

Michel Loreau

List of Publications by Year in descending order

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Version: 2024-02-01

237
papers

33,982
citations

8172

76
h-index

4338

173
g-index

246
all docs

246
docs citations

246
times ranked

27490
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity loss and its impact on humanity. <i>Nature</i> , 2012, 486, 59-67.	13.7	4,969
2	Partitioning selection and complementarity in biodiversity experiments. <i>Nature</i> , 2001, 412, 72-76.	13.7	2,493
3	High plant diversity is needed to maintain ecosystem services. <i>Nature</i> , 2011, 477, 199-202.	13.7	1,195
4	Impacts of plant diversity on biomass production increase through time because of species complementarity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18123-18128.	3.3	1,175
5	Biodiversity increases the resistance of ecosystem productivity to climate extremes. <i>Nature</i> , 2015, 526, 574-577.	13.7	1,032
6	Community Patterns in Source-Sink Metacommunities. <i>American Naturalist</i> , 2003, 162, 544-557.	1.0	827
7	The functional role of biodiversity in ecosystems: incorporating trophic complexity. <i>Ecology Letters</i> , 2007, 10, 522-538.	3.0	808
8	Biodiversity as spatial insurance in heterogeneous landscapes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12765-12770.	3.3	805
9	Biodiversity and ecosystem stability: a synthesis of underlying mechanisms. <i>Ecology Letters</i> , 2013, 16, 106-115.	3.0	780
10	Biodiversity and ecosystem functioning: recent theoretical advances. <i>Oikos</i> , 2000, 91, 3-17.	1.2	767
11	Meta-ecosystems: a theoretical framework for a spatial ecosystem ecology. <i>Ecology Letters</i> , 2003, 6, 673-679.	3.0	527
12	Species Synchrony and Its Drivers: Neutral and Nonneutral Community Dynamics in Fluctuating Environments. <i>American Naturalist</i> , 2008, 172, E48-E66.	1.0	488
13	Linking the influence and dependence of people on biodiversity across scales. <i>Nature</i> , 2017, 546, 65-72.	13.7	474
14	Functional Diversity of Plant-Pollinator Interaction Webs Enhances the Persistence of Plant Communities. <i>PLoS Biology</i> , 2005, 4, e1.	2.6	438
15	Are communities saturated? On the relationship between alpha, beta and gamma diversity. <i>Ecology Letters</i> , 2000, 3, 73-76.	3.0	413
16	The Causes and Consequences of Compensatory Dynamics in Ecological Communities. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2009, 40, 393-414.	3.8	388
17	Separating Sampling and Other Effects in Biodiversity Experiments. <i>Oikos</i> , 1998, 82, 600.	1.2	382
18	From selection to complementarity: shifts in the causes of biodiversity-productivity relationships in a long-term biodiversity experiment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 871-876.	1.2	375

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19	Linking biodiversity and ecosystems: towards a unifying ecological theory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 49-60.	1.8	349
20	Does functional redundancy exist?. <i>Oikos</i> , 2004, 104, 606-611.	1.2	340
21	Species Richness and the Temporal Stability of Biomass Production: A New Analysis of Recent Biodiversity Experiments. <i>American Naturalist</i> , 2014, 183, 1-12.	1.0	309
22	From Populations to Ecosystems. , 2010, , .		298
23	Evolutionary emergence of size-structured food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5761-5766.	3.3	297
24	Scalingâ€ biodiversityâ€ecosystem functioning research. <i>Ecology Letters</i> , 2020, 23, 757-776.	3.0	270
25	Functional diversity governs ecosystem response to nutrient enrichment. <i>Nature</i> , 2000, 405, 340-344.	13.7	264
26	Overyielding in grassland communities: testing the sampling effect hypothesis with replicated biodiversity experiments. <i>Ecology Letters</i> , 2002, 5, 502-511.	3.0	258
27	Food-web constraints on biodiversity-ecosystem functioning relationships. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14949-14954.	3.3	253
28	Predicting ecosystem stability from community composition and biodiversity. <i>Ecology Letters</i> , 2013, 16, 617-625.	3.0	251
29	Global Human Footprint on the Linkage between Biodiversity and Ecosystem Functioning in Reef Fishes. <i>PLoS Biology</i> , 2011, 9, e1000606.	2.6	249
30	Global distribution of earthworm diversity. <i>Science</i> , 2019, 366, 480-485.	6.0	248
31	GRAZING OPTIMIZATION AND NUTRIENT CYCLING: WHEN DO HERBIVORES ENHANCE PLANT PRODUCTION?. <i>Ecology</i> , 1998, 79, 2242-2252.	1.5	246
32	REVIEW: Predictive ecology in a changing world. <i>Journal of Applied Ecology</i> , 2015, 52, 1293-1310.	1.9	237
33	Subsidy hypothesis and strength of trophic cascades across ecosystems. <i>Ecology Letters</i> , 2008, 11, 1147-1156.	3.0	235
34	The predator-prey power law: Biomass scaling across terrestrial and aquatic biomes. <i>Science</i> , 2015, 349, aac6284.	6.0	235
35	Estimating local biodiversity change: a critique of papers claiming no net loss of local diversity. <i>Ecology</i> , 2016, 97, 1949-1960.	1.5	224
36	Biodiversity and ecosystem stability across scales in metacommunities. <i>Ecology Letters</i> , 2016, 19, 510-518.	3.0	213

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37	Contributions of a global network of tree diversity experiments to sustainable forest plantations. <i>Ambio</i> , 2016, 45, 29-41.	2.8	203
38	Comparing species interaction networks along environmental gradients. <i>Biological Reviews</i> , 2018, 93, 785-800.	4.7	203
39	Ecosystem stability in space: $\hat{1}$, $\hat{2}$ and $\hat{3}$ variability. <i>Ecology Letters</i> , 2014, 17, 891-901.	3.0	200
40	Plant species richness and community productivity: why the mechanism that promotes coexistence matters. <i>Ecology Letters</i> , 2002, 5, 56-65.	3.0	199
41	Does complementary resource use enhance ecosystem functioning? A model of light competition in plant communities. <i>Ecology Letters</i> , 2007, 10, 54-62.	3.0	189
42	Tropical tree diversity enhances light capture through crown plasticity and spatial and temporal niche differences. <i>Ecology</i> , 2014, 95, 2479-2492.	1.5	178
43	Microbial diversity, producer-decomposer interactions and ecosystem processes: a theoretical model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 303-309.	1.2	170
44	Plant diversity effects on grassland productivity are robust to both nutrient enrichment and drought. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150277.	1.8	169
45	Biodiversity effects and transgressive overyielding. <i>Journal of Plant Ecology</i> , 2008, 1, 95-102.	1.2	160
46	Quantifying effects of biodiversity on ecosystem functioning across times and places. <i>Ecology Letters</i> , 2018, 21, 763-778.	3.0	157
47	Trophic Interactions and the Relationship between Species Diversity and Ecosystem Stability. <i>American Naturalist</i> , 2005, 166, E95-E114.	1.0	154
48	Local facilitation, bistability and transitions in arid ecosystems. <i>Theoretical Population Biology</i> , 2007, 71, 367-379.	0.5	149
49	Metacommunity theory explains the emergence of food web complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19293-19298.	3.3	149
50	Soil fauna: key to new carbon models. <i>Soil</i> , 2016, 2, 565-582.	2.2	149
51	The biodiversity-dependent ecosystem service debt. <i>Ecology Letters</i> , 2015, 18, 119-134.	3.0	146
52	Generic assembly patterns in complex ecological communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2156-2161.	3.3	141
53	Diversity without representation. <i>Nature</i> , 2006, 442, 245-246.	13.7	139
54	Nitrogen enrichment weakens ecosystem stability through decreased species asynchrony and population stability in a temperate grassland. <i>Global Change Biology</i> , 2016, 22, 1445-1455.	4.2	139

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55	Connecting models, data, and concepts to understand fragmentation's ecosystem-wide effects. <i>Ecography</i> , 2017, 40, 1-8.	2.1	137
56	Consumers as Maximizers of Matter and Energy Flow in Ecosystems. <i>American Naturalist</i> , 1995, 145, 22-42.	1.0	136
57	Diversity spurs diversification in ecological communities. <i>Nature Communications</i> , 2017, 8, 15810.	5.8	133
58	Is local biodiversity declining or not? A summary of the debate over analysis of species richness time trends. <i>Biological Conservation</i> , 2018, 219, 175-183.	1.9	127
59	Source and sink dynamics in meta-ecosystems. <i>Ecology</i> , 2010, 91, 2172-2184.	1.5	122
60	The relationship between biodiversity and ecosystem functioning in food webs. <i>Ecological Research</i> , 2006, 21, 17-25.	0.7	121
61	Spatial Flows and the Regulation of Ecosystems. <i>American Naturalist</i> , 2004, 163, 606-615.	1.0	112
62	ECOLOGICAL STOICHIOMETRY, PRIMARY PRODUCER-DECOMPOSER INTERACTIONS, AND ECOSYSTEM PERSISTENCE. <i>Ecology</i> , 2001, 82, 3069-3082.	1.5	110
63	Ecological and evolutionary consequences of niche construction for its agent. <i>Ecology Letters</i> , 2008, 11, 1072-1081.	3.0	110
64	Ecological constraints increase the climatic debt in forests. <i>Nature Communications</i> , 2016, 7, 12643.	5.8	108
65	Multispecies forest plantations outyield monocultures across a broad range of conditions. <i>Science</i> , 2022, 376, 865-868.	6.0	107
66	Biodiversity as insurance: from concept to measurement and application. <i>Biological Reviews</i> , 2021, 96, 2333-2354.	4.7	101
67	Nontrophic Interactions, Biodiversity, and Ecosystem Functioning: An Interaction Web Model. <i>American Naturalist</i> , 2008, 171, 91-106.	1.0	98
68	Niche construction in the light of niche theory. <i>Ecology Letters</i> , 2011, 14, 82-90.	3.0	97
69	Towards an integrative understanding of soil biodiversity. <i>Biological Reviews</i> , 2020, 95, 350-364.	4.7	97
70	Understanding the value of plant diversity for ecosystem functioning through niche theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160536.	1.2	96
71	Linking scaling laws across eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21616-21622.	3.3	95
72	Organizing principles for vegetation dynamics. <i>Nature Plants</i> , 2020, 6, 444-453.	4.7	95

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73	Understanding mutualism when there is adaptation to the partner. <i>Journal of Ecology</i> , 2005, 93, 305-314.	1.9	94
74	Phenotypic Diversity and Stability of Ecosystem Processes. <i>Theoretical Population Biology</i> , 1999, 56, 29-47.	0.5	90
75	Stability and synchrony across ecological hierarchies in heterogeneous metacommunities: linking theory to data. <i>Ecography</i> , 2019, 42, 1200-1211.	2.1	89
76	RECONCILING EMPIRICAL ECOLOGY WITH NEUTRAL COMMUNITY MODELS. <i>Ecology</i> , 2006, 87, 1370-1377.	1.5	87
77	A mathematical synthesis of niche and neutral theories in community ecology. <i>Journal of Theoretical Biology</i> , 2011, 269, 150-165.	0.8	87
78	Cascading extinctions and ecosystem functioning: contrasting effects of diversity depending on food web structure. <i>Oikos</i> , 2007, 116, 163-173.	1.2	85
79	Unifying sources and sinks in ecology and Earth sciences. <i>Biological Reviews</i> , 2013, 88, 365-379.	4.7	85
80	Ecosystem development explained by competition within and between material cycles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 33-38.	1.2	83
81	The strength of the biodiversity–ecosystem function relationship depends on spatial scale. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180038.	1.2	82
82	Immigration and local competition in herbaceous plant communities: a three-year seed-sowing experiment. <i>Oikos</i> , 2004, 104, 77-90.	1.2	79
83	Effects of newly planted hedges on ground-beetle diversity (Coleoptera, Carabidae) in an agricultural landscape. <i>Ecography</i> , 1999, 22, 87-97.	2.1	78
84	Title is missing!. <i>Landscape Ecology</i> , 2001, 16, 17-32.	1.9	77
85	Biodiversity–productivity relationships are key to nature-based climate solutions. <i>Nature Climate Change</i> , 2021, 11, 543-550.	8.1	77
86	Measuring resilience is essential to understand it. <i>Nature Sustainability</i> , 2019, 2, 895-897.	11.5	76
87	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. <i>Ecology Letters</i> , 2019, 22, 563-571.	3.0	75
88	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020, 11, 5375.	5.8	75
89	Relationships among ecological traits of wild bee communities along gradients of habitat amount and fragmentation. <i>Ecography</i> , 2017, 40, 85-97.	2.1	74
90	Climate variability decreases species richness and community stability in a temperate grassland. <i>Oecologia</i> , 2018, 188, 183-192.	0.9	74

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91	Above- and below-ground biodiversity jointly regulate temperate forest multifunctionality along a local-scale environmental gradient. <i>Journal of Ecology</i> , 2020, 108, 2012-2024.	1.9	74
92	Biotic homogenization destabilizes ecosystem functioning by decreasing spatial asynchrony. <i>Ecology</i> , 2021, 102, e03332.	1.5	74
93	Emergence and maintenance of biodiversity in an evolutionary food-web model. <i>Theoretical Ecology</i> , 2011, 4, 467-478.	0.4	73
94	Aboveground carbon storage is driven by functional trait composition and stand structural attributes rather than biodiversity in temperate mixed forests recovering from disturbances. <i>Annals of Forest Science</i> , 2018, 75, 1.	0.8	72
95	Mowing exacerbates the loss of ecosystem stability under nitrogen enrichment in a temperate grassland. <i>Functional Ecology</i> , 2017, 31, 1637-1646.	1.7	71
96	Light partitioning in experimental grass communities. <i>Oikos</i> , 2008, 117, 1351-1361.	1.2	70
97	Dynamics of Reciprocal Pulsed Subsidies in Local and Meta-Ecosystems. <i>Ecosystems</i> , 2012, 15, 48-59.	1.6	69
98	Pyramids and cascades: a synthesis of food chain functioning and stability. <i>Ecology Letters</i> , 2019, 22, 405-419.	3.0	68
99	Plant-herbivore interactions and ecological stoichiometry: when do herbivores determine plant nutrient limitation?. <i>Ecology Letters</i> , 2001, 4, 196-206.	3.0	67
100	Evolution of body size in food webs: does the energetic equivalence rule hold?. <i>Ecology Letters</i> , 2006, 9, 171-178.	3.0	67
101	Intra- and interspecific density-dependent dispersal in an aquatic prey-predator system. <i>Journal of Animal Ecology</i> , 2007, 76, 552-558.	1.3	66
102	Patch Dynamics, Persistence, and Species Coexistence in Metaecosystems. <i>American Naturalist</i> , 2010, 176, 289-302.	1.0	66
103	Multiple abiotic and biotic pathways shape biomass demographic processes in temperate forests. <i>Ecology</i> , 2019, 100, e02650.	1.5	66
104	Material Cycling and the Stability of Ecosystems. <i>American Naturalist</i> , 1994, 143, 508-513.	1.0	62
105	An invariability-area relationship sheds new light on the spatial scaling of ecological stability. <i>Nature Communications</i> , 2017, 8, 15211.	5.8	61
106	Evolution of Local Facilitation in Arid Ecosystems. <i>American Naturalist</i> , 2008, 172, E1-E17.	1.0	60
107	A patch-dynamic framework for food web metacommunities. <i>Theoretical Ecology</i> , 2010, 3, 223-237.	0.4	59
108	Plant-herbivore-decomposer stoichiometric mismatches and nutrient cycling in ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122453.	1.2	59

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109	Global evidence of positive biodiversity effects on spatial ecosystem stability in natural grasslands. <i>Nature Communications</i> , 2019, 10, 3207.	5.8	59
110	Human-nature connectedness as a pathway to sustainability: A global meta-analysis. <i>Conservation Letters</i> , 2022, 15, e12852.	2.8	59
111	Niche and fitness differences relate the maintenance of diversity to ecosystem function: comment. <i>Ecology</i> , 2012, 93, 1482-1487.	1.5	58
112	The inherent multidimensionality of temporal variability: how common and rare species shape stability patterns. <i>Ecology Letters</i> , 2019, 22, 1557-1567.	3.0	57
113	Consistently positive effect of species diversity on ecosystem, but not population, temporal stability. <i>Ecology Letters</i> , 2021, 24, 2256-2266.	3.0	56
114	Relationships between the regional distribution of carabid beetles (Coleoptera, Carabidae) and the abundance of their potential prey. <i>Acta Oecologica</i> , 1997, 18, 465-483.	0.5	55
115	Limitations of entropy maximization in ecology. <i>Oikos</i> , 2008, 117, 1700-1710.	1.2	52
116	General relationships between consumer dispersal, resource dispersal and metacommunity diversity. <i>Ecology Letters</i> , 2014, 17, 175-184.	3.0	52
117	Superorganisms or loose collections of species? A unifying theory of community patterns along environmental gradients. <i>Ecology Letters</i> , 2019, 22, 1243-1252.	3.0	52
118	The mechanics of predator-prey interactions: First principles of physics predict predator-prey size ratios. <i>Functional Ecology</i> , 2019, 33, 323-334.	1.7	52
119	Nutrient enrichment and food chains: can evolution buffer top-down control?. <i>Theoretical Population Biology</i> , 2004, 65, 285-298.	0.5	50
120	Habitat choice meets thermal specialization: Competition with specialists may drive suboptimal habitat preferences in generalists. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11988-11993.	3.3	50
121	Meta-ecosystem dynamics and functioning on finite spatial networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132094.	1.2	49
122	Abiotic and biotic determinants of coarse woody productivity in temperate mixed forests. <i>Science of the Total Environment</i> , 2018, 630, 422-431.	3.9	49
123	Expert perspectives on global biodiversity loss and its drivers and impacts on people. <i>Frontiers in Ecology and the Environment</i> , 2023, 21, 94-103.	1.9	49
124	Multiple metrics of diversity have different effects on temperate forest functioning over succession. <i>Oecologia</i> , 2016, 182, 1175-1185.	0.9	48
125	Do we have to choose between feeding the human population and conserving nature? Modelling the global dependence of people on ecosystem services. <i>Science of the Total Environment</i> , 2018, 634, 1463-1474.	3.9	48
126	Density-dependent dispersal and relative dispersal affect the stability of predator-prey metacommunities. <i>Journal of Theoretical Biology</i> , 2010, 266, 458-469.	0.8	47

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127	Spatial ecological networks: planning for sustainability in the long-term. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 187-197.	3.1	46
128	Biodiversity and Ecosystem Functioning: The Mystery of the Deep Sea. <i>Current Biology</i> , 2008, 18, R126-R128.	1.8	45
129	Biodiversity as spatial insurance: the effects of habitat fragmentation and dispersal on ecosystem functioning. , 2009, , 134-146.		45
130	Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands. <i>Ecology</i> , 2017, 98, 971-981.	1.5	43
131	Consequences of Plant-Herbivore Coevolution on the Dynamics and Functioning of Ecosystems. <i>Journal of Theoretical Biology</i> , 2002, 217, 369-381.	0.8	42
132	Consumer-mediated recycling and cascading trophic interactions. <i>Ecology</i> , 2010, 91, 2162-2171.	1.5	42
133	Biodiversity, productivity, and the spatial insurance hypothesis revisited. <i>Journal of Theoretical Biology</i> , 2015, 380, 426-435.	0.8	41
134	Dispersal and metapopulation stability. <i>PeerJ</i> , 2015, 3, e1295.	0.9	41
135	A food web perspective on large herbivore community limitation. <i>Ecography</i> , 2011, 34, 196-202.	2.1	40
136	Robustness of mutualistic networks under phenological change and habitat destruction. <i>Oikos</i> , 2015, 124, 22-32.	1.2	38
137	The Impact of Spatial and Temporal Dimensions of Disturbances on Ecosystem Stability. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, 224.	1.1	38
138	Trade-offs in the provisioning and stability of ecosystem services in agroecosystems. <i>Ecological Applications</i> , 2019, 29, e01853.	1.8	38
139	How complementarity and selection affect the relationship between ecosystem functioning and stability. <i>Ecology</i> , 2021, 102, e03347.	1.5	38
140	Spatial structure and the survival of an inferior competitor: a theoretical model of neighbourhood competition in plants. <i>Ecological Modelling</i> , 2002, 158, 1-19.	1.2	37
141	Nutrient flows between ecosystems can destabilize simple food chains. <i>Journal of Theoretical Biology</i> , 2010, 266, 162-174.	0.8	37
142	Effects of biodiversity on the functioning of ecosystems: a summary of 164 experimental manipulations of species richness. <i>Ecology</i> , 2009, 90, 854-854.	1.5	36
143	Emergence of nutrient co-limitation through movement in stoichiometric meta-ecosystems. <i>Ecology Letters</i> , 2015, 18, 1163-1173.	3.0	36
144	When microbes and consumers determine the limiting nutrient of autotrophs: a theoretical analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 487-497.	1.2	35

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145	Succession in mixed boreal forest of Russia: Markov models and non-Markov effects. <i>Ecological Modelling</i> , 2001, 142, 25-38.	1.2	34
146	Differential responses of size-based functional groups to bottom-up and top-down perturbations in pelagic food webs: a meta-analysis. <i>Oikos</i> , 2014, 123, 1291-1300.	1.2	34
147	Coexistence of multiple food chains in a heterogeneous environment: Interactions among community structure, ecosystem functioning, and nutrient dynamics. <i>Mathematical Biosciences</i> , 1996, 134, 153-188.	0.9	33
148	Scale dependence of the diversity-stability relationship in a temperate grassland. <i>Journal of Ecology</i> , 2018, 106, 1277-1285.	1.9	33
149	Ecological autocatalysis: a central principle in ecosystem organization?. <i>Ecological Monographs</i> , 2018, 88, 304-319.	2.4	32
150	Nutrient-induced shifts of dominant species reduce ecosystem stability via increases in species synchrony and population variability. <i>Science of the Total Environment</i> , 2019, 692, 441-449.	3.9	32
151	General statistical scaling laws for stability in ecological systems. <i>Ecology Letters</i> , 2021, 24, 1474-1486.	3.0	32
152	Towards a more biologically realistic use of Droop's equations to model growth under multiple nutrient limitation. <i>Oikos</i> , 2010, 119, 897-907.	1.2	31
153	The three regimes of spatial recovery. <i>Ecology</i> , 2019, 100, e02586.	1.5	31
154	Reconciling biodiversity conservation, food production and farmers' demand in agricultural landscapes. <i>Ecological Modelling</i> , 2020, 416, 108889.	1.2	31
155	The relationship between the spatial scaling of biodiversity and ecosystem stability. <i>Global Ecology and Biogeography</i> , 2018, 27, 439-449.	2.7	30
156	Divergent above- and below-ground biodiversity pathways mediate disturbance impacts on temperate forest multifunctionality. <i>Global Change Biology</i> , 2021, 27, 2883-2894.	4.2	30
157	Time scale of resource dynamics and coexistence through time partitioning. <i>Theoretical Population Biology</i> , 1992, 41, 401-412.	0.5	29
158	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. <i>Scientific Data</i> , 2021, 8, 136.	2.4	29
159	Incisor size and community structure in rodents: Two tests of the role of competition. <i>Acta Oecologica</i> , 1999, 20, 93-101.	0.5	28
160	Dynamics of a three-species food chain model with adaptive traits. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2812-2819.	2.5	27
161	Modeling the direct and indirect effects of copper on phytoplankton-zooplankton interactions. <i>Aquatic Toxicology</i> , 2015, 162, 73-81.	1.9	27
162	Annual activity and life cycles of carabid beetles in two forest communities. <i>Ecography</i> , 1985, 8, 228-235.	2.1	25

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163	Beyond shading: Litter production by neighbors contributes to overyielding in tropical trees. <i>Ecology</i> , 2013, 94, 941-952.	1.5	25
164	(A bit) Earlier or later is always better: Phenological shifts in consumerâ€“resource interactions. <i>Theoretical Ecology</i> , 2014, 7, 149-162.	0.4	25
165	An ecological theory of changing human population dynamics. <i>People and Nature</i> , 2019, 1, 31-43.	1.7	25
166	Agricultural land use and the sustainability of social-ecological systems. <i>Ecological Modelling</i> , 2020, 437, 109312.	1.2	25
167	How community adaptation affects biodiversityâ€“ecosystem functioning relationships. <i>Ecology Letters</i> , 2020, 23, 1263-1275.	3.0	25
168	Foraging activity of the carabid beetle <i>Pterostichus melanarius</i> Ill. in field margin habitats. <i>Agriculture, Ecosystems and Environment</i> , 2002, 89, 253-259.	2.5	24
169	Evolution of Dispersal in a Predator-Prey Metacommunity. <i>American Naturalist</i> , 2012, 179, 204-216.	1.0	24
170	Scaling up biodiversityâ€“ecosystem functioning relationships: the role of environmental heterogeneity in space and time. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202779.	1.2	24
171	Temporal stability of aboveground biomass is governed by species asynchrony in temperate forests. <i>Ecological Indicators</i> , 2019, 107, 105661.	2.6	23
172	Disentangling local, metapopulation, and crossâ€“community sources of stabilization and asynchrony in metacommunities. <i>Ecosphere</i> , 2020, 11, e03078.	1.0	23
173	Activity and satiation state in <i>Pterostichus melanarius</i> : an experiment in different agricultural habitats. <i>Ecological Entomology</i> , 2001, 26, 235-244.	1.1	22
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