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List of Publications by Year
in descending order

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122 papers	20,422 citations	28274 55 h-index	17592 121 g-index
170 all docs	170 docs citations	170 times ranked	18954 citing authors

#	Article	IF	Citations
1	The internal structure of metacommunities. Oikos, 2022, 2022, .	2.7	32
2	Knowledge sharing for shared success in the decade on ecosystem restoration. Ecological Solutions and Evidence, 2022, 3, e12117.	2.0	18
3	Long-term abundance trends of insect taxa are only weakly correlated. Biology Letters, 2022, 18, 20210554.	2.3	15
4	The use of GEDI canopy structure for explaining variation in tree species richness in natural forests. Environmental Research Letters, 2022, 17, 045003.	5.2	17
5	Ecological traits underlying interspecific variation in climate matching of birds. Global Ecology and Biogeography, 2022, 31, 1021-1034.	5.8	4
6	Accounting for temporal change in multiple biodiversity patterns improves the inference of metacommunity processes. Ecology, 2022, 103, e3683.	3.2	17
7	Quantifying effort needed to estimate species diversity from citizen science data. Ecosphere, 2022, 13, .	2.2	7
8	Increasing climatic decoupling of bird abundances and distributions. Nature Ecology and Evolution, 2022, 6, 1299-1306.	7.8	9
9	A multiscale framework for disentangling the roles of evenness, density, and aggregation on diversity gradients. Ecology, 2021, 102, e03233.	3.2	14
10	Effects of siteâ€selection bias on estimates of biodiversity change. Conservation Biology, 2021, 35, 688-698.	4.7	22
11	Mechanistic reconciliation of community and invasion ecology. Ecosphere, 2021, 12, e03359.	2.2	21
12	Responses of plant diversity to precipitation change are strongest at local spatial scales and in drylands. Nature Communications, 2021, 12, 2489.	12.8	43
13	InsectChange: a global database of temporal changes in insect and arachnid assemblages. Ecology, 2021, 102, e03354.	3.2	17
14	Measurement and analysis of interspecific spatial associations as a facet of biodiversity. Ecological Monographs, 2021, 91, e01452.	5.4	22
15	General statistical scaling laws for stability in ecological systems. Ecology Letters, 2021, 24, 1474-1486.	6.4	32
16	Species loss due to nutrient addition increases with spatial scale in global grasslands. Ecology Letters, 2021, 24, 2100-2112.	6.4	13
17	Synthesis reveals that island speciesâ€“area relationships emerge from processes beyond passive sampling. Global Ecology and Biogeography, 2021, 30, 2119-2131.	5.8	15
18	A synthesis of land use impacts on stream biodiversity across metrics and scales. Ecology, 2021, 102, e03498.	3.2	24

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19	Using coverageâ€based rarefaction to infer nonâ€random species distributions. Ecosphere, 2021, 12, e03745.	2.2	13
20	Revisiting global trends in freshwater insect biodiversity: A reply. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1501.	6.5	2
21	Integrating the underlying structure of stochasticity into community ecology. Ecology, 2020, 101, e02922.	3.2	113
22	We need more realistic climate change experiments for understanding ecosystems of the future. Global Change Biology, 2020, 26, 325-327.	9.5	65
23	Understanding plant communities of the future requires filling knowledge gaps. Global Change Biology, 2020, 26, 328-329.	9.5	4
24	Sampling effects drive the speciesâ€"area relationship in lake zooplankton. Oikos, 2020, 129, 124-132.	2.7	17
25	A global database for metacommunity ecology, integrating species, traits, environment and space. Scientific Data, 2020, 7, 6.	5.3	28
26	A processâ€based metacommunity framework linking local and regional scale community ecology. Ecology Letters, 2020, 23, 1314-1329.	6.4	193
27	Ecosystem decay exacerbates biodiversity loss with habitat loss. Nature, 2020, 584, 238-243.	27.8	214
28	A crossâ€scale assessment of productivityâ€"diversity relationships. Global Ecology and Biogeography, 2020, 29, 1940-1955.	5.8	35
29	Biodiversity conservation through the lens of metacommunity ecology. Annals of the New York Academy of Sciences, 2020, 1469, 86-104.	3.8	81
30	Reducing dispersal limitation via seed addition increases species richness but not aboveâ€ground biomass. Ecology Letters, 2020, 23, 1442-1450.	6.4	19
31	Scaleâ€dependent effects of conspecific negative density dependence and immigration on biodiversity maintenance. Oikos, 2020, 129, 1072-1083.	2.7	10
32	Speciesâ€"area relationships in the Andaman and Nicobar Islands emerge because rarer species are disproportionately favored on larger islands. Ecology and Evolution, 2020, 10, 7551-7559.	1.9	9
33	Mediterranean marine protected areas have higher biodiversity via increased evenness, not abundance. Journal of Applied Ecology, 2020, 57, 578-589.	4.0	25
34	Meta-analysis reveals declines in terrestrial but increases in freshwater insect abundances. Science, 2020, 368, 417-420.	12.6	674
35	Response to Comment on â€œMeta-analysis reveals declines in terrestrial but increases in freshwater insect abundancesâ€. Science, 2020, 370, .	12.6	14
36	Frag SAD : A database of diversity and species abundance distributions from habitat fragments. Ecology, 2019, 100, e02861.	3.2	8

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37	Dissecting macroecological and macroevolutionary patterns of forest biodiversity across the Hawaiian archipelago. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16436-16441.	7.1	28
38	The geography of biodiversity change in marine and terrestrial assemblages. Science, 2019, 366, 339-345.	12.6	385
39	Unifying macroecology and macroevolution to answer fundamental questions about biodiversity. Global Ecology and Biogeography, 2019, 28, 1925-1936.	5.8	44
40	A framework for disentangling ecological mechanisms underlying the island speciesâ€“area relationship. Frontiers of Biogeography, 2019, 11, .	1.8	46
41	Species richness change across spatial scales. Oikos, 2019, 128, 1079-1091.	2.7	160
42	Habitat loss over six decades accelerates regional and local biodiversity loss via changing landscape connectance. Ecology Letters, 2019, 22, 1019-1027.	6.4	99
43	The geometry of habitat fragmentation: Effects of species distribution patterns on extinction risk due to habitat conversion. Ecology and Evolution, 2019, 9, 2775-2790.	1.9	37
44	Global patterns and drivers of tree diversity integrated across a continuum of spatial grains. Nature Ecology and Evolution, 2019, 3, 390-399.	7.8	91
45	Spatial scale modulates the inference of metacommunity assembly processes. Ecology, 2019, 100, e02576.	3.2	91
46	Measurement of Biodiversity (MoB): A method to separate the scaleâ€dependent effects of species abundance distribution, density, and aggregation on diversity change. Methods in Ecology and Evolution, 2019, 10, 258-269.	5.2	87
47	mobsim: An <scp>r</scp> package for the simulation and measurement of biodiversity across spatial scales. Methods in Ecology and Evolution, 2018, 9, 1401-1408.	5.2	28
48	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (<scp>CAFE</scp>) approach. Ecology Letters, 2018, 21, 167-180.	6.4	94
49	Lifting the veil: richness measurements fail to detect systematic biodiversity change over three decades. Ecology, 2018, 99, 1316-1326.	3.2	57
50	Biodiversity change is uncoupled from species richness trends: Consequences for conservation and monitoring. Journal of Applied Ecology, 2018, 55, 169-184.	4.0	435
51	Spatial scaling of extinction rates: Theory and data reveal nonlinearity and a major upscaling and downscaling challenge. Global Ecology and Biogeography, 2018, 27, 2-13.	5.8	34
52	Embracing scaleâ€dependence to achieve a deeper understanding of biodiversity and its change across communities. Ecology Letters, 2018, 21, 1737-1751.	6.4	204
53	Macroecology to Unite All Life, Large and Small. Trends in Ecology and Evolution, 2018, 33, 731-744.	8.7	118
54	OpenNahele: the open Hawaiian forest plot database. Biodiversity Data Journal, 2018, 6, e28406.	0.8	9

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55	Habitat size modulates the influence of heterogeneity on species richness patterns in a model zooplankton community. Ecology, 2017, 98, 1651-1659.	3.2	19
56	Community assembly and the functioning of ecosystems: how metacommunity processes alter ecosystems attributes. Ecology, 2017, 98, 909-919.	3.2	164
57	Habitat patch size alters the importance of dispersal for species diversity in an experimental freshwater community. Ecology and Evolution, 2017, 7, 5774-5783.	1.9	16
58	Global reef fish richness gradients emerge from divergent and scale-dependent component changes. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170947.	2.6	14
59	Addition of multiple limiting resources reduces grassland diversity. Nature, 2016, 537, 93-96.	27.8	355
60	Disturbance alters betaâ€diversity but not the relative importance of community assembly mechanisms. Journal of Ecology, 2015, 103, 1291-1299.	4.0	124
61	More individuals drive the species energyâ€“area relationship in an experimental zooplankton community. Oikos, 2015, 124, 1065-1070.	2.7	12
62	â€˜Bigger dataâ€™ on scale-dependent effects of invasive species on biodiversity cannot overcome confounded analyses: a comment on Stohlgren & RejmÃ¡nek (2014). Biology Letters, 2015, 11, 20150103.	2.3	8
63	Landscape context influences the abundance of amphibians and the strength of their food web interactions in small ponds. Oikos, 2015, 124, 629-638.	2.7	6
64	Spatial scale resolves the niche versus neutral theory debate. Journal of Vegetation Science, 2014, 25, 319-322.	2.2	197
65	Scaleâ€dependent effect sizes of ecological drivers on biodiversity: why standardised sampling is not enough. Ecology Letters, 2013, 16, 17-26.	6.4	250
66	Invasive Plants Have Scale-Dependent Effects on Diversity by Altering Species-Area Relationships. Science, 2013, 339, 316-318.	12.6	261
67	Betaâ€diversity in temperate and tropical forests reflects dissimilar mechanisms of community assembly. Ecology Letters, 2013, 16, 151-157.	6.4	370
68	Stochastic and deterministic drivers of spatial and temporal turnover in breeding bird communities. Global Ecology and Biogeography, 2013, 22, 202-212.	5.8	121
69	Dispersal stochasticity mediates species richness in sourceâ€“sink metacommunities. Oikos, 2013, 122, 395-402.	2.7	26
70	How Much Lox Is a Grizzly Bear Worth?. PLoS Biology, 2012, 10, e1001304.	5.6	0
71	Response to Comments on â€œDisentangling the Drivers of Î² Diversity Along Latitudinal and Elevational Gradientsâ€. Science, 2012, 335, 1573-1573.	12.6	8
72	Inferring local ecological processes amid species pool influences. Trends in Ecology and Evolution, 2012, 27, 600-607.	8.7	188

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73	Integrating local breeding pond, landcover, and climate factors in predicting amphibian distributions. Landscape Ecology, 2012, 27, 1183-1196.	4.2	16
74	Predators alter the scaling of diversity in prey metacommunities. Oikos, 2012, 121, 1995-2000.	2.7	30
75	Historical and Contemporary Factors Govern Global Biodiversity Patterns. PLoS Biology, 2012, 10, e1001294.	5.6	5
76	Using null models to disentangle variation in community dissimilarity from variation in Î±-diversity. Ecosphere, 2011, 2, art24.	2.2	698
77	Disentangling the importance of ecological niches from stochastic processes across scales. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2351-2363.	4.0	1,161
78	Navigating the multiple meanings of Î² diversity: a roadmap for the practicing ecologist. Ecology Letters, 2011, 14, 19-28.	6.4	1,899
79	Disentangling the Drivers of Î² Diversity Along Latitudinal and Elevational Gradients. Science, 2011, 333, 1755-1758.	12.6	617
80	Fear of Parasites: Lone Star Ticks Increase Giving-up Densities in White-Tailed Deer. Israel Journal of Ecology and Evolution, 2010, 56, 313-324.	0.6	11
81	Stochastic Community Assembly Causes Higher Biodiversity in More Productive Environments. Science, 2010, 328, 1388-1391.	12.6	814
82	Habitat isolation moderates the strength of topâ€down control in experimental pond food webs. Ecology, 2010, 91, 637-643.	3.2	40
83	Wetland isolation facilitates larval mosquito density through the reduction of predators. Ecological Entomology, 2009, 34, 741-747.	2.2	38
84	Predators temper the relative importance of stochastic processes in the assembly of prey metacommunities. Ecology Letters, 2009, 12, 1210-1218.	6.4	158
85	Beneath the veil: plant growth form influences the strength of species richnessâ€“productivity relationships in forests. Global Ecology and Biogeography, 2009, 18, 416-425.	5.8	49
86	Inter-Annual Associations Between Precipitation and Human Incidence of West Nile Virus in the United States. Vector-Borne and Zoonotic Diseases, 2007, 7, 337-343.	1.5	112
87	Drought mediates the importance of stochastic community assembly. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17430-17434.	7.1	819
88	Aquatic eutrophication promotes pathogenic infection in amphibians. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15781-15786.	7.1	296
89	Interactions Between Mosquito Larvae and Species that Share the Same Trophic Level. Annual Review of Entomology, 2007, 52, 489-507.	11.8	122
90	Predatorâ€Dependent Speciesâ€Area Relationships. American Naturalist, 2007, 170, 636-642.	2.1	37

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91	Increasing isolation reduces predator:prey species richness ratios in aquatic food webs. Oikos, 2007, 116, 1581-1587.	2.7	34
92	Habitat area affects arthropod communities directly and indirectly through top predators. Ecography, 2007, 30, 359-366.	4.5	20
93	Disturbance alters habitat isolation's effect on biodiversity in aquatic microcosms. Oikos, 2006, 114, 360-366.	2.7	31
94	Effects of eutrophication and snails on Eurasian watermilfoil (Myriophyllum spicatum) invasion. Biological Invasions, 2006, 8, 1643-1649.	2.4	34
95	Implications of Food Web Interactions for Restoration of Missouri Ozark Glade Habitats. Restoration Ecology, 2005, 13, 312-317.	2.9	15
96	Towards a really unified theory for metacommunities. Functional Ecology, 2005, 19, 182-186.	3.6	140
97	Parasites in the food web: linking amphibian malformations and aquatic eutrophication. Ecology Letters, 2004, 7, 521-526.	6.4	134
98	Connectivity, scale-dependence, and the productivity-diversity relationship. Ecology Letters, 2004, 7, 676-683.	6.4	131
99	Trade-offs in community ecology: linking spatial scales and species coexistence. Ecology Letters, 2004, 7, 69-80.	6.4	643
100	Alternative stable states and regional community structure. Journal of Theoretical Biology, 2004, 227, 359-368.	1.7	102
101	DISTURBANCE, PREDATOR, AND RESOURCE INTERACTIONS ALTER CONTAINER COMMUNITY COMPOSITION. Ecology, 2004, 85, 2088-2093.	3.2	74
102	Community assembly: when should history matter?. Oecologia, 2003, 136, 489-498.	2.0	857
103	Strong and weak trophic cascades along a productivity gradient. Oikos, 2003, 101, 187-195.	2.7	98
104	Experimental evidence for alternative stable equilibria in a benthic pond food web. Ecology Letters, 2003, 6, 733-741.	6.4	98
105	Drought-induced mosquito outbreaks in wetlands. Ecology Letters, 2003, 6, 1017-1024.	6.4	223
106	COMMUNITY GENETICS: TOWARD A SYNTHESIS. Ecology, 2003, 84, 580-582.	3.2	26
107	The role of habitat connectivity and landscape geometry in experimental zooplankton metacommunities. Oikos, 2002, 96, 433-440.	2.7	118
108	The interaction between predation and competition: a review and synthesis. Ecology Letters, 2002, 5, 302-315.	6.4	596

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109	Biodiversity and ecosystem functioning at local and regional spatial scales. Ecology Letters, 2002, 5, 467-470.	6.4	152
110	Spatial scale dictates the productivityâ€“biodiversity relationship. Nature, 2002, 416, 427-430.	27.8	686
111	THE ROLE OF SIZE-SPECIFIC PREDATION IN THE EVOLUTION AND DIVERSIFICATION OF PREY LIFE HISTORIES. Evolution; International Journal of Organic Evolution, 2002, 56, 877-887.	2.3	78
112	Plant tolerance and resistance in food webs: community-level predictions and evolutionary implications. Evolutionary Ecology, 2000, 14, 289-314.	1.2	51
113	Are there real differences among aquatic and terrestrial food webs?. Trends in Ecology and Evolution, 2000, 15, 408-412.	8.7	162
114	THE EFFECTS OF PRODUCTIVITY, HERBIVORY, AND PLANT SPECIES TURNOVER IN GRASSLAND FOOD WEBS. Ecology, 2000, 81, 2485-2497.	3.2	176
115	The Effects of Productivity, Herbivory, and Plant Species Turnover in Grassland Food Webs. Ecology, 2000, 81, 2485.	3.2	15
116	To Grow or to Reproduce? The Role of Lifeâ€History Plasticity in Food Web Dynamics. American Naturalist, 1999, 154, 571-586.	2.1	87
117	Food Web Effects of Prey Size Refugia: Variable Interactions and Alternative Stable Equilibria. American Naturalist, 1999, 154, 559-570.	2.1	135
118	CENTRAL-PLACE FORAGER EFFECTS ON FOOD WEB DYNAMICS AND SPATIAL PATTERN IN NORTHERN CALIFORNIA MEADOWS. Ecology, 1998, 79, 1236-1245.	3.2	50
119	SPECIES TURNOVER AND THE REGULATION OF TROPHIC STRUCTURE. Annual Review of Ecology, Evolution, and Systematics, 1997, 28, 467-494.	6.7	292
120	Differential Competitive Interactions and the Included Niche: An Experimental Analysis with Grasshoppers. Oikos, 1996, 76, 103.	2.7	33
121	Varying Resource Abundances and Competitive Dynamics. American Naturalist, 1996, 147, 649-654.	2.1	15
122	Abiotic Controls of Trophic Cascades in a Simple Grassland Food Chain. Oikos, 1996, 77, 495.	2.7	103