109, 1962-1968	6	6
53	A test of desert shrub facilitation via radiotelemetric monitoring of a diurnal lizard. <i>Ecology and Evolution</i> , 2018 , 8, 12153-12162	2.8	6
52	Shrub and vegetation cover predict resource selection use by an endangered species of desert lizard. <i>Scientific Reports</i> , 2020 , 10, 4884	4.9	5
51	23. Role of Meta-analysis in Interpreting the Scientific Literature 2013 , 364-380		5
50	Species specificity challenges the predictability of facilitation along a regional desert gradient. <i>Journal of Vegetation Science</i> , 2020 , 31, 887-898	3.1	5
49	A meta-analysis contrasting active versus passive restoration practices in dryland agricultural ecosystems. <i>PeerJ</i> , 2020 , 8, e10428	3.1	5
48	The Hierarchy-of-Hypotheses Approach: A Synthesis Method for Enhancing Theory Development in Ecology and Evolution. <i>BioScience</i> , 2021 , 71, 337-349	5.7	5
47	A checklist for choosing between R packages in ecology and evolution. <i>Ecology and Evolution</i> , 2020 , 10, 1098-1105	2.8	5

46	Good news for the people who love bad news: an analysis of the funding of the top 1% most highly cited ecologists. <i>Oikos</i> , 2012 , 121, 1005-1008	4	4
45	24. Using Meta-analysis to Test Ecological and Evolutionary Theory 2013 , 381-406		4
44	Extensive analysis of native and non-native L. populations across the world shows no traces of polyploidization. <i>PeerJ</i> , 2017 , 5, e3531	3.1	4
43	Shrub density effects on the community structure and composition of a desert animal community. <i>Wildlife Biology</i> , 2021 , 2021,	1.7	4
42	Shrubs facilitate native forb re-establishment in an invaded arid shrubland. <i>Journal of Arid Environments</i> , 2019 , 170, 103998	2.5	3
41	Advancing plant ecology through meta-analyses. <i>Journal of Ecology</i> , 2014 , 102, 823-827	6	3
40	Editorial - Synthesis in ecology. <i>Oikos</i> , 2012 , 121, 801-803	4	3
39	How good is half a fish? Communicating outcomes of quantitative syntheses to decision makers. <i>Frontiers in Ecology and the Environment</i> , 2015 , 13, 533-534	5.5	3
38	20. Quality Standards for Research Syntheses 2013 , 323-338		3
37	Letter to the Editor: A global comment on scientific publications, productivity, people, and beer. <i>Scientometrics</i> , 2010 , 84, 539-541	3	3
36	With great power comes great responsibility: the importance of rejection, power, and editors in the practice of scientific publishing. <i>PLoS ONE</i> , 2013 , 8, e85382	3.7	3
35	May the odds be ever in your favor: a brief comment on the review games in ecology1, 1-6		3
34	Establishment of a desert foundation species is limited by exotic plants and light but not herbivory or water. <i>Applied Vegetation Science</i> , 2020 , 23, 586-597	3.3	3
33	Experimental admixture among geographically disjunct populations of an invasive plant yields a global mosaic of reproductive incompatibility and heterosis. <i>Journal of Ecology</i> , 2021 , 109, 2152-2162	6	3
32	A synthesis of local adaptation to climate through reciprocal common gardens. <i>Journal of Ecology</i> ,	6	3
31	Determinants of community compositional change are equally affected by global change. <i>Ecology Letters</i> , 2021 , 24, 1892-1904	10	3
30	Online but not remote: Adapting field-based ecology laboratories for online learning. <i>Ecology and Evolution</i> , 2021 , 11, 3616-3624	2.8	3
29	The diversity of diversity studies: retrospectives and future directions. <i>Ecography</i> , 2015 , 38, 330-334	6.5	2

28	Open Sesame: R for Data Science is Open Science. <i>Ideas in Ecology and Evolution</i> , 2017 , 10,	1	2
27	The four pillars of scholarly publishing: The future and a foundation. <i>Ideas in Ecology and Evolution</i> , 2014 , 7,	1	2
26	21. Graphical Presentation of Results 2013 , 339-347		2
25	Why reply (to Hjeltnes and Price)? <i>Oikos</i> , 2000 , 90, 185-186	4	2
24	Micro-Climatic Amelioration in a California Desert: Artificial Shelter Versus Shrub Canopy. <i>Journal of Ecological Engineering</i> , 2020 , 21, 216-228	2	2
23	Ten simple rules to facilitate evidence implementation in the environmental sciences. <i>Facets</i> , 2020 , 5, 642-650	2.3	2
22	Applied Time Series Analysis with R (2nd Edition). <i>Journal of Statistical Software</i> , 2018 , 85,	7.3	2
21	Ending elitism in peer-review publication. <i>Ideas in Ecology and Evolution</i> , 2009 , 3,	1	2
20	The four pillars of scholarly publishing: The future and a foundation		2
19	A review of R for Data Science: key elements and a critical analysis		2
18	Science Open Reviewed: An online community connecting authors with reviewers for journals. <i>Ideas in Ecology and Evolution</i> , 2012 , 5,	1	2
17	Facilitation promotes plant invasions and indirect negative interactions. <i>Oikos</i> , 2021 , 130, 1056	4	2
16	Germination response of desert annuals to shrub facilitation is species specific but not ecotypic. <i>Journal of Plant Ecology</i> , 2016 , rtw030	1.7	2
15	Too much of a good thing: Shrub benefactors are less important in higher diversity arid ecosystems. <i>Journal of Ecology</i> , 2021 , 109, 2047-2053	6	2
14	Ecological implications of reduced pollen supply in the alpine: a case study using a dominant cushion plant species. <i>F1000Research</i> , 3 , 130	3.6	1
13	A workflow for selecting seeding density in desert species experiments. <i>Journal of Arid Environments</i> , 2022 , 198, 104701	2.5	1
12	Ecological implications of reduced pollen deposition in alpine plants: a case study using a dominant cushion plant species. <i>F1000Research</i> , 2014 , 3, 130	3.6	1
11	Facilitation with a grain of salt: reduced pollinator visitation is an indirect cost of association with the foundation species creosote bush (<i>Larrea tridentata</i>). <i>American Journal of Botany</i> , 2020 , 107, 1342-1354	2.7	1

10	Light intensity and seed density differentially affect the establishment, survival, and biomass of an exotic invader and three species of native competitors. <i>Community Ecology</i> , 2020 , 21, 259-272	1.2	1
9	The shrub <i>Ephedra californica</i> facilitates arthropod communities along a regional desert climatic gradient. <i>Ecosphere</i> , 2021 , 12, e03760	3.1	1
8	Do or do not. There is no try in restoration ecology. <i>Restoration Ecology</i> , 2019 , 27, 955-958	3.1	0
7	Dominant plant facilitation can generate indirect competition in a South-American desert plant community. <i>Journal of Vegetation Science</i> , 2021 , 32, e13024	3.1	0
6	Shrubs as magnets for pollination: A test of facilitation and reciprocity in a shrub-annual facilitation system. <i>Current Research in Insect Science</i> , 2021 , 1, 100008		0
5	Roy Turkington and his legacy to the science of plant ecology. <i>Plant Ecology</i> , 2016 , 217, 1291-1295	1.7	
4	A Tribute to Don Canestro as Insightful Steward of Land and Sea and a Generous Contributor to the Social Good of Natural Reserves. <i>Bulletin of the Ecological Society of America</i> , 2019 , 100, e01533	0.7	
3	How big are bigwigs?: a reply to Havens. <i>Frontiers in Ecology and the Environment</i> , 2008 , 6, 523-523	5.5	
2	Seed aggregation tips the scale in plant competition. <i>Community Ecology</i> , 2021 , 22, 403	1.2	
1	Drivers of plant individual-based pollinator visitation network topology in an arid ecosystem. <i>Ecological Complexity</i> , 2022 , 50, 101003	2.6	