

Jessica Gurevitch

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97
papers

13,993
citations

44
h-index

109
g-index

109
ext. papers

16,044
ext. citations

6.8
avg, IF

6.53
L-index

#	Paper	IF	Citations
97	THE META-ANALYSIS OF RESPONSE RATIOS IN EXPERIMENTAL ECOLOGY. <i>Ecology</i> , 1999 , 80, 1150-1156	4.6	2139
96	A meta-analysis of the response of soil respiration, net nitrogen mineralization, and aboveground plant growth to experimental ecosystem warming. <i>Oecologia</i> , 2001 , 126, 543-562	2.9	1609
95	Are invasive species a major cause of extinctions?. <i>Trends in Ecology and Evolution</i> , 2004 , 19, 470-4	10.9	970
94	Jack of all trades, master of some? On the role of phenotypic plasticity in plant invasions. <i>Ecology Letters</i> , 2006 , 9, 981-93	10	856
93	STATISTICAL ISSUES IN ECOLOGICAL META-ANALYSES. <i>Ecology</i> , 1999 , 80, 1142-1149	4.6	706
92	A Meta-Analysis of Competition in Field Experiments. <i>American Naturalist</i> , 1992 , 140, 539-572	3.7	692
91	Meta-analysis and the science of research synthesis. <i>Nature</i> , 2018 , 555, 175-182	50.4	538
90	The consequences of spatial structure for the design and analysis of ecological field surveys. <i>Ecography</i> , 2002 , 25, 601-615	6.5	509
89	Global Warming and Terrestrial Ecosystems: A Conceptual Framework for Analysis. <i>BioScience</i> , 2000 , 50, 871	5.7	500
88	RESAMPLING TESTS FOR META-ANALYSIS OF ECOLOGICAL DATA. <i>Ecology</i> , 1997 , 78, 1277-1283	4.6	424
87	EMPIRICAL APPROACHES TO QUANTIFYING INTERACTION INTENSITY: COMPETITION AND FACILITATION ALONG PRODUCTIVITY GRADIENTS. <i>Ecology</i> , 1999 , 80, 1118-1131	4.6	345
86	Responses of insect pests, pathogens, and invasive plant species to climate change in the forests of northeastern North America: What can we predict? This article is one of a selection of papers from NE Forests 2100: A Synthesis of Climate Change Impacts on Forests of the Northeastern US and Eastern Canada.. <i>Canadian Journal of Forest Research</i> , 2009 , 39, 231-248	1.9	318
85	The Interaction between Competition and Predation: A Meta-analysis of Field Experiments. <i>American Naturalist</i> , 2000 , 155, 435-453	3.7	311
84	Meta-analysis in ecology. <i>Advances in Ecological Research</i> , 2001 , 199-247	4.6	249
83	Emergent insights from the synthesis of conceptual frameworks for biological invasions. <i>Ecology Letters</i> , 2011 , 14, 407-18	10	232
82	Uses and misuses of meta-analysis in plant ecology. <i>Journal of Ecology</i> , 2014 , 102, 828-844	6	217
81	Biological invasions: a field synopsis, systematic review, and database of the literature. <i>Ecology and Evolution</i> , 2012 , 3, 182-96	2.8	193

80	INVASIVE SPECIES ACCELERATE DECOMPOSITION AND LITTER NITROGEN LOSS IN A MIXED DECIDUOUS FOREST 2005 , 15, 1263-1272		193
79	The distance dependence prediction of the Janzen-Connell hypothesis: a meta-analysis. <i>Oikos</i> , 2003 , 103, 590-602	4	186
78	Analysis of Repeated Measures Experiments. <i>Ecology</i> , 1986 , 67, 251-255	4.6	146
77	OpenMEE: Intuitive, open-source software for meta-analysis in ecology and evolutionary biology. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 941-947	7.7	143
76	Long-term impacts of logging on forest diversity in Madagascar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6045-9	11.5	121
75	Transparency in Ecology and Evolution: Real Problems, Real Solutions. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 711-719	10.9	108
74	Integrating the statistical analysis of spatial data in ecology. <i>Ecography</i> , 2002 , 25, 553-557	6.5	105
73	Competition, Foraging Energetics, and the Cost of Sociality in Three Species of Bees. <i>Ecology</i> , 1979 , 60, 976-987	4.6	94
72	Reproducibility of animal research in light of biological variation. <i>Nature Reviews Neuroscience</i> , 2020 , 21, 384-393	13.5	92
71	Plant Competition in Relation to Neighbor Biomass: An Intercontinental Study with POA Pratensis. <i>Ecology</i> , 1994 , 75, 1753-1760	4.6	92
70	EFFECTS OF SPATIAL STRUCTURES ON THE RESULTS OF FIELD EXPERIMENTS. <i>Ecology</i> , 2004 , 85, 3202-3214	4.6	87
69	Will your paper be used in a meta-analysis? Make the reach of your research broader and longer lasting. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 777-784	7.7	85
68	Population Numbers Count: Tools for Near-Term Demographic Analysis. <i>American Naturalist</i> , 2000 , 156, 242-256	3.7	85
67	6. Effect Sizes: Conventional Choices and Calculations 2013 , 61-71		73
66	Competition and the Local Distribution of the Grass <i>Stipa Neomexicana</i> . <i>Ecology</i> , 1986 , 67, 46-57	4.6	73
65	Quantification of Food Waste Disposal in the United States: A Meta-Analysis. <i>Environmental Science & Technology</i> , 2015 , 49, 13946-53	10.3	71
64	Conventional land-use intensification reduces species richness and increases production: A global meta-analysis. <i>Global Change Biology</i> , 2019 , 25, 1941-1956	11.4	68
63	Explaining global variation in the latitudinal diversity gradient: Meta-analysis confirms known patterns and uncovers new ones. <i>Global Ecology and Biogeography</i> , 2018 , 27, 125-141	6.1	64

62	Forest Invasibility in Communities in Southeastern New York. <i>Biological Invasions</i> , 2004 , 6, 393-410	2.7	63
61	Experimental removal of a dominant species at two levels of soil fertility. <i>Canadian Journal of Botany</i> , 1989 , 67, 3470-3477		63
60	Large-scale longitudinal gradients of genetic diversity: a meta-analysis across six phyla in the Mediterranean basin. <i>Ecology and Evolution</i> , 2012 , 2, 2600-14	2.8	59
59	Competition Among Old-Field Perennials at Different Levels of Soil Fertility and Available Space. <i>Journal of Ecology</i> , 1990 , 78, 727	6	57
58	Potentially dangerous consequences for biodiversity of solar geoengineering implementation and termination. <i>Nature Ecology and Evolution</i> , 2018 , 2, 475-482	12.3	52
57	C allocation to the fungus is not a cost to the plant in ectomycorrhizae. <i>Oikos</i> , 2012 , 121, 449-463	4	52
56	Carbon-isotope discrimination by leaves of <i>Flaveria</i> species exhibiting different amounts of C3 and C4 cycle co-function. <i>Planta</i> , 1988 , 174, 145-51	4.7	51
55	Correlation of native and exotic species richness: a global meta-analysis finds no invasion paradox across scales. <i>Ecology</i> , 2019 , 100, e02552	4.6	46
54	Harmonizing Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. <i>BioScience</i> , 2016 , 66, 890-896	5.7	44
53	Effects of an invasive tree on community structure and diversity in a tropical forest in Puerto Rico. <i>Forest Ecology and Management</i> , 2006 , 226, 145-152	3.9	42
52	VARIATION IN LEAF DISSECTION AND LEAF ENERGY BUDGETS AMONG POPULATIONS OF ACHILLEA FROM AN ALTITUDINAL GRADIENT. <i>American Journal of Botany</i> , 1988 , 75, 1298-1306	2.7	42
51	Sources of variation in leaf shape among two populations of <i>Achillea lanulosa</i> . <i>Genetics</i> , 1992 , 130, 385-94		42
50	Boundary layer properties of highly dissected leaves: an investigation using an electrochemical fluid tunnel. <i>Plant, Cell and Environment</i> , 1990 , 13, 783-792	8.4	36
49	8. Statistical Models and Approaches to Inference 2013 , 89-107		35
48	The Response of Leaf Water Potential and Crassulacean Acid Metabolism to Prolonged Drought in <i>Sedum rubrotinctum</i> . <i>Plant Physiology</i> , 1986 , 81, 678-80	6.6	33
47	Differentiation among populations of <i>Sedum wrightii</i> (Crassulaceae) in response to limited water availability: water relations, CO assimilation, growth and survivorship. <i>Oecologia</i> , 1986 , 70, 198-204	2.9	31
46	Preferred reporting items for systematic reviews and meta-analyses in ecology and evolutionary biology: a PRISMA extension. <i>Biological Reviews</i> , 2021 , 96, 1695-1722	13.5	31
45	Landscape Demography: Population Change and its Drivers Across Spatial Scales. <i>Quarterly Review of Biology</i> , 2016 , 91, 459-85	5.4	30

44	Effects of experimental manipulation of light and nutrients on establishment of seedlings of native and invasive woody species in Long Island, NY forests. <i>Biological Invasions</i> , 2008 , 10, 821-831	2.7	30
43	Meta-analysis and meta-regression of transcriptomic responses to water stress in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2016 , 85, 548-60	6.9	30
42	Experimental manipulation of natural plant communities. <i>Trends in Ecology and Evolution</i> , 1994 , 9, 94-8	10.9	29
41	VARIATION IN LEAF DISSECTION AND LEAF ENERGY BUDGETS AMONG POPULATIONS OF <i>ACHILLEA</i> FROM AN ALTITUDINAL GRADIENT 1988 , 75, 1298		28
40	A genetic analysis of the photosynthetic properties of populations of <i>Danthonia spicata</i> that have different growth responses to light level. <i>Oecologia</i> , 1984 , 64, 74-77	2.9	26
39	Scale-dependent portfolio effects explain growth inflation and volatility reduction in landscape demography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12507-12511	11.5	20
38	Meta-analysis results are unlikely to be biased by differences in variance and replication between ecological lab and field studies. <i>Oikos</i> , 2014 , 123, 794-799	4	18
37	A statistical view of synthesizing patterns of species richness along productivity gradients: devils, forests, and trees. <i>Ecology</i> , 2010 , 91, 2553-60	4.6	18
36	Empowering peer reviewers with a checklist to improve transparency. <i>Nature Ecology and Evolution</i> , 2018 , 2, 929-935	12.3	18
35	A global systematic review of ecological field studies on two major invasive plant species, <i>Ageratina adenophora</i> and <i>Chromolaena odorata</i> . <i>Diversity and Distributions</i> , 2016 , 22, 1174-1185	5	17
34	Commentary on Simberloff (2006): Meltdowns, snowballs and positive feedbacks. <i>Ecology Letters</i> , 2006 , 9, 919-21; discussion 921-2	10	17
33	Variation in recruitment and early demography in <i>Pinus rigida</i> following crown fire in the pine barrens of Long Island, New York. <i>Journal of Ecology</i> , 2005 , 93, 607-617	6	16
32	Evolutionary history predicts high-impact invasions by herbivorous insects. <i>Ecology and Evolution</i> , 2019 , 9, 12216-12230	2.8	15
31	Sources of variation in growth, form, and survival in dwarf and normal-stature pitch pines (<i>Pinus rigida</i> , Pinaceae) in long-term transplant experiments. <i>American Journal of Botany</i> , 2006 , 93, 1125-33	2.7	13
30	Biological invasions in the context of green roofs. <i>Israel Journal of Ecology and Evolution</i> , 2016 , 62, 32-43	0.8	12
29	Plant size and spatial pattern in a natural population of <i>Myosotis micrantha</i> . <i>Journal of Vegetation Science</i> , 1995 , 6, 847-852	3.1	12
28	Potential ecological impacts of climate intervention by reflecting sunlight to cool Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
27	7. Using Other Metrics of Effect Size in Meta-analysis 2013 , 72-86		10

26	Response to Ricciardi. Assessing species invasions as a cause of extinction. <i>Trends in Ecology and Evolution</i> , 2004 , 19, 620-620	10.9	9
25	Using Meta-Analysis to Develop Evidence-Based Recovery Trajectories of Vegetation and Soils in Restored Wetlands in the Northern Gulf of Mexico. <i>Estuaries and Coasts</i> , 2020 , 43, 1692-1710	2.8	9
24	The influence of environmental factors on the distribution and density of invasive <i>Centaurea stoebe</i> across Northeastern USA. <i>Biological Invasions</i> , 2018 , 20, 3009-3023	2.7	9
23	Integrating ecology into green roof research. <i>Israel Journal of Ecology and Evolution</i> , 2016 , 62, 1-6	0.8	8
22	Meta-Analysis and Systematic Reviews in Ecology 2016 , 1-11		8
21	19. Meta-analysis of Results from Multisite Studies 2013 , 313-320		8
20	Research synthesis methods in ecology 2015 , 200-227		8
19	Consequences of multiple imputation of missing standard deviations and sample sizes in meta-analysis. <i>Ecology and Evolution</i> , 2020 , 10, 11699-11712	2.8	8
18	12. Software for Statistical Meta-analysis 2013 , 174-192		7
17	Weed community responses in a corn-soybean intercrop. <i>Applied Vegetation Science</i> , 1998 , 1, 281-288	3.3	5
16	Competition and genetic background in a rapid-cycling cultivar of brassica rapa (Brassicaceae). <i>American Journal of Botany</i> , 1996 , 83, 932-938	2.7	5
15	THE META-ANALYSIS OF RESPONSE RATIOS IN EXPERIMENTAL ECOLOGY 1999 , 80, 1150		5
14	Restriction of a C3 grass to dry ridges in a semiarid grassland. <i>Canadian Journal of Botany</i> , 1986 , 64, 1006-1011		4
13	Increased reproduction under disturbance is responsible for high population growth rate of invasive <i>Centaurea stoebe</i> . <i>Biological Invasions</i> , 2020 , 22, 1947-1956	2.7	3
12	20. Quality Standards for Research Syntheses 2013 , 323-338		3
11	Competition and genetic background in a rapid-cycling cultivar of brassica rapa (Brassicaceae) 1996 , 83, 932		3
10	Open science and meta-analysis allow for rapid advances in ecology: A response to Menegotto et al. (2019). <i>Global Ecology and Biogeography</i> , 2019 , 28, 1533-1534	6.1	2
9	The impact is in the details: evaluating a standardized protocol and scale for determining non-native insect impact. <i>NeoBiota</i> , 55 , 61-83	4.2	2

8	Trade-Offs and Synergies Between Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes 2019 , 251-256		2
7	Sigma-Plot..John Norby , Steve Rubenstein , Thomas Tuerke , Cathy Schwallie Farmer , Jeff Bennington. <i>Quarterly Review of Biology</i> , 1991 , 66, 115-116	5.4	2
6	Promoting transparency in evolutionary biology, ecology, and ornithologyPromover la transparencia en la biolog�a evolutiva, la ecolog�a y la ornitolog�aPromoting transparency in evolutionary biology, ecology, and ornithology. <i>Auk</i> , 2016 , 133, 779-782	2.1	1
5	Fraud Not a Primary Cause of Irreproducible Results: A Reply to Clark et al. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 900	10.9	1
4	Managing forests for competing goals.. <i>Science</i> , 2022 , 376, 792-793	33.3	1
3	Reply to Tt is time for an empirically informed paradigm shift in animal researchT <i>Nature Reviews Neuroscience</i> , 2020 , 21, 661-662	13.5	0
2	ECOLOGY: Sparrow Wars, Reptilian Eucalypts, and Xenophobes. <i>Science</i> , 2007 , 316, 544-544	33.3	
1	Resolution of Respect William M. Schaffer, 1945�2021. <i>Bulletin of the Ecological Society of America</i> , 2021 , 102, e01884	0.7	