William F Fagan

List of Publications by Year
in descending order

219	16,506	30551 56	21239 119
papers	citations	h-index	g-index

229	229	229	21471
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding the ecology of host plantâ€“insect herbivore interactions in the fossil record through bipartite networks. Paleobiology, 2022, 48, 239-260.	1.3	15
2	A semiâ€variance approach to visualising phylogenetic autocorrelation. Methods in Ecology and Evolution, 2022, 13, 396-406.	2.2	3
3	A better index for analysis of co-occurrence and similarity. Science Advances, 2022, 8, eabj9204.	4.7	17
4	Exploring noise, degeneracy and determinism in biological networks with the einet package. Methods in Ecology and Evolution, 2022, 13, 799-804.	2.2	4
5	Populationâ€level inference for homeâ€range areas. Methods in Ecology and Evolution, 2022, 13, 1027-1041.	2.2	8
6	Spatial Memory Drives Foraging Strategies of Wolves, but in Highly Individual Ways. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	4
7	The hidden value of trees: Quantifying the ecosystem services of tree lineages and their major threats across the contiguous US. , 2022, 1, e0000010.		14
8	Higher-order effects, continuous species interactions, and trait evolution shape microbial spatial dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
9	Autocorrelationâ€informed home range estimation: A review and practical guide. Methods in Ecology and Evolution, 2022, 13, 534-544.	2.2	39
10	Animal soundscapes reveal key markers of Amazon forest degradation from fire and logging. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2102878119.	3.3	9
11	Implicit versus explicit vector management strategies in models for vector-borne disease epidemiology. Journal of Mathematical Biology, 2022, 84, 48.	0.8	3
12	Memory-driven movement model for periodic migrations. Journal of Theoretical Biology, 2021, 508, 110486.	0.8	7
13	Persistence and Spread of Solutions in a Two-Species Lotka–Volterra Competition-Diffusion Model with a Shifting Habitat. SIAM Journal on Applied Mathematics, 2021, 81, 1600-1622.	0.8	7
14	Resource selection of a nomadic ungulate in a dynamic landscape. PLoS ONE, 2021, 16, e0246809.	1.1	5
15	Deciphering trophic interactions in a mid-Cambrian assemblage. IScience, 2021, 24, 102271.	1.9	5
16	Mapping out a future for ungulate migrations. Science, 2021, 372, 566-569.	6.0	61
17	Estimating encounter location distributions from animal tracking data. Methods in Ecology and Evolution, 2021, 12, 1158-1173.	2.2	21
18	Exploring the functional composition of the human microbiome using a hand-curated microbial trait database. BMC Bioinformatics, 2021, 22, 306.	1.2	8

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19	Inclement weather forces stopovers and prevents migratory progress for obligate soaring migrants. Movement Ecology, 2021, 9, 39.	1.3	10
20	Exploring the Evolution of Perception: An Agent-Based Approach. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	3
21	Learning and Animal Movement. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	28
22	Memories of Migrations Past: Sociality and Cognition in Dynamic, Seasonal Environments. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	2
23	Improved foraging by switching between diffusion and advection: benefits from movement that depends on spatial context. Theoretical Ecology, 2020, 13, 127-136.	0.4	17
24	For everything there is a season: Analysing periodic mortality patterns with the cyclomort<scp>r</scp> package. Methods in Ecology and Evolution, 2020, 11, 129-138.	2.2	5
25	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
26	Spatial variation in branch size promotes metapopulation persistence in dendritic river networks. Freshwater Biology, 2020, 65, 426-434.	1.2	25
27	Are trellis vineyards avoided? Examining how vineyard types affect the distribution of great bustards. Agriculture, Ecosystems and Environment, 2020, 289, 106734.	2.5	6
28	Diurnal timing of nonmigratory movement by birds: the importance of foraging spatial scales. Journal of Avian Biology, 2020, 51, .	0.6	1
29	Does dispersal make the heart grow bolder? Avoidance of anthropogenic habitat elements across wolf life history. Animal Behaviour, 2020, 166, 219-231.	0.8	24
30	Spatial Ecology: Herbivores and Green WavesÂâ€" To Surf or Hang Loose?. Current Biology, 2020, 30, R991-R993.	1.8	1
31	Managing disease outbreaks: The importance of vector mobility and spatially heterogeneous control. PLoS Computational Biology, 2020, 16, e1008136.	1.5	3
32	Effects of body size on estimation of mammalian area requirements. Conservation Biology, 2020, 34, 1017-1028.	2.4	51
33	Predictor species: Improving assessments of rare species occurrence by modeling environmental coâ€responses. Ecology and Evolution, 2020, 10, 3293-3304.	0.8	5
34	Matching expert range maps with species distribution model predictions. Conservation Biology, 2020, 34, 1292-1304.	2.4	22
35	The role of omnivory in mediating metacommunity robustness to habitat destruction. Ecology, 2020, 101, e03026.	1.5	7
36	How range residency and long-range perception change encounter rates. Journal of Theoretical Biology, 2020, 498, 110267.	0.8	37

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37	Transfer of nitrogen by migratory birds in the African-Western Eurasian Flyways. Animal Migration, 2020, 7, 52-57.	1.1	1
38	Managing disease outbreaks: The importance of vector mobility and spatially heterogeneous control. , 2020, 16, e1008136.		0
39	Managing disease outbreaks: The importance of vector mobility and spatially heterogeneous control. , 2020, 16, e1008136.		0
40	Managing disease outbreaks: The importance of vector mobility and spatially heterogeneous control. , 2020, 16, e1008136.		0
41	Managing disease outbreaks: The importance of vector mobility and spatially heterogeneous control. , 2020, 16, e1008136.		0
42	Managing disease outbreaks: The importance of vector mobility and spatially heterogeneous control. , 2020, 16, e1008136.		0
43	Managing disease outbreaks: The importance of vector mobility and spatially heterogeneous control. , 2020, 16, e1008136.		0
44	Deciding when to intrude on a neighbour: quantifying behavioural mechanisms for temporary territory expansion. Theoretical Ecology, 2019, 12, 307-318.	0.4	5
45	Disentangling herbivore impacts in primary succession by refocusing the plant stress and vigor hypotheses on phenology. Ecological Monographs, 2019, 89, e01389.	2.4	16
46	Group size and decision making: experimental evidence for minority games in fish behaviour. Animal Behaviour, 2019, 155, 9-19.	0.8	5
47	Inter-dependent movements of Asiatic Cheetahs Acinonyx jubatus venaticus and a Persian Leopard Panthera pardus saxicolor in a desert environment in Iran (Mammalia: Felidae). Zoology in the Middle East, 2019, 65, 283-292.	0.2	9
48	Detecting interaction networks in the human microbiome with conditional Granger causality. PLoS Computational Biology, 2019, 15, e1007037.	1.5	28
49	Trait-based analysis of the human skin microbiome. Microbiome, 2019, 7, 101.	4.9	25
50	Linking high GC content to the repair of double strand breaks in prokaryotic genomes. PLoS Genetics, 2019, 15, e1008493.	1.5	43
51	Large birds travel farther in homogeneous environments. Global Ecology and Biogeography, 2019, 28, 576-587.	2.7	39
52	Visualization and prediction of CRISPR incidence in microbial trait-space to identify drivers of antiviral immune strategy. ISME Journal, 2019, 13, 2589-2602.	4.4	34
53	Challenges in the conservation of wideâ€ranging nomadic species. Journal of Applied Ecology, 2019, 56, 1916-1926.	1.9	39
54	Migrating whales depend on memory to exploit reliable resources. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5217-5219.	3.3	16

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55	Tactical departures and strategic arrivals: Divergent effects of climate and weather on caribou spring migrations. Ecosphere, 2019, 10, e02971.	1.0	50
56	Tree crown overlap improves predictions of the functional neighbourhood effects on tree survival and growth. Journal of Ecology, 2019, 107, 887-900.	1.9	28
57	Opposing population trajectories in two Bustard species: A long-term study in a protected area in Central Spain. Bird Conservation International, 2019, 29, 308-320.	0.7	9
58	A comprehensive analysis of autocorrelation and bias in home range estimation. Ecological Monographs, 2019, 89, e01344.	2.4	127
59	Movement and activity of reintroduced giant pandas. Ursus, 2019, 29, 163.	0.3	5
60	Linking high GC content to the repair of double strand breaks in prokaryotic genomes. , 2019, 15, e1008493.		0
61	Linking high GC content to the repair of double strand breaks in prokaryotic genomes. , 2019, 15, e1008493.		0
62	Linking high GC content to the repair of double strand breaks in prokaryotic genomes. , 2019, 15, e1008493.		0
63	Linking high GC content to the repair of double strand breaks in prokaryotic genomes. , 2019, 15, e1008493.		0
64	Social transmission of migratory knowledge: quantifying the risk of losing migratory behavior. Theoretical Ecology, 2018, 11, 257-270.	0.4	8
65	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. Science, 2018, 359, 466-469.	6.0	783
66	Immune loss as a driver of coexistence during host-phage coevolution. ISME Journal, 2018, 12, 585-597.	4.4	50
67	How Phenological Variation Affects Species Spreading Speeds. Bulletin of Mathematical Biology, 2018, 80, 1476-1513.	0.9	1
68	Disentangling social interactions and environmental drivers in multi-individual wildlife tracking data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170007.	1.8	35
69	The importance of individual variation in the dynamics of animal collective movements. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170008.	1.8	69
70	Statistical analysis of Asiatic cheetah movement and its spatio-temporal drivers. Journal of Arid Environments, 2018, 151, 141-145.	1.2	4
71	Selective Maintenance of Multiple CRISPR Arrays Across Prokaryotes. CRISPR Journal, 2018, 1, 405-413.	1.4	17
72	Effects of air temperature on habitat selection and activity patterns of two tropical imperfect homeotherms. Animal Behaviour, 2018, 140, 129-140.	0.8	36

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73	Foraging and interâ€individual distances of bearded capuchin monkeys. American Journal of Primatology, 2018, 80, e22900.	0.8	3
74	Dynamic modelling of personal protection control strategies for vector-borne disease limits the role of diversity amplification. Journal of the Royal Society Interface, 2018, 15, 20180166.	1.5	8
75	A discrete-time model for population persistence in habitats with time-varying sizes. Journal of Mathematical Biology, 2017, 75, 649-704.	0.8	10
76	Invasion speeds in microbial systems with toxin production and quorum sensing. Journal of Theoretical Biology, 2017, 420, 290-303.	0.8	3
77	Perceptual Ranges, Information Gathering, and Foraging Success in Dynamic Landscapes. American Naturalist, 2017, 189, 474-489.	1.0	67
78	KÃ¡lmÃ¡n filters for continuous-time movement models. Ecological Informatics, 2017, 40, 8-21.	2.3	21
79	Sampling, sequencing and the SAD. Ecological Complexity, 2017, 32, 168-180.	1.4	4
80	A framework for modelling range shifts and migrations: asking when, whither, whether and will it return. Journal of Animal Ecology, 2017, 86, 943-959.	1.3	53
81	Invasion dynamics of competing species with stage-structure. Journal of Theoretical Biology, 2017, 435, 12-21.	0.8	0
82	Correlated velocity models as a fundamental unit of animal movement: synthesis and applications. Movement Ecology, 2017, 5, 13.	1.3	56
83	A global analysis of traits predicting species sensitivity to habitat fragmentation. Global Ecology and Biogeography, 2017, 26, 115-127.	2.7	152
84	A Stoichioproteomic Analysis of Samples from the Human Microbiome Project. Frontiers in Microbiology, 2017, 8, 1119.	1.5	5
85	Statistical analysis of co-occurrence patterns in microbial presence-absence datasets. PLoS ONE, 2017, 12, e0187132.	1.1	29
86	Estimating where and how animals travel: an optimal framework for path reconstruction from autocorrelated tracking data. Ecology, 2016, 97, 576-582.	1.5	60
87	Epidemiology of La Crosse Virus Emergence, Appalachia Region, United States. Emerging Infectious Diseases, 2016, 22, 1921-1929.	2.0	29
88	Hierarchical analysis of taxonomic variation in intraspecific competition across fish species. Ecology, 2016, 97, 1724-1734.	1.5	17
89	Experience drives innovation of new migration patterns of whooping cranes in response to global change. Nature Communications, 2016, 7, 12793.	5.8	83
90	Persistence and Spreading Speeds of Integro-Difference Equations with an Expanding or Contracting Habitat. Bulletin of Mathematical Biology, 2016, 78, 1337-1379.	0.9	35

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91	In stark contrast to widespread declines along the Scotia Arc, a survey of the South Sandwich Islands finds a robust seabird community. Polar Biology, 2016, 39, 1615-1625.	0.5	26
92	How Resource Phenology Affects Consumer Population Dynamics. American Naturalist, 2016, 187, 151-166.	1.0	39
93	Dynamics of fish dispersal during river-floodplain connectivity and its implications for community assembly. Aquatic Sciences, 2016, 78, 355-365.	0.6	37
94	Commercial Plant Production and Consumption Still Follow the Latitudinal Gradient in Species Diversity despite Economic Globalization. PLoS ONE, 2016, 11, e0163002.	1.1	6
95	How Oviposition Behavior Determines Persistence in Small Patches and Changing Climates. American Naturalist, 2015, 186, 237-251.	1.0	0
96	How far to go? Determinants of migration distance in land mammals. Ecology Letters, 2015, 18, 545-552.	3.0	81
97	What causes female bias in the secondary sex ratios of the dioecious woody shrub Salix sitchensis colonizing a primary successional landscape?. American Journal of Botany, 2015, 102, 1309-1322.	0.8	26
98	Success, failure, and spreading speeds for invasions on spatial gradients. Journal of Mathematical Biology, 2015, 70, 265-287.	0.8	9
99	A niche remedy for the dynamical problems of neutral theory. Theoretical Ecology, 2015, 8, 149-161.	0.4	10
100	How topography induces reproductive asynchrony and alters gypsy moth invasion dynamics. Journal of Animal Ecology, 2015, 84, 188-198.	1.3	22
101	Human Land-Use Practices Lead to Global Long-Term Increases in Photosynthetic Capacity. Remote Sensing, 2014, 6, 5717-5731.	1.8	65
102	Trophic disruption: a metaâ€analysis of how habitat fragmentation affects resource consumption in terrestrial arthropod systems. Ecology Letters, 2014, 17, 1178-1189.	3.0	94
103	Using citizen science to estimate lichen diversity. Biological Conservation, 2014, 171, 1-8.	1.9	22
104	Phenologically explicit models for studying plantâ€“pollinator interactions under climate change. Theoretical Ecology, 2014, 7, 289-297.	0.4	23
105	Genetic differentiation and habitat connectivity across towhee hybrid zones in Mexico. Evolutionary Ecology, 2014, 28, 277-297.	0.5	12
106	Transient windows for connectivity in a changing world. Movement Ecology, 2014, 2, 1.	1.3	155
107	From Fine-Scale Foraging to Home Ranges: A Semivariance Approach to Identifying Movement Modes across Spatiotemporal Scales. American Naturalist, 2014, 183, E154-E167.	1.0	176
108	Survival probabilities of adult Mongolian gazelles. Journal of Wildlife Management, 2014, 78, 35-41.	0.7	15

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109	Persistence and Spread of a Species with a Shifting Habitat Edge. SIAM Journal on Applied Mathematics, 2014, 74, 1397-1417.	0.8	83
110	Nonâ€Markovian maximum likelihood estimation of autocorrelated movement processes. Methods in Ecology and Evolution, 2014, 5, 462-472.	2.2	63
111	How climate extremesâ€"not meansâ€"define a species' geographic range boundary via a demographic tipping point. Ecological Monographs, 2014, 84, 131-149.	2.4	67
112	Conserving the World's Finest Grassland Amidst Ambitious National Development. Conservation Biology, 2014, 28, 1736-1739.	2.4	54
113	The Correlated Random Walk and the Rise of Movement Ecology. Bulletin of the Ecological Society of America, 2014, 95, 204-206.	0.2	23
114	Introducing AMV (Animal Movement Visualizer), a visualization tool for animal movement data from satellite collars and radiotelemetry. Ecological Informatics, 2013, 15, 91-95.	2.3	5
115	Understanding lichen diversity on the Antarctic Peninsula using parataxonomic units as a surrogate for species richness. Ecology, 2013, 94, 2110-2110.	1.5	3
116	How protandry and protogyny affect female mating failure: a spatial population model. Entomologia Experimentalis Et Applicata, 2013, 146, 130-140.	0.7	25
117	Global biogeography of autotroph chemistry: is insolation a driving force?. Oikos, 2013, 122, 1121-1130.	1.2	50
118	Multiâ€scale patterns of moss and lichen richness on the Antarctic Peninsula. Ecography, 2013, 36, 209-219.	2.1	20
119	Spatial memory and animal movement. Ecology Letters, 2013, 16, 1316-1329.	3.0	402
120	Phylogenetic prediction of the maximum per capita rate of population growth. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130523.	1.2	16
121	Social Learning of Migratory Performance. Science, 2013, 341, 999-1002.	6.0	270
122	Overwintering survival of bagworms, Thyridopteryx ephemeraeformis (Lepidoptera: Psychidae): influence of temperature and egg cluster weight. Canadian Entomologist, 2013, 145, 77-81.	0.4	3
123	Infusing quantitative approaches throughout the biological sciences curriculum. International Journal of Mathematical Education in Science and Technology, 2013, 44, 817-833.	0.8	24
124	Genomic variation in cline shape across a hybrid zone. Ecology and Evolution, 2012, 2, 2737-2748.	0.8	14
125	Critical patch sizes for foodâ€web modules. Ecology, 2012, 93, 1779-1786.	1.5	18
126	Interbasin Water Transfer, Riverine Connectivity, and Spatial Controls on Fish Biodiversity. PLoS ONE, 2012, 7, e34170.	1.1	68

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127	How the interplay between individual spatial memory and landscape persistence can generate population distribution patterns. Ecological Complexity, 2012, 12, 1-12.	1.4	31
128	Spatially integrated assessment reveals widespread changes in penguin populations on the Antarctic Peninsula. Ecology, 2012, 93, 1367-1377.	1.5	200
129	Leadership, social learning, and the maintenance (or collapse) of migratory populations. Theoretical Ecology, 2012, 5, 253-264.	0.4	27
130	The biogeography and filtering of woody plant functional diversity in North and South America. Global Ecology and Biogeography, 2012, 21, 798-808.	2.7	235
131	How restructuring river connectivity changes freshwater fish biodiversity and biogeography. Water Resources Research, 2011, 47, .	1.7	40
132	The influence of resource subsidies on cave invertebrates: results from an ecosystem-level manipulation experiment. Ecology, 2011, 92, 765-776.	1.5	65
133	How landscape dynamics link individual- to population-level movement patterns: a multispecies comparison of ungulate relocation data. Global Ecology and Biogeography, 2011, 20, 683-694.	2.7	152
134	Contrasting mechanisms of proteomic nitrogen thrift in Prochlorococcus. Molecular Ecology, 2011, 20, 92-104.	2.0	45
135	Conspecific and heterospecific attraction in assessments of functional connectivity. Biodiversity and Conservation, 2011, 20, 2779-2796.	1.2	27
136	Integrating individual search and navigation behaviors in mechanistic movement models. Theoretical Ecology, 2011, 4, 341-355.	0.4	58
137	A sampling theory for asymmetric communities. Journal of Theoretical Biology, 2011, 273, 1-14.	0.8	15
138	A Stoichiometric Model of Early Plant Primary Succession. American Naturalist, 2011, 177, 233-245.	1.0	26
139	Multivariate Moran Process with Lotka-Volterra Phenomenology. Physical Review Letters, 2011, 107, 228101.	2.9	16
140	Identifying Important Forest Patches for the Long-Term Persistence of the Endangered Golden-Headed Lion Tamarin (Leontopithecus Chrysomelas). Tropical Conservation Science, 2010, 3, 63-77.	0.6	23
141	Population trends and reproductive success at a frequently visited penguin colony on the western Antarctic Peninsula. Polar Biology, 2010, 33, 493-503.	0.5	62
142	Effects of branching spatial structure and life history on the asymptotic growth rate of a population. Theoretical Ecology, 2010, 3, 137-152.	0.4	33
143	Adaptation to a limiting environment: the phosphorus content of terrestrial cave arthropods. Ecological Research, 2010, 25, 565-577.	0.7	21
144	Pitfalls and challenges of estimating population growth rate from empirical data: consequences for allometric scaling relations. Oikos, 2010, 119, 455-464.	1.2	23

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145	Use of multiple dispersal pathways facilitates amphibian persistence in stream networks. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6936-6940.	3.3	149
146	Resource use efficiency and community effects of invasive Hypochaeris radicata (Asteraceae) during primary succession. American Journal of Botany, 2010, 97, 1772-1779.	0.8	43
147	Reproductive Asynchrony in Spatial Population Models: How Mating Behavior Can Modulate Allee Effects Arising from Isolation in Both Space and Time. American Naturalist, 2010, 175, 362-373.	1.0	26
148	Landscape matrix and species traits mediate responses of Neotropical resident birds to forest fragmentation in Jamaica. Ecological Monographs, 2010, 80, 651-669.	2.4	89
149	Broad-Scale Latitudinal Variation in Female Reproductive Success Contributes to the Maintenance of a Geographic Range Boundary in Bagworms (Lepidoptera: Psychidae). PLoS ONE, 2010, 5, e14166.	1.1	16
150	LANDSCAPE MATRIX AND SPECIES TRAITS MEDIATE RESPONSES OF NEOTROPICAL RESIDENT BIRDS TO FOREST FRAGMENTATION IN JAMAICA. Ecological Monographs, 2010, 80, 100318220649095.	2.4	1
151	Survivorship curves and their impact on the estimation of maximum population growth rates. Ecology, 2009, 90, 1116-1124.	1.5	21
152	A mega-herd of more than 200,000 Mongolian gazelles Procapra gutturosa: a consequence of habitat quality. Oryx, 2009, 43, 149.	0.5	40
153	Effects of body size, trophic mode and larval habitat on Diptera stoichiometry: a regional comparison. Oikos, 2009, 118, 615-623.	1.2	32
154	Interspecific Variation in Critical Patch Size and Gapâ€Crossing Ability as Determinants of Geographic Range Size Distributions. American Naturalist, 2009, 173, 363-375.	1.0	18
155	Producer Nutritional Quality Controls Ecosystem Trophic Structure. PLoS ONE, 2009, 4, e4929.	1.1	119
156	Detritivory: stoichiometry of a neglected trophic level. Ecological Research, 2008, 23, 487-491.	0.7	85
157	Search and navigation in dynamic environments â€“ from individual behaviors to population distributions. Oikos, 2008, 117, 654-664.	1.2	315
158	Neutral metacommunity models predict fish diversity patterns in Mississippiâ€“Missouri basin. Nature, 2008, 453, 220-222.	13.7	323
159	Reproductive asynchrony in natural butterfly populations and its consequences for female matelessness. Journal of Animal Ecology, 2008, 77, 746-756.	1.3	56
160	Population and Community Consequences of Spatial Subsidies Derived from Centralâ€Place Foraging. American Naturalist, 2007, 170, 902-915.	1.0	27
161	Living in the branches: population dynamics and ecological processes in dendritic networks. Ecology Letters, 2007, 10, 165-175.	3.0	566
162	How local extinction changes rarity: an example with Sonoran Desert fishes. Ecography, 2006, 29, 845-852.	2.1	4

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163	Phylogenetic and Growth Form Variation in the Scaling of Nitrogen and Phosphorus in the Seed Plants. American Naturalist, 2006, 168, E103-E122.	1.0	383
164	HOW TRANSIENT PATCHES AFFECT POPULATION DYNAMICS: THE CASE OF HYPOXIA AND BLUE CRABS. Ecological Monographs, 2006, 76, 415-438.	2.4	21
165	Signatures of Ecological Resource Availability in the Animal and Plant Proteomes. Molecular Biology and Evolution, 2006, 23, 1946-1951.	3.5	65
166	Average Dispersal Success: Linking Home Range, Dispersal, And Metapopulation Dynamics To Reserve Design. , 2006, 16, 820-828.		38
167	A multiobjective optimization model for dam removal: an example trading off salmon passage with hydropower and water storage in the Willamette basin. Advances in Water Resources, 2005, 28, 845-855.	1.7	103
168	Quantifying Rarity, Losses, and Risks for Native Fishes of the Lower Colorado River Basin: Implications for Conservation Listing. Conservation Biology, 2005, 19, 1872-1882.	2.4	24
169	Quantifying the extinction vortex. Ecology Letters, 2005, 9, 051109031307004.	3.0	229
170	Plant allometry, stoichiometry and the temperature-dependence of primary productivity. Global Ecology and Biogeography, 2005, 14, 585-598.	2.7	259
171	NONRANDOM LARVAL DISPERSAL CAN STEEPEN MARINE CLINES. Evolution; International Journal of Organic Evolution, 2005, 59, 2509-2517.	1.1	37
172	When Can Herbivores Slow or Reverse the Spread of an Invading Plant? A Test Case from Mount St. Helens. American Naturalist, 2005, 166, 669-685.	1.0	93
173	RARITY, FRAGMENTATION, AND THE SCALE DEPENDENCE OF EXTINCTION RISK IN DESERT FISHES. Ecology, 2005, 86, 34-41.	1.5	64
174	Edge-linked dynamics and the scale-dependence of competitive. Mathematical Biosciences and Engineering, 2005, 2, 833-868.	1.0	1
175	Spatially structured herbivory and primary succession at Mount St Helens: field surveys and experimental growth studies suggest a role for nutrients. Ecological Entomology, 2004, 29, 398-409.	1.1	24
176	Lost in Time, Lonely, and Single: Reproductive Asynchrony and the Allee Effect. American Naturalist, 2004, 164, 25-37.	1.0	118
177	Stoichiometry of actual vs. potential predator-prey interactions: insights into nitrogen limitation for arthropod predators. Ecology Letters, 2004, 7, 876-883.	3.0	97
178	Convergence of Differentially Invaded Systems toward Invader-dominance: Time-lagged Invasions as a Predictor in Desert Fish Communities. Biological Invasions, 2004, 6, 233-243.	1.2	15
179	A comparison-shopper's guide to connectivity metrics. Frontiers in Ecology and the Environment, 2004, 2, 529-536.	1.9	522
180	Competition and stoichiometry: coexistence of two predators on one prey. Theoretical Population Biology, 2004, 65, 1-15.	0.5	118

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181	DOES INTRAGUILD PREDATION ENHANCE PREDATOR PERFORMANCE? A STOICHIOMETRIC PERSPECTIVE. Ecology, 2004, 85, 2601-2615.	1.5	72
182	Modeling and analysis of stoichiometric two-patch consumerâ€“resource systems. Mathematical Biosciences, 2004, 189, 153-184.	0.9	19
183	Biodiversity, Habitat Area, Resource Growth Rate and Interference Competition. Bulletin of Mathematical Biology, 2003, 65, 497-518.	0.9	33
184	A Classification of Ecological Boundaries. BioScience, 2003, 53, 723.	2.2	263
185	Integrating Edge Detection and Dynamic Modeling in Quantitative Analyses of Ecological Boundaries. BioScience, 2003, 53, 730.	2.2	135
186	Habitat edges as a potential ecological trap for an insect predator. Ecological Entomology, 2003, 28, 567-572.	1.1	66
187	MIGHT NITROGEN LIMITATION PROMOTE OMNIVORY AMONG CARNIVOROUS ARTHROPODS?. Ecology, 2003, 84, 2522-2531.	1.5	217
188	VARIABILITY AND DYNAMICS OF A DESERT STREAM COMMUNITY. , 2003, 13, 1566-1579.		45
189	Nitrogen in Insects: Implications for Trophic Complexity and Species Diversification. American Naturalist, 2002, 160, 784-802.	1.0	358
190	RECOVERY PLAN REVISIONS: PROGRESS OR DUE PROCESS?. , 2002, 12, 682-689.		17
191	Community effects of praying mantids: a meta-analysis of the influences of species identity and experimental design. Ecological Entomology, 2002, 27, 385-395.	1.1	20
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