Nathan J Sanders

List of Publications by Year
in descending order

183 papers	14,973 citations	30551 56 h-index	23841 115 g-index
189 all docs	189 docs citations	189 times ranked	18483 citing authors

#	Article	IF	Citations
1	Navigating the multiple meanings of Î² diversity: a roadmap for the practicing ecologist. Ecology Letters, 2011, 14, 19-28.	3.0	1,899
2	Plant Genotypic Diversity Predicts Community Structure and Governs an Ecosystem Process. Science, 2006, 313, 966-968.	6.0	719
3	Disentangling the Drivers of Î² Diversity Along Latitudinal and Elevational Gradients. Science, 2011, 333, 1755-1758.	6.0	617
4	Community and Ecosystem Responses to Elevational Gradients: Processes, Mechanisms, and Insights for Global Change. Annual Review of Ecology, Evolution, and Systematics, 2013, 44, 261-280.	3.8	484
5	The links between ecosystem multifunctionality and above- and belowground biodiversity are mediated by climate. Nature Communications, 2015, 6, 8159.	5.8	471
6	Shifting plant species composition in response to climate change stabilizes grassland primary production. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4051-4056.	3.3	431
7	Community disassembly by an invasive species. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2474-2477.	3.3	378
8	The patterns and causes of elevational diversity gradients. Ecography, 2012, 35, 1-3.	2.1	363
9	The biogeography of prediction error: why does the introduced range of the fire ant over-predict its native range?. Global Ecology and Biogeography, 2007, 16, 24-33.	2.7	300
10	Elevational gradients in ant species richness: area, geometry, and Rapoport's rule. Ecography, 2002, 25, 25-32.	2.1	284
11	Lags in the response of mountain plant communities to climate change. Global Change Biology, 2018, 24, 563-579.	4.2	279
12	Compounded effects of climate change and habitat alteration shift patterns of butterfly diversity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2088-2092.	3.3	269
13	Temperature, but not productivity or geometry, predicts elevational diversity gradients in ants across spatial grains. Global Ecology and Biogeography, 2007, 16, 640-649.	2.7	249
14	Interaction rewiring and the rapid turnover of plantâ€"pollinator networks. Ecology Letters, 2017, 20, 385-394.	3.0	246
15	Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. Ecology Letters, 2009, 12, 324-333.	3.0	233
16	Coefficient shifts in geographical ecology: an empirical evaluation of spatial and nonâ€spatial regression. Ecography, 2009, 32, 193-204.	2.1	231
17	Convergent effects of elevation on functional leaf traits within and among species. Functional Ecology, 2014, 28, 37-45.	1.7	203
18	Elevation alters ecosystem properties across temperate treelines globally. Nature, 2017, 542, 91-95.	13.7	200

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19	Climate change, plant migration, and range collapse in a global biodiversity hotspot: the<i>Banksia</i>(Proteaceae) of Western Australia. Global Change Biology, 2008, 14, 1337-1352.	4.2	196
20	Latitude, elevational climatic zonation and speciation in New World vertebrates. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 194-201.	1.2	186
21	The origin and maintenance of montane diversity: integrating evolutionary and ecological processes. Ecography, 2014, 37, 711-719.	2.1	182
22	Elevational gradients in phylogenetic structure of ant communities reveal the interplay of biotic and abiotic constraints on diversity. Ecography, 2011, 34, 364-371.	2.1	179
23	Understanding (insect) species distributions across spatial scales. Ecography, 2010, 33, 51-53.	2.1	158
24	Intraspecific diversity and dominant genotypes resist plant invasions. Ecology Letters, 2008, 11, 16-23.	3.0	150
25	Environmental and historical imprints on beta diversity: insights from variation in rates of species turnover along gradients. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131201.	1.2	145
26	Drivers of future alien species impacts: An expertâ€based assessment. Global Change Biology, 2020, 26, 4880-4893.	4.2	145
27	A GLOBAL EVALUATION OF METABOLIC THEORY AS AN EXPLANATION FOR TERRESTRIAL SPECIES RICHNESS GRADIENTS. Ecology, 2007, 88, 1877-1888.	1.5	139
28	Patterns of ant species richness along elevational gradients in an arid ecosystem. Global Ecology and Biogeography, 2003, 12, 93-102.	2.7	136
29	Relative roles of climatic suitability and anthropogenic influence in determining the pattern of spread in a global invader. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 220-225.	3.3	128
30	Non-native and native organisms moving into high elevation and high latitude ecosystems in an era of climate change: new challenges for ecology and conservation. Biological Invasions, 2016, 18, 345-353.	1.2	127
31	Alpine grassland plants grow earlier and faster but biomass remains unchanged over 35 years of climate change. Ecology Letters, 2020, 23, 701-710.	3.0	124
32	Stochastic and deterministic drivers of spatial and temporal turnover in breeding bird communities. Global Ecology and Biogeography, 2013, 22, 202-212.	2.7	121
33	Consistently inconsistent drivers of microbial diversity and abundance at macroecological scales. Ecology, 2017, 98, 1757-1763.	1.5	119
34	<i>GlobalAnts</i>: a new database on the geography of ant traits (Hymenoptera: Formicidae). Insect Conservation and Diversity, 2017, 10, 5-20.	1.4	119
35	Macroecology to Unite All Life, Large and Small. Trends in Ecology and Evolution, 2018, 33, 731-744.	4.2	118
36	A physiological traitâ€based approach to predicting the responses of species to experimental climate warming. Ecology, 2012, 93, 2305-2312.	1.5	113

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37	Strong influence of regional species pools on continent-wide structuring of local communities. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 266-274.	1.2	102
38	Elevational Gradients in Bird Diversity in the Eastern Himalaya: An Evaluation of Distribution Patterns and Their Underlying Mechanisms. PLoS ONE, 2011, 6, e29097.	1.1	89
39	Global diversity in light of climate change: the case of ants. Diversity and Distributions, 2011, 17, 652-662.	1.9	87
40	Temperature-mediated coexistence in temperate forest ant communities. Insectes Sociaux, 2009, 56, 149-156.	0.7	85
41	Fifty Years of Mountain Passes: A Perspective on Dan Janzenâ€™s Classic Article. American Naturalist, 2018, 191, 553-565.	1.0	85
42	HOST-PLANT GENOTYPIC DIVERSITY MEDIATES THE DISTRIBUTION OF AN ECOSYSTEM ENGINEER. Ecology, 2007, 88, 2114-2120.	1.5	83
43	Assembly rules of ground-foraging ant assemblages are contingent on disturbance, habitat and spatial scale. Journal of Biogeography, 2007, 34, 1632-1641.	1.4	83
44	RESOURCE-DEPENDENT INTERACTIONS AND THE ORGANIZATION OF DESERT ANT COMMUNITIES. Ecology, 2003, 84, 1024-1031.	1.5	82
45	Invasive ants alter the phylogenetic structure of ant communities. Ecology, 2009, 90, 2664-2669.	1.5	81
46	Forecasting the future of biodiversity: a test of single- and multi-species models for ants in North America. Ecography, 2011, 34, 836-847.	2.1	81
47	Species interactions and thermal constraints on ant community structure. Oikos, 2010, 119, 551-559.	1.2	77
48	Relative importance of climate vs local factors in shaping the regional patterns of forest plant richness across northeast China. Ecography, 2009, 32, 133-142.	2.1	74
49	When does diversity fit null model predictions? Scale and range size mediate the mid-domain effect. Global Ecology and Biogeography, 2007, 16, 305-312.	2.7	73
50	Foraging by forest ants under experimental climatic warming: a test at two sites. Ecology and Evolution, 2013, 3, 482-491.	0.8	73
51	Long-term dynamics of the distribution of the invasive Argentine ant, Linepithema humile, and native ant taxa in northern California. Oecologia, 2001, 127, 123-130.	0.9	71
52	Tradeoffs, competition, and coexistence in eastern deciduous forest ant communities. Oecologia, 2013, 171, 981-992.	0.9	71
53	Determinants of the detrital arthropod community structure: the effects of temperature and resources along an environmental gradient. Oikos, 2011, 120, 333-343.	1.2	70
54	An Ant Mosaic Revisited: Dominant Ant Species Disassemble Arboreal Ant Communities but Co-Occur Randomly. Biotropica, 2007, 39, 422-427.	0.8	65

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55	Variation in seed dispersal along an elevational gradient in Great Smoky Mountains National Park. Acta Oecologica, 2008, 34, 155-162.	0.5	65
56	Linking soil food web structure to above- and belowground ecosystem processes: a meta-analysis. Oikos, 2010, 119, 1984-1992.	1.2	63
57	Global urban environmental change drives adaptation in white clover. Science, 2022, 375, 1275-1281.	6.0	62
58	Beyond thermal limits: comprehensive metrics of performance identify key axes of thermal adaptation in ants. Functional Ecology, 2017, 31, 1091-1100.	1.7	59
59	Climate mediates the effects of disturbance on ant assemblage structure. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150418.	1.2	58
60	Heating up the forest: openâ€top chamber warming manipulation of arthropod communities at Harvard and Duke Forests. Methods in Ecology and Evolution, 2011, 2, 534-540.	2.2	57
61	Disparate effects of plant genotypic diversity on foliage and litter arthropod communities. Oecologia, 2008, 158, 65-75.	0.9	56
62	Rainfall facilitates the spread, and time alters the impact, of the invasive Argentine ant. Oecologia, 2008, 155, 385-395.	0.9	56
63	Comparing intra- and inter-specific effects on litter decomposition in an old-field ecosystem. Basic and Applied Ecology, 2009, 10, 535-543.	1.2	56
64	Node-by-node disassembly of a mutualistic interaction web driven by species introductions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16503-16507.	3.3	56
65	Herbarium specimens reveal increasing herbivory over the past century. Journal of Ecology, 2019, 107, 105-117.	1.9	56
66	Temporal patterns of diversity: assessing the biotic and abiotic controls on ant assemblages. Biological Journal of the Linnean Society, 2007, 91, 191-201.	0.7	54
67	Disruption of ant-seed dispersal mutualisms by the invasive Asian needle ant (Pachycondyla chinensis). Biological Invasions, 2012, 14, 557-565.	1.2	54
68	Geographical variation in the importance of water and energy for oak diversity. Journal of Biogeography, 2016, 43, 279-288.	1.4	54
69	Biological Invaders in a Greenhouse World: Will Elevated CO 2 Fuel Plant Invasions?. Frontiers in Ecology and the Environment, 2003, 1, 146.	1.9	53
70	Climatic warming destabilizes forest ant communities. Science Advances, 2016, 2, e1600842.	4.7	53
71	The effects of fire, local environment and time on ant assemblages in fens and forests. Diversity and Distributions, 2005, 11, 487-497.	1.9	50
72	METABOLIC THEORY AND DIVERSITY GRADIENTS: WHERE DO WE GO FROM HERE?. Ecology, 2007, 88, 1898-1902.	1.5	47

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73	The effects of interspecific interactions on resource use and behavior in a desert ant. Oecologia, 2000, 125, 436-443.	0.9	44
74	Biotic and abiotic influences on native and exotic richness relationship across spatial scales: favourable environments for native species are highly invasible. Functional Ecology, 2011, 25, 1106-1112.	1.7	44
75	Synchronous behavioural shifts in reef fishes linked to mass coral bleaching. Nature Climate Change, 2018, 8, 986-991.	8.1	44
76	Plant genetics shapes inquiline community structure across spatial scales. Ecology Letters, 2009, 12, 285-292.	3.0	43
77	Microbial communities respond to experimental warming, but site matters. PeerJ, 2014, 2, e358.	0.9	43
78	A distributed experiment demonstrates widespread sodium limitation in grassland food webs. Ecology, 2019, 100, e02600.	1.5	42
79	Sodium coâ€limits and catalyzes macronutrients in a prairie food web. Ecology, 2017, 98, 315-320.	1.5	40
80	The effect of natural disturbances on forest biodiversity: an ecological synthesis. Biological Reviews, 2022, 97, 1930-1947.	4.7	40
81	Niche filtering rather than partitioning shapes the structure of temperate forest ant communities. Journal of Animal Ecology, 2014, 83, 943-952.	1.3	39
82	Dominanceâ€"diversity relationships in ant communities differ with invasion. Global Change Biology, 2018, 24, 4614-4625.	4.2	39
83	Temporal dynamics in nonâ€additive responses of arthropods to hostâ€plant genotypic diversity. Oikos, 2008, 117, 255-264.	1.2	38
84	Plant phenological sensitivity to climate change on the Tibetan Plateau and relative to other areas of the world. Ecosphere, 2019, 10, e02543.	1.0	38
85	Response of macroarthropod assemblages to the loss of hemlock (<i>Tsuga canadensis</i>), a foundation species. Ecosphere, 2011, 2, art74.	1.0	37
86	A global database of ant species abundances. Ecology, 2017, 98, 883-884.	1.5	37
87	The recovery of ant communities in regenerating temperate conifer forests. Forest Ecology and Management, 2007, 242, 619-624.	1.4	36
88	Rarity and Diversity in Forest Ant Assemblages of Great Smoky Mountains National Park. Southeastern Naturalist, 2007, 6, 215-228.	0.2	35
89	Common garden experiments reveal uncommon responses across temperatures, locations, and species of ants. Ecology and Evolution, 2012, 2, 3009-3015.	0.8	35
90	Using Physiology to Predict the Responses of Ants to Climatic Warming. Integrative and Comparative Biology, 2013, 53, 965-974.	0.9	35

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91	Heat tolerance predicts the importance of species interaction effects as the climate changes. Integrative and Comparative Biology, 2017, 57, 112-120.	0.9	35
92	Disturbance alters localâ€“regional richness relationships in Appalachian forests. Ecology, 2009, 90, 2940-2947.	1.5	33
93	Linking Temporal and Spatial Scales in the Study of an Argentine Ant Invasion. Biological Invasions, 2006, 8, 501-507.	1.2	32
94	Reproductive phenologies in a diverse temperate ant fauna. Ecological Entomology, 2007, 32, 135-142.	1.1	32
95	Quantitative analysis of the effects of the exotic Argentine ant on seed-dispersal mutualisms. Biology Letters, 2009, 5, 499-502.	1.0	32
96	Metabolic theory and elevational diversity of vertebrate ectotherms. Ecology, 2010, 91, 601-609.	1.5	31
97	The mixed effects of experimental ant removal on seedling distribution, belowground invertebrates, and soil nutrients. Ecosphere, 2011, 2, art63.	1.0	31
98	INSECTS MEDIATE THE EFFECTS OF PROPAGULE SUPPLY AND RESOURCE AVAILABILITY ON A PLANT INVASION. Ecology, 2007, 88, 2383-2391.	1.5	30
99	Effects of co-occurring non-native invasive plant species on old-field succession. Forest Ecology and Management, 2014, 324, 196-204.	1.4	30
100	Multitrophic Effects of Elevated Atmospheric CO₂ on Understory Plant and Arthropod Communities. Environmental Entomology, 2004, 33, 1609-1616.	0.7	29
101	Effects of short-term warming on low and high latitude forest ant communities. Ecosphere, 2011, 2, art62.	1.0	29
102	Differential effects of two dominant plant species on community structure and invasibility in an old-field ecosystem. Journal of Plant Ecology, 2011, 4, 123-131.	1.2	29
103	Using metabolic and thermal ecology to predict temperature dependent ecosystem activity: a test with prairie ants. Ecology, 2018, 99, 2113-2121.	1.5	29
104	Ant-mediated seed dispersal in a warmed world. PeerJ, 2014, 2, e286.	0.9	28
105	The variable effects of soil nitrogen availability and insect herbivory on aboveground and belowground plant biomass in an old-field ecosystem. Oecologia, 2011, 167, 771-780.	0.9	27
106	Geographic differences in effects of experimental warming on ant species diversity and community composition. Ecosphere, 2014, 5, 1-12.	1.0	27
107	Intraspecific variation in traits reduces ability of traitâ€based models to predict community structure. Journal of Vegetation Science, 2017, 28, 1070-1081.	1.1	27
108	Multiâ€scale patterns of forest structure and species composition in relation to climate in northeast China. Ecography, 2012, 35, 1072-1082.	2.1	26

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109	Data sets matter, but so do evolution and ecology. Global Ecology and Biogeography, 2008, 17, 562-565.	2.7	25
110	Within and between population variation in plant traits predicts ecosystem functions associated with a dominant plant species. Ecology and Evolution, 2012, 2, 1151-1161.	0.8	25
111	Bottomâ€up when it is not topâ€down: Predators and plants control biomass of grassland arthropods. Journal of Animal Ecology, 2020, 89, 1286-1294.	1.3	25
112	The interactive effects of climate, life history, and interspecific neighbours on mortality in a population of seed harvester ants. Ecological Entomology, 2004, 29, 632-637.	1.1	24
113	Aphid-tending Ants Affect Secondary Users in Leaf Shelters and Rates of Herbivory on Salix hookeriana in a Coastal Dune Habitat. American Midland Naturalist, 2005, 154, 296-304.	0.2	24
114	Using Historical and Experimental Data to Reveal Warming Effects on Ant Assemblages. PLoS ONE, 2014, 9, e88029.	1.1	24
115	Variation in nutrient use in ant assemblages along an extensive elevational gradient on Mt Kilimanjaro. Journal of Biogeography, 2014, 41, 2245-2255.	1.4	24
116	Aboveâ€•and belowâ€ground effects of plant diversity depend on species origin: an experimental test with multiple invaders. New Phytologist, 2015, 208, 727-735.	3.5	24
117	Canopy and litter ant assemblages share similar climateâ€“species density relationships. Biology Letters, 2010, 6, 769-772.	1.0	23
118	Bottomâ€“up and topâ€“down effects on plant communities: nutrients limit productivity, but insects determine diversity and composition. Oikos, 2016, 125, 566-575.	1.2	22
119	Ecosystem retrogression leads to increased insect abundance and herbivory across an island chronosequence. Functional Ecology, 2008, 22, 816-823.	1.7	21
120	Î² diversity among ant communities on fragmented habitat islands: the roles of species trait, phylogeny and abundance. Ecography, 2021, 44, 1568-1578.	2.1	21
121	Change within and among forest communities: the influence of historic disturbance, environmental gradients, and community attributes. Ecography, 2010, 33, 425-434.	2.1	20
122	Relative Effects of Disturbance on Red Imported Fire Ants and Native Ant Species in a Longleaf Pine Ecosystem. Conservation Biology, 2011, 25, 618-622.	2.4	20
123	Salty, mild, and low plant biomass grasslands increase topâ€heaviness of invertebrate trophic pyramids. Global Ecology and Biogeography, 2020, 29, 1474-1485.	2.7	20
124	Aphid and ladybird beetle abundance depend on the interaction of spatial effects and genotypic diversity. Oecologia, 2012, 168, 167-174.	0.9	19
125	Thermal reactionomes reveal divergent responses to thermal extremes in warm and cool-climate ant species. BMC Genomics, 2016, 17, 171.	1.2	19
126	Variation in the methods leads to variation in the interpretation of biodiversityâ€“ecosystem multifunctionality relationships. Journal of Plant Ecology, 2020, 13, 431-441.	1.2	17

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127	Galling by Rhopalomyia solidaginis alters Solidago altissima architecture and litter nutrient dynamics in an old-field ecosystem. Plant and Soil, 2008, 303, 95-103.	1.8	16
128	Predicting future coexistence in a N orth A merican ant community. Ecology and Evolution, 2014, 4, 1804-1819.	0.8	16
129	Detection probabilities for sessile organisms. Ecosphere, 2016, 7, e01546.	1.0	15
130	Sodium-enriched floral nectar increases pollinator visitation rate and diversity. Biology Letters, 2022, 18, 20220016.	1.0	15
131	Effects of Treefall Gap Disturbances on Ant Assemblages in a Tropical Montane Cloud Forest. Biotropica, 2012, 44, 472-478.	0.8	14
132	The distribution and diversity of insular ants: do exotic species play by different rules?. Global Ecology and Biogeography, 2016, 25, 642-654.	2.7	14
133	A multiscale framework for disentangling the roles of evenness, density, and aggregation on diversity gradients. Ecology, 2021, 102, e03233.	1.5	14
134	Similar biotic factors affect early establishment and abundance of an invasive plant species across spatial scales. Biological Invasions, 2011, 13, 255-267.	1.2	13
135	Proportion of fine roots, but not plant biomass allocation below ground, increases with elevation in arctic tundra. Journal of Vegetation Science, 2018, 29, 226-235.	1.1	13
136	Thirty-six years of legal and illegal wildlife trade entering the USA. Oryx, 2021, 55, 432-441.	0.5	13
137	Geographic Gradients. , 2009, , 38-58.		12
138	Influences on the Structure of Suburban Ant (Hymenoptera: Formicidae) Communities and the Abundance of Tapinoma sessile. Environmental Entomology, 2011, 40, 1397-1404.	0.7	12
139	Fire ants are drivers of biodiversity loss: a reply to <scp>K</scp>ing and <scp>T</scp>schinkel (2013). Ecological Entomology, 2013, 38, 540-542.	1.1	12
140	Abundance of springâ€•and winterâ€active arthropods declines with warming. Ecosphere, 2021, 12, e03473.	1.0	12
141	Spatial turnover of multiple ecosystem functions is more associated with plant than soil microbial Î²â€diversity. Ecosphere, 2021, 12, e03644.	1.0	12
142	On the controls of abundance for soilâ€dwelling organisms on the Tibetan Plateau. Ecosphere, 2017, 8, e01901.	1.0	11
143	Aboveground resilience to species loss but belowground resistance to nitrogen addition in a montane plant community. Journal of Plant Ecology, 2018, 11, 351-363.	1.2	11
144	Monitoring the influx of new species through citizen science: the first introduced ant in Denmark. PeerJ, 2020, 8, e8850.	0.9	11

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145	The influence of aboveground and belowground species composition on spatial turnover in nutrient pools in alpine grasslands. Global Ecology and Biogeography, 2022, 31, 486-500.	2.7	11
146	Actual and Inferred Checklist of the Aphids (Hemiptera: Aphididae) of the Great Smoky Mountains National Park, with Attendant Ant and Host Plant Associations. Proceedings of the Entomological Society of Washington, 2010, 112, 381-403.	0.0	9
147	Transparency and open processes in <i>Journal of Animal Ecology</i>. Journal of Animal Ecology, 2018, 87, 1-3.	1.3	9
148	The Coupled Influence of Thermal Physiology and Biotic Interactions on the Distribution and Density of Ant Species along an Elevational Gradient. Diversity, 2020, 12, 456.	0.7	9
149	Nests of red wood ants (<i>Formica rufa</i>-group) are positively associated with tectonic faults: a double-blind test. PeerJ, 2017, 5, e3903.	0.9	9
150	Ecological strategies of (pl)ants: Towards a worldâ€wide worker economic spectrum for ants. Functional Ecology, 2023, 37, 13-25.	1.7	9
151	The Effects of Proximity and Colony Age on Interspecific Interference Competition between the Desert Ants Pogonomyrmex barbatus and Aphaenogaster cockerelli. American Midland Naturalist, 2002, 148, 376.	0.2	8
152	IMMEDIATE EFFECTS OF FIRE ON THE INVASIVE ARGENTINE ANT, LINEPITHEMA HUMILE. Southwestern Naturalist, 2004, 49, 246-250.	0.1	8
153	The effects of the invasive Argentine ant (<i>Linepithema humile</i>) and the native ant <i>Prenolepis imparis </i>on the structure of insect herbivore communities on willow trees (<i>Salix lasiolepis</i>). Ecological Entomology, 2008, 33, 789-795.	1.1	8
154	Response to Comments on â€œDisentangling the Drivers of Î² Diversity Along Latitudinal and Elevational Gradientsâ€ Science, 2012, 335, 1573-1573.	6.0	8
155	Assessing the effects of sodium on fire ant foraging in the field and colony growth in the laboratory. Ecological Entomology, 2014, 39, 267-271.	1.1	8
156	The effects of insects, nutrients, and plant invasion on community structure and function aboveâ€and belowground. Ecology and Evolution, 2014, 4, 732-742.	0.8	8
157	Local and latitudinal variation in abundance: the mechanisms shaping the distribution of an ecosystem engineer. PeerJ, 2013, 1, e100.	0.9	8
158	Warm and arid regions of the world are hotspots of superorganism complexity. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20211899.	1.2	8
159	Responses of tundra plant community carbon flux to experimental warming, dominant species removal and elevation. Functional Ecology, 2020, 34, 1497-1506.	1.7	7
160	Diverse Elevational Diversity Gradients in Great Smoky Mountains National Park, U.S.A.. , 2009, , 75-87.		7
161	Turnover in butterfly communities and traits along an elevational gradient in the eastern Himalaya, India. Ecosphere, 2022, 13, .	1.0	7
162	Intraspecific variation in response to warming across levels of organization: a test with<i>Solidago altissima</i>. Ecosphere, 2011, 2, art132.	1.0	6

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163	Influence of fire on a rare serpentine plant assemblage: A 5â€year study of <i>Darlingtonia</i> fens. American Journal of Botany, 2011, 98, 801-811.	0.8	6
164	Interactions in a warmer world: effects of experimental warming, conspecific density, and herbivory on seedling dynamics. Ecosphere, 2014, 5, 1-12.	1.0	6
165	Multiyear drought exacerbates longâ€term effects of climate on an invasive ant species. Ecology, 2021, 102, e03476.	1.5	6
166	Long-term trends in the occupancy of ants revealed through use of multi-sourced datasets. Biology Letters, 2021, 17, 20210240.	1.0	6
167	Plant removal across an elevational gradient marginally reduces rates, substantially reduces variation in mineralization. Ecology, 2022, 103, e03546.	1.5	6
168	Population-level traits that affect, and do not affect, invasion success. Molecular Ecology, 2010, 19, 1079-1081.	2.0	5
169	Testing tradeâ€offs and the dominanceâ€“impoverishment rule among ant communities. Journal of Biogeography, 2020, 47, 1899-1909.	1.4	4
170	Climate and multiple dimensions of plant diversity regulate ecosystem carbon exchange along an elevational gradient. Ecosphere, 2021, 12, e03472.	1.0	4
171	Like a rolling stone: the dynamic world of animal ecology publishing. Journal of Animal Ecology, 2017, 86, 1-3.	1.3	3
172	Fungal colonization of plant roots is resistant to nitrogen addition and resilient to dominant species losses. Ecosphere, 2019, 10, e02640.	1.0	3
173	Do Dominant Ants Affect Secondary Productivity, Behavior and Diversity in a Guild of Woodland Ants?. Diversity, 2020, 12, 460.	0.7	3
174	The biogeography of prediction error: why does the introduced range of the fire ant over-predict its native range?. Global Ecology and Biogeography, 2006, .	2.7	3
175	A REACTIONâ€“DIFFUSION EQUATION MODELING THE INVASION OF THE ARGENTINE ANT POPULATION, <i>LINEPITHEMA HUMILE</i>, AT JASPER RIDGE BIOLOGICAL PRESERVE. Natural Resource Modelling, 2008, 21, 330-342.	0.8	2
176	And the winner of the inaugural Sidnie Manton Award isâ€¦. Journal of Animal Ecology, 2018, 87, 527-529.	1.3	2
177	The toughest animals of the Earth versus global warming: Effects of longâ€term experimental warming on tardigrade community structure of a temperate deciduous forest. Ecology and Evolution, 2021, 11, 9856-9863.	0.8	2
178	A new Editor team. Journal of Animal Ecology, 2020, 89, 4-5.	1.3	1
179	Striking a balance between the literature load and walks in the woods. Frontiers in Ecology and the Environment, 2008, 6, 160-161.	1.9	1
180	Draft <i>Aphaenogaster</i> genomes expand our view of ant genome size variation across climate gradients. PeerJ, 2019, 7, e6447.	0.9	1

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181	Island biology and the consequences of interspecific interactions. Journal of Biogeography, 2015, 42, 2255-2256.	1.4	0
182	Goodbye and farewell to print. Journal of Animal Ecology, 2019, 88, 4-7.	1.3	0
183	Journal journeys: Building on our reputation in animal ecology with new ways to publish. Journal of Animal Ecology, 2021, 90, 2724-2725.	1.3	0