

Jessica Gurevitch

List of Publications by Year in descending order

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99
papers

18,336
citations

46918

47
h-index

54797

84
g-index

109
all docs

109
docs citations

109
times ranked

20261
citing authors

#	ARTICLE	IF	CITATIONS
1	THE META-ANALYSIS OF RESPONSE RATIOS IN EXPERIMENTAL ECOLOGY. <i>Ecology</i> , 1999, 80, 1150-1156.	1.5	2,977
2	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.	0.9	1,877
3	Are invasive species a major cause of extinctions?. <i>Trends in Ecology and Evolution</i> , 2004, 19, 470-474.	4.2	1,177
4	Jack of all trades, master of some? On the role of phenotypic plasticity in plant invasions. <i>Ecology Letters</i> , 2006, 9, 981-993.	3.0	1,063
5	Meta-analysis and the science of research synthesis. <i>Nature</i> , 2018, 555, 175-182.	13.7	960
6	STATISTICAL ISSUES IN ECOLOGICAL META-ANALYSES. <i>Ecology</i> , 1999, 80, 1142-1149.	1.5	870
7	A Meta-Analysis of Competition in Field Experiments. <i>American Naturalist</i> , 1992, 140, 539-572.	1.0	779
8	Global Warming and Terrestrial Ecosystems: A Conceptual Framework for Analysis. <i>BioScience</i> , 2000, 50, 871.	2.2	599
9	The consequences of spatial structure for the design and analysis of ecological field surveys. <i>Ecography</i> , 2002, 25, 601-615.	2.1	575
10	RESAMPLING TESTS FOR META-ANALYSIS OF ECOLOGICAL DATA. <i>Ecology</i> , 1997, 78, 1277-1283.	1.5	534
11	EMPIRICAL APPROACHES TO QUANTIFYING INTERACTION INTENSITY: COMPETITION AND FACILITATION ALONG PRODUCTIVITY GRADIENTS. <i>Ecology</i> , 1999, 80, 1118-1131.	1.5	402
12	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.	0.8	393
13	The Interaction between Competition and Predation: A Meta-analysis of Field Experiments. <i>American Naturalist</i> , 2000, 155, 435-453.	1.0	374
14	Meta-analysis in ecology. <i>Advances in Ecological Research</i> , 2001, , 199-247.	1.4	313
15	Uses and misuses of meta-analysis in plant ecology. <i>Journal of Ecology</i> , 2014, 102, 828-844.	1.9	285
16	Emergent insights from the synthesis of conceptual frameworks for biological invasions. <i>Ecology Letters</i> , 2011, 14, 407-418.	3.0	269
17	<i>OpenMEE</i> : Intuitive, open-source software for meta-analysis in ecology and evolutionary biology. <i>Methods in Ecology and Evolution</i> , 2017, 8, 941-947.	2.2	267
18	Biological invasions: a field synopsis, systematic review, and database of the literature. <i>Ecology and Evolution</i> , 2013, 3, 182-196.	0.8	240

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19	INVASIVE SPECIES ACCELERATE DECOMPOSITION AND LITTER NITROGEN LOSS IN A MIXED DECIDUOUS FOREST. , 2005, 15, 1263-1272.		232
20	The distance dependence prediction of the Janzen-Connell hypothesis: a meta-analysis. <i>Oikos</i> , 2003, 103, 590-602.	1.2	219
21	Analysis of Repeated Measures Experiments. <i>Ecology</i> , 1986, 67, 251-255.	1.5	208
22	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.	4.7	203
23	Reproducibility of animal research in light of biological variation. <i>Nature Reviews Neuroscience</i> , 2020, 21, 384-393.	4.9	193
24	Conventional land-use intensification reduces species richness and increases production: A global meta-analysis. <i>Global Change Biology</i> , 2019, 25, 1941-1956.	4.2	161
25	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, 6045-6049.	3.3	152
26	Transparency in Ecology and Evolution: Real Problems, Real Solutions. <i>Trends in Ecology and Evolution</i> , 2016, 31, 711-719.	4.2	151
27	Competition, Foraging Energetics, and the Cost of Sociality in Three Species of Bees. <i>Ecology</i> , 1979, 60, 976-987.	1.5	135
28	Competition and the Local Distribution of the Grass <i>Stipa Neomexicana</i> . <i>Ecology</i> , 1986, 67, 46-57.	1.5	127
29	Integrating the statistical analysis of spatial data in ecology. <i>Ecography</i> , 2002, 25, 553-557.	2.1	125
30	Plant Competition in Relation to Neighbor Biomass: An Intercontinental Study with <i>POA Pratensis</i> . <i>Ecology</i> , 1994, 75, 1753-1760.	1.5	120
31	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.	2.2	119
32	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.	2.7	108
33	EFFECTS OF SPATIAL STRUCTURES ON THE RESULTS OF FIELD EXPERIMENTS. <i>Ecology</i> , 2004, 85, 3202-3214.	1.5	100
34	Population Numbers Count: Tools for Near-Term Demographic Analysis. <i>American Naturalist</i> , 2000, 156, 242-256.	1.0	98
35	Experimental removal of a dominant species at two levels of soil fertility. <i>Canadian Journal of Botany</i> , 1989, 67, 3470-3477.	1.2	96
36	Quantification of Food Waste Disposal in the United States: A Meta-Analysis. <i>Environmental Science & Technology</i> , 2015, 49, 13946-13953.	4.6	95

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37	Potentially dangerous consequences for biodiversity of solar geoengineering implementation and termination. <i>Nature Ecology and Evolution</i> , 2018, 2, 475-482.	3.4	89
38	6. Effect Sizes: Conventional Choices and Calculations. , 2013, , 61-71.		88
39	Correlation of native and exotic species richness: a global meta-analysis finds no invasion paradox across scales. <i>Ecology</i> , 2019, 100, e02552.	1.5	82
40	Competition Among Old-Field Perennials at Different Levels of Soil Fertility and Available Space. <i>Journal of Ecology</i> , 1990, 78, 727.	1.9	70
41	Forest Invasibility in Communities in Southeastern New York. <i>Biological Invasions</i> , 2004, 6, 393-410.	1.2	69
42	C allocation to the fungus is not a cost to the plant in ectomycorrhizae. <i>Oikos</i> , 2012, 121, 449-463.	1.2	69
43	Sources of variation in leaf shape among two populations of <i>Achillea lanulosa</i> . <i>Genetics</i> , 1992, 130, 385-394.	1.2	69
44	Large-scale longitudinal gradients of genetic diversity: a meta-analysis across six phyla in the Mediterranean basin. <i>Ecology and Evolution</i> , 2012, 2, 2600-2614.	0.8	65
45	Meta-analysis and meta-regression of transcriptomic responses to water stress in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2016, 85, 548-560.	2.8	64
46	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, 145-151.	1.6	60
47	Harmonizing Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. <i>BioScience</i> , 2016, 66, 890-896.	2.2	60
48	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.	1.4	50
49	VARIATION IN LEAF DISSECTION AND LEAF ENERGY BUDGETS AMONG POPULATIONS OF <i>ACHILLEA</i> FROM AN ALTITUDINAL GRADIENT. <i>American Journal of Botany</i> , 1988, 75, 1298-1306.	0.8	49
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.	2.8	48
51	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, .	3.3	46
52	Landscape Demography: Population Change and its Drivers Across Spatial Scales. <i>Quarterly Review of Biology</i> , 2016, 91, 459-485.	0.0	45
53	The Response of Leaf Water Potential and Crassulacean Acid Metabolism to Prolonged Drought in <i>Sedum rubrotinctum</i> . <i>Plant Physiology</i> , 1986, 81, 678-680.	2.3	41
54	8. Statistical Models and Approaches to Inference. , 2013, , 89-107.		41

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55	Differentiation among populations of <i>Sedum wrightii</i> (Crassulaceae) in response to limited water availability: water relations, CO ₂ assimilation, growth and survivorship. <i>Oecologia</i> , 1986, 70, 198-204.	0.9	37
56	Experimental manipulation of natural plant communities. <i>Trends in Ecology and Evolution</i> , 1994, 9, 94-98.	4.2	35
57	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.	1.2	35
58	VARIATION IN LEAF DISSECTION AND LEAF ENERGY BUDGETS AMONG POPULATIONS OF <i>ACHILLEA</i> FROM AN ALTITUDINAL GRADIENT. , 1988, 75, 1298.		31
59	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.	0.9	29
60	Evolutionary history predicts high-impact invasions by herbivorous insects. <i>Ecology and Evolution</i> , 2019, 9, 12216-12230.	0.8	28
61	Empowering peer reviewers with a checklist to improve transparency. <i>Nature Ecology and Evolution</i> , 2018, 2, 929-935.	3.4	26
62	Consequences of multiple imputation of missing standard deviations and sample sizes in meta-analysis. <i>Ecology and Evolution</i> , 2020, 10, 11699-11712.	0.8	26
63	Reporting standards in experimental studies. <i>Ecology Letters</i> , 2013, 16, 1419-1420.	3.0	24
64	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.	1.9	24
65	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.	3.3	24
66	Biological invasions in the context of green roofs. <i>Israel Journal of Ecology and Evolution</i> , 2016, 62, 32-43.	0.2	22
67	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.	1.9	20
68	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.	1.2	20
69	A statistical view of synthesizing patterns of species richness along productivity gradients: devils, forests, and trees. <i>Ecology</i> , 2010, 91, 2553-2560.	1.5	19
70	Commentary on Simberloff (2006): Meltdowns, snowballs and positive feedbacks. <i>Ecology Letters</i> , 2006, 9, 919-921.	3.0	18
71	Promoting transparency in evolutionary biology and ecology. <i>Ecology Letters</i> , 2016, 19, 726-728.	3.0	18
72	Research synthesis methods in ecology. , 2015, , 200-227.		15

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73	Sources of variation in growth, form, and survival in dwarf and normal-stature pitch pines (<i>Pinus</i>). <i>Journal of Ecology</i> , 1995, 83, 1125-1133.	0.78	14
74	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.	1.2	14
75	Plant size and spatial pattern in a natural population of <i>Myosotis micrantha</i> . <i>Journal of Vegetation Science</i> , 1995, 6, 847-852.	1.1	12
76	Integrating ecology into green roof research. <i>Israel Journal of Ecology and Evolution</i> , 2016, 62, 1-6.	0.2	12
77	Response to Ricciardi. Assessing species invasions as a cause of extinction. <i>Trends in Ecology and Evolution</i> , 2004, 19, 620-620.	4.2	11
78	7. Using Other Metrics of Effect Size in Meta-analysis. , 2013, , 72-86.		11
79	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.	1.0	11
80	19. Meta-analysis of Results from Multisite Studies. , 2013, , 313-320.		9
81	Managing forests for competing goals. <i>Science</i> , 2022, 376, 792-793.	6.0	8
82	Weed community responses in a corn-soybean intercrop. <i>Applied Vegetation Science</i> , 1998, 1, 281-288.	0.9	7
83	12. Software for Statistical Meta-analysis. , 2013, , 174-192.		7
84	The impact is in the details: evaluating a standardized protocol and scale for determining non-native insect impact. <i>NeoBiota</i> , 0, 55, 61-83.	1.0	7
85	THE META-ANALYSIS OF RESPONSE RATIOS IN EXPERIMENTAL ECOLOGY. , 1999, 80, 1150.		6
86	Restriction of a C3 grass to dry ridges in a semiarid grassland. <i>Canadian Journal of Botany</i> , 1986, 64, 1006-1011.	1.2	5
87	Competition and genetic background in a rapidly-cycling cultivar of <i>brassica rapa</i> (Brassicaceae). <i>American Journal of Botany</i> , 1996, 83, 932-938.	0.8	5
88	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.	1.2	5
89	20. Quality Standards for Research Syntheses. , 2013, , 323-338.		4
90	Reply to "It is time for an empirically informed paradigm shift in animal research". <i>Nature Reviews Neuroscience</i> , 2020, 21, 661-662.	4.9	4

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91	Sigma-Plot. John Norby , Steve Rubenstein , Thomas Tuerke , Cathy Schwallie Farmer , Jeff Bennington. Quarterly Review of Biology, 1991, 66, 115-116.	0.0	4
92	Competition and genetic background in a rapid-cycling cultivar of brassica rapa (Brassicaceae). , 1996, 83, 932.		3
93	Promoting transparency in evolutionary biology, ecology, and ornithology. Auk, 2016, 133, 779-782.	0.7	2
94	Open science and meta-analysis allow for rapid advances in ecology: A response to Menegotto et al. (2019). Global Ecology and Biogeography, 2019, 28, 1533-1534.	2.7	2
95	Trade-Offs and Synergies Between Biodiversity Conservation and Productivity in the Context of Increasing Demands on Landscapes. , 2019, , 251-256.		2
96	Fraud Not a Primary Cause of Irreproducible Results: A Reply to Clark et al.. Trends in Ecology and Evolution, 2016, 31, 900.	4.2	1
97	ECOLOGY: Sparrow Wars, Reptilian Eucalypts, and Xenophobes. Science, 2007, 316, 544-544.	6.0	0
98	Robert Rueven Sokal 1926â€“2012. Bulletin of the Ecological Society of America, 2012, 93, 187-190.	0.2	0
99	Resolution of Respect William M. Schaffer, 1945â€“2021. Bulletin of the Ecological Society of America, 2021, 102, e01884.	0.2	0