

Ulf Dieckmann

List of Publications by Year in descending order

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306
papers

20,169
citations

21215

62
h-index

16186

128
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332
all docs

332
docs citations

332
times ranked

17551
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybridization and speciation. <i>Journal of Evolutionary Biology</i> , 2013, 26, 229-246.	0.8	1,735
2	On the origin of species by sympatric speciation. <i>Nature</i> , 1999, 400, 354-357.	13.7	1,485
3	The dynamical theory of coevolution: a derivation from stochastic ecological processes. <i>Journal of Mathematical Biology</i> , 1996, 34, 579-612.	0.8	934
4	Maturation trends indicative of rapid evolution preceded the collapse of northern cod. <i>Nature</i> , 2004, 428, 932-935.	13.7	703
5	Speciation along environmental gradients. <i>Nature</i> , 2003, 421, 259-264.	13.7	600
6	Ecology: Managing Evolving Fish Stocks. <i>Science</i> , 2007, 318, 1247-1248.	6.0	552
7	Evolutionary Branching and Sympatric Speciation Caused by Different Types of Ecological Interactions. <i>American Naturalist</i> , 2000, 156, S77-S101.	1.0	483
8	The dynamical theory of coevolution: a derivation from stochastic ecological processes. <i>Journal of Mathematical Biology</i> , 1996, 34, 579-612.	0.8	377
9	Complexity and stability of ecological networks: a review of the theory. <i>Population Ecology</i> , 2018, 60, 319-345.	0.7	320
10	Microbial community dynamics alleviate stoichiometric constraints during litter decay. <i>Ecology Letters</i> , 2014, 17, 680-690.	3.0	302
11	POPULATION GROWTH IN SPACE AND TIME: SPATIAL LOGISTIC EQUATIONS. <i>Ecology</i> , 2003, 84, 252-262.	1.5	273
12	The evolutionary ecology of dispersal. <i>Trends in Ecology and Evolution</i> , 1999, 14, 88-90.	4.2	272
13	Evolutionary cycling in predator-prey interactions: population dynamics and the red queen. <i>Journal of Theoretical Biology</i> , 1995, 176, 91-102.	0.8	260
14	Fisheries-Induced Evolution. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2015, 46, 461-480.	3.8	254
15	Generalized Models Reveal Stabilizing Factors in Food Webs. <i>Science</i> , 2009, 325, 747-750.	6.0	249
16	MEASURING PROBABILISTIC REACTION NORMS FOR AGE AND SIZE AT MATURATION. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 669-678.	1.1	240
17	Adaptive changes in harvested populations: plasticity and evolution of age and size at maturation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 415-423.	1.2	240
18	Modeling carbon allocation in trees: a search for principles. <i>Tree Physiology</i> , 2012, 32, 648-666.	1.4	236

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19	Live Where You Thrive: Joint Evolution of Habitat Choice and Local Adaptation Facilitates Specialization and Promotes Diversity. <i>American Naturalist</i> , 2009, 174, E141-E169.	1.0	229
20	The logic of skipped spawning in fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 200-211.	0.7	220
21	Probabilistic maturation reaction norms: their history, strengths, and limitations. <i>Marine Ecology - Progress Series</i> , 2007, 335, 253-269.	0.9	217
22	ORIGINAL ARTICLE: Implications of fisheries-induced evolution for stock rebuilding and recovery. <i>Evolutionary Applications</i> , 2009, 2, 394-414.	1.5	200
23	Assessing changes in age and size at maturation in collapsing populations of Atlantic cod (<i>Gadus</i>) Tj ETQq1 1 0.784314 rgBT/Qverlock 0.7 192	0.7	192
24	Fisheries-induced trends in reaction norms for maturation in North Sea plaice. <i>Marine Ecology - Progress Series</i> , 2003, 257, 247-257.	0.9	189
25	Can adaptive dynamics invade?. <i>Trends in Ecology and Evolution</i> , 1997, 12, 128-131.	4.2	173
26	Diversity and complexity of angler behaviour drive socially optimal input and output regulations in a bioeconomic recreational-fisheries model. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 1507-1531.	0.7	161
27	Evolution Restricts the Coexistence of Specialists and Generalists: The Role of Trade-off Structure. <i>American Naturalist</i> , 2004, 163, 518-531.	1.0	158
28	Sympatric Speciation by Sexual Selection: A Critical Reevaluation. <i>American Naturalist</i> , 2004, 163, 709-725.	1.0	157
29	Eco-genetic modeling of contemporary life-history evolution. <i>Ecological Applications</i> , 2009, 19, 1815-1834.	1.8	148
30	Evolutionary dynamics of predator-prey systems: an ecological perspective. <i>Journal of Mathematical Biology</i> , 1996, 34, 556-578.	0.8	143
31	On moment closures for population dynamics in continuous space. <i>Journal of Theoretical Biology</i> , 2004, 229, 421-432.	0.8	139
32	Trade-off Geometries and Frequency-dependent Selection. <i>American Naturalist</i> , 2004, 164, 765-778.	1.0	138
33	THE ADAPTIVE DYNAMICS OF ALTRUISM IN SPATIALLY HETEROGENEOUS POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1-17.	1.1	132
34	First carrot, then stick: how the adaptive hybridization of incentives promotes cooperation. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20140935.	1.5	131
35	Evolutionary suicide and evolution of dispersal in structured metapopulations. <i>Journal of Mathematical Biology</i> , 2002, 45, 79-105.	0.8	127
36	Sexual Conflict and the Tragedy of the Commons. <i>American Naturalist</i> , 2011, 177, 780-791.	1.0	123

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37	Adaptive Evolution of Social Traits: Origin, Trajectories, and Correlations of Altruism and Mobility. <i>American Naturalist</i> , 2005, 165, 206-224.	1.0	120
38	Evolutionary impact assessment: accounting for evolutionary consequences of fishing in an ecosystem approach to fisheries management. <i>Fish and Fisheries</i> , 2014, 15, 65-96.	2.7	119
39	The take-it-or-leave-it option allows small penalties to overcome social dilemmas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1165-1169.	3.3	117
40	LONG-TERM TREND IN THE MATURATION REACTION NORM OF TWO COD STOCKS. , 2004, 14, 1257-1271.		113
41	Influence of four major plant traits on average height, leaf area cover, net primary productivity, and biomass density in single-species forests: a theoretical investigation. <i>Journal of Ecology</i> , 2011, 99, 148-164.	1.9	109
42	Can fisheries-induced evolution shift reference points for fisheries management?. <i>ICES Journal of Marine Science</i> , 2013, 70, 707-721.	1.2	102
43	On evolution under asymmetric competition. <i>Evolutionary Ecology</i> , 1997, 11, 485-501.	0.5	98
44	The evolution of phenotypic plasticity in spatially structured environments: implications of intraspecific competition, plasticity costs and environmental characteristics. <i>Journal of Evolutionary Biology</i> , 2004, 17, 613-628.	0.8	98
45	Multitrait successional forest dynamics enable diverse competitive coexistence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2719-E2728.	3.3	98
46	The conservation and fishery benefits of protecting large pike (<i>Esox lucius</i> L.) by harvest regulations in recreational fishing. <i>Biological Conservation</i> , 2010, 143, 1444-1459.	1.9	97
47	A Neighborhood View of Interactions among Individual Plants. , 2000, , 11-27.		96
48	The Evolution of Age-Dependent Plasticity. <i>American Naturalist</i> , 2014, 183, 108-125.	1.0	96
49	Organizing principles for vegetation dynamics. <i>Nature Plants</i> , 2020, 6, 444-453.	4.7	95
50	Understanding mutualism when there is adaptation to the partner. <i>Journal of Ecology</i> , 2005, 93, 305-314.	1.9	94
51	Spatio-temporal development of forests - current trends in field methods and models. <i>Oikos</i> , 2004, 107, 3-15.	1.2	93
52	Vulnerability to shocks in the global seafood trade network. <i>Environmental Research Letters</i> , 2016, 11, 035008.	2.2	92
53	Sexual selection enables long-term coexistence despite ecological equivalence. <i>Nature</i> , 2012, 484, 506-509.	13.7	85
54	A Dynamical System for Neighborhoods in Plant Communities. <i>Ecology</i> , 2000, 81, 2137.	1.5	83

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55	Multimodal pattern formation in phenotype distributions of sexual populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 347-357.	1.2	83
56	Evolution of dispersal in metapopulations with local density dependence and demographic stochasticity. <i>Journal of Evolutionary Biology</i> , 2003, 16, 143-153.	0.8	82
57	The impact of fishing-induced mortality on the evolution of alternative life-history tactics in brook charr. <i>Evolutionary Applications</i> , 2008, 1, 409-423.	1.5	82
58	Social dynamics within decomposer communities lead to nitrogen retention and organic matter build-up in soils. <i>Nature Communications</i> , 2015, 6, 8960.	5.8	80
59	Estimating reaction norms for age and size at maturation with reconstructed immature size distributions: a new technique illustrated by application to Northeast Arctic cod. <i>ICES Journal of Marine Science</i> , 2002, 59, 562-575.	1.2	77
60	An Analytically Tractable Model for Competitive Speciation. <i>American Naturalist</i> , 2008, 171, E44-E71.	1.0	74
61	Emergence and maintenance of biodiversity in an evolutionary food-web model. <i>Theoretical Ecology</i> , 2011, 4, 467-478.	0.4	73
62	Assessing evolutionary consequences of size-selective recreational fishing on multiple life-history traits, with an application to northern pike (<i>Esox lucius</i>). <i>Evolutionary Ecology</i> , 2011, 25, 711-735.	0.5	72
63	Eco-evolutionary optimality as a means to improve vegetation and land-surface models. <i>New Phytologist</i> , 2021, 231, 2125-2141.	3.5	71
64	Relaxation Projections and the Method of Moments. , 2000, , 412-455.		68
65	ORIGINAL ARTICLE: Propensity of marine reserves to reduce the evolutionary effects of fishing in a migratory species. <i>Evolutionary Applications</i> , 2009, 2, 371-393.	1.5	68
66	The adaptive dynamics of function-valued traits. <i>Journal of Theoretical Biology</i> , 2006, 241, 370-389.	0.8	67
67	ORIGINAL ARTICLE: Quantifying selection differentials caused by recreational fishing: development of modeling framework and application to reproductive investment in pike (<i>Esox lucius</i>). <i>Evolutionary Applications</i> , 2009, 2, 335-355.	1.5	67
68	Fish life history, angler behaviour and optimal management of recreational fisheries. <i>Fish and Fisheries</i> , 2013, 14, 554-579.	2.7	67
69	Economic repercussions of fisheries-induced evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12259-12264.	3.3	65
70	EVOLUTION OF PHENOTYPIC CLUSTERS THROUGH COMPETITION AND LOCAL ADAPTATION ALONG AN ENVIRONMENTAL GRADIENT. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 807-822.	1.1	64
71	Adaptive Dynamics of Pathogen-Host Interactions. , 2002, , 39-59.		63
72	Demographic and Evolutionary Consequences of Selective Mortality: Predictions from an Eco-Genetic Model for Smallmouth Bass. <i>Transactions of the American Fisheries Society</i> , 2007, 136, 749-765.	0.6	63

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73	Roles of density-dependent growth and life history evolution in accounting for fisheries-induced trait changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 15030-15035.	3.3	63
74	Adaptive Speciation in Northern Freshwater Fishes. , 2004, , 210-228.		62
75	Surprising evolutionary predictions from enhanced ecological realism. <i>Theoretical Population Biology</i> , 2006, 69, 263-281.	0.5	62
76	Ecological Speciation in Flowering Plants. , 2004, , 264-277.		60
77	Three-dimensional maturation reaction norms for North Sea plaice. <i>Marine Ecology - Progress Series</i> , 2007, 334, 213-224.	0.9	60
78	Ecology and adaptation of stunted growth in fish. <i>Evolutionary Ecology</i> , 1999, 13, 433-453.	0.5	59
79	Evolutionary dynamics of predator-prey systems: an ecological perspective. <i>Journal of Mathematical Biology</i> , 1996, 34, 556-578.	0.8	57
80	Non-Manipulative Estimates of Competition Coefficients in a Montane Grassland Community. <i>Journal of Ecology</i> , 1997, 85, 505.	1.9	57
81	Foraging on spatially distributed resources with sub-optimal movement, imperfect information, and travelling costs: departures from the ideal free distribution. <i>Oikos</i> , 2010, 119, 1469-1483.	1.2	57
82	Games on Grids. , 2000, , 135-150.		56
83	Pair Approximations for Different Spatial Geometries. , 2000, , 359-387.		56
84	Unexpected Patterns of Plastic Energy Allocation in Stochastic Environments. <i>American Naturalist</i> , 2009, 173, E108-E120.	1.0	56
85	Standardizing Selection Strengths to Study Selection in the Wild: A Critical Comparison and Suggestions for the Future. <i>BioScience</i> , 2012, 62, 1039-1054.	2.2	56
86	A generalized functional response for predators that switch between multiple prey species. <i>Journal of Theoretical Biology</i> , 2013, 328, 89-98.	0.8	56
87	Maturation of Newfoundland American plaice (<i>Hippoglossoides platessoides</i>): long-term trends in maturation reaction norms despite low fishing mortality?. <i>ICES Journal of Marine Science</i> , 2005, 62, 56-64.	1.2	55
88	Synergistic effects of diffusion and microbial physiology reproduce the Birch effect in a micro-scale model. <i>Soil Biology and Biochemistry</i> , 2016, 93, 28-37.	4.2	55
89	Natural Selection and Ecological Speciation in Sticklebacks. , 2004, , 192-209.		54
90	Adaptive Dynamics with Interaction Structure. <i>American Naturalist</i> , 2013, 181, E139-E163.	1.0	54

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91	Adaptive Dynamics and Evolving Biodiversity. , 2004, , 188-224.		53
92	Symbiosis through exploitation and the merger of lineages in evolution. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1245-1253.	1.2	52
93	Can the Evolution of Plant Defense Lead to Plantâ€Herbivore Mutualism?. American Naturalist, 2001, 158, 109-123.	1.0	52
94	WHAT WE HAVE ALSO LEARNED: ADAPTIVE SPECTIATION IS THEORETICALLY PLAUSIBLE. Evolution; International Journal of Organic Evolution, 2005, 59, 691-695.	1.1	51
95	Oligomorphic dynamics for analyzing the quantitative genetics of adaptive speciation. Journal of Mathematical Biology, 2011, 63, 601-635.	0.8	51
96	On State-Space Reduction in Multi-Strain Pathogen Models, with an Application to Antigenic Drift in Influenza A. PLoS Computational Biology, 2007, 3, e159.	1.5	50
97	The evolution of self-fertilization in density-regulated populations. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1177-1186.	1.2	49
98	A tale of two cycles - distinguishing quasi-cycles and limit cycles in finite predator-prey populations. Oikos, 2007, 116, 53-64.	1.2	48
99	Games of corruption: How to suppress illegal logging. Journal of Theoretical Biology, 2015, 367, 1-13.	0.8	48
100	What we have also learned: adaptive speciation is theoretically plausible. Evolution; International Journal of Organic Evolution, 2005, 59, 691-5; discussion 696-9.	1.1	48
101	Sympatric Speciation in Insects. , 2004, , 229-248.		47
102	EVOLUTION OF SPECIALIZATION AND ECOLOGICAL CHARACTER DISPLACEMENT OF HERBIVORES ALONG A GRADIENT OF PLANT QUALITY. Evolution; International Journal of Organic Evolution, 2005, 59, 507-520.	1.1	47
103	A New Mechanism for Recurrent Adaptive Radiations. American Naturalist, 2007, 170, E96-E111.	1.0	47
104	A multiscale maximum entropy moment closure for locally regulated spaceâ€time point process models of population dynamics. Journal of Mathematical Biology, 2011, 62, 605-653.	0.8	47
105	Fisheriesâ€induced neutral and adaptive evolution in exploited fish populations and consequences for their adaptive potential. Evolutionary Applications, 2015, 8, 47-63.	1.5	47
106	Limiting similarity, species packing, and the shape of competition kernels. Journal of Theoretical Biology, 2013, 339, 3-13.	0.8	46
107	Conservation Implications of Niche Conservatism and Evolution in Heterogeneous Environments. , 2004, , 244-264.		45
108	Function-valued adaptive dynamics and the calculus of variations. Journal of Mathematical Biology, 2006, 52, 1-26.	0.8	43

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109	WHEN TO STORE ENERGY IN A STOCHASTIC ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 1221-1232.	1.1	43
110	Disparate maturation adaptations to size-dependent mortality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2185-2192.	1.2	42
111	Speciation and the evolution of dispersal along environmental gradients. <i>Evolutionary Ecology</i> , 2009, 23, 53-70.	0.5	42
112	Unexpected discontinuities in life-history evolution under size-dependent mortality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 713-721.	1.2	41
113	Resource heterogeneity can facilitate cooperation. <i>Nature Communications</i> , 2013, 4, 2453.	5.8	41
114	Biodiversity, productivity, and the spatial insurance hypothesis revisited. <i>Journal of Theoretical Biology</i> , 2015, 380, 426-435.	0.8	41
115	Moment Approximations of Individual-based Models. , 2000, , 252-270.		40
116	Adaptive dynamics as a mathematical tool for studying the ecology of speciation processes. <i>Journal of Evolutionary Biology</i> , 2005, 18, 1194-1200.	0.8	39
117	Life-history implications of the allometric scaling of growth. <i>Journal of Theoretical Biology</i> , 2014, 359, 199-207.	0.8	38
118	THE LONG-TERM EVOLUTION OF MULTILOCUS TRAITS UNDER FREQUENCY-DEPENDENT DISRUPTIVE SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2226.	1.1	38
119	A DYNAMICAL SYSTEM FOR NEIGHBORHOODS IN PLANT COMMUNITIES. <i>Ecology</i> , 2000, 81, 2137-2148.	1.5	37
120	Coevolutionary Dynamics and the Conservation of Mutualisms. , 2004, , 305-326.		37
121	Coexistence of Replicators in Prebiotic Evolution. , 2000, , 116-134.		36
122	THE LONG-TERM EVOLUTION OF MULTILOCUS TRAITS UNDER FREQUENCY-DEPENDENT DISRUPTIVE SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2226-2238.	1.1	36
123	The Role of Space in Reducing Predator-Prey Cycles. , 2000, , 183-202.		35
124	How trophic interaction strength depends on traits. <i>Theoretical Ecology</i> , 2010, 3, 13-24.	0.4	35
125	Marine reserves and the evolutionary effects of fishing on size at maturation. <i>ICES Journal of Marine Science</i> , 2010, 67, 412-425.	1.2	34
126	Evolution of age and length at maturation of A laskan salmon under size-selective harvest. <i>Evolutionary Applications</i> , 2014, 7, 313-322.	1.5	34

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127	Social evolution leads to persistent corruption. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13276-13281.	3.3	34
128	Joint evolution of predator body size and prey-size preference. Evolutionary Ecology, 2008, 22, 771-799.	0.5	32
129	Runaway selection for cooperation and strict-and-severe punishment. Journal of Theoretical Biology, 2009, 257, 1-8.	0.8	32
130	Shared rewarding overcomes defection traps in generalized volunteer's dilemmas. Journal of Theoretical Biology, 2013, 335, 13-21.	0.8	32
131	Fisheries-induced disruptive selection. Journal of Theoretical Biology, 2015, 365, 204-216.	0.8	32
132	Contact Networks and the Evolution of Virulence. , 2002, , 85-103.		32
133	Ecological, Angler, and Spatial Heterogeneity Drive Social and Ecological Outcomes in an Integrated Landscape Model of Freshwater Recreational Fisheries. Reviews in Fisheries Science and Aquaculture, 2019, 27, 170-197.	5.1	31
134	Competition and predation in simple food webs: intermediately strong trade-offs maximize coexistence. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2591-2598.	1.2	30
135	Three Modes of Adaptive Speciation in Spatially Structured Populations. American Naturalist, 2013, 182, E215-E234.	1.0	30
136	Evolution of Vaccine-resistant Strains of Infectious Agents. , 2002, , 339-346.		30
137	Virulence Management in Humans. , 2002, , 399-412.		30
138	Moment Methods for Ecological Processes in Continuous Space. , 2000, , 388-411.		28
139	Age at maturation predicted from routine scale measurements in Norwegian spring-spawning herring (<i>Clupea harengus</i>) using discriminant and neural network analyses. ICES Journal of Marine Science, 2003, 60, 304-313.	1.2	27
140	Impact of Environmental Covariation in Growth and Mortality on Evolving Maturation Reaction Norms. American Naturalist, 2011, 177, E98-E118.	1.0	27
141	Four types of interference competition and their impacts on the ecology and evolution of size-structured populations and communities. Journal of Theoretical Biology, 2015, 380, 280-290.	0.8	27
142	Lattice Models and Pair Approximation in Ecology. , 2000, , 227-251.		26
143	Spatio-temporal Patterns in Grassland Communities. , 2000, , 48-64.		26
144	Quantitative-Genetic Models and Changing Environments. , 2004, , 171-187.		26

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145	Fixation of New Mutations in Small Populations. , 2004, , 155-170.		26
146	Consequences of fluctuating group size for the evolution of cooperation. Journal of Mathematical Biology, 2011, 63, 263-281.	0.8	26
147	A bio-economic analysis of harvest control rules for the Northeast Arctic cod fishery. Marine Policy, 2013, 39, 172-181.	1.5	26
148	Evolutionary branching under slow directional evolution. Journal of Theoretical Biology, 2014, 360, 290-314.	0.8	26
149	plant: A package for modelling forest trait ecology and evolution. Methods in Ecology and Evolution, 2016, 7, 136-146.	2.2	26
150	Complexity and Stability of Adaptive Ecological Networks: A Survey of the Theory in Community Ecology. , 2018, , 209-248.		26
151	Biogeographical Perspectives on Arms Races. , 2002, , 197-209.		26
152	Evolutionary Branching in Complex Landscapes. American Naturalist, 2013, 182, E127-E141.	1.0	25
153	Evolutionary dynamics of altruism and cheating among social amoebas. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1609-1616.	1.2	24
154	ORIGINAL ARTICLE: Mitigating fisheries-induced evolution in lacustrine brook charr (<i>Salvelinus</i>)	1.5	24
155	Dealing with femtorisks in international relations. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17356-17362.	3.3	24
156	Pair Approximations for Lattice-based Ecological Models. , 2000, , 341-358.		23
157	Food-web structure in low- and high-dimensional trophic niche spaces. Journal of the Royal Society Interface, 2010, 7, 1735-1743.	1.5	23
158	Function-valued adaptive dynamics and optimal control theory. Journal of Mathematical Biology, 2013, 67, 509-533.	0.8	23
159	Self-extinction through optimizing selection. Journal of Theoretical Biology, 2013, 333, 1-9.	0.8	22
160	The Evolutionary Ecology of Metamorphosis. American Naturalist, 2019, 193, E116-E131.	1.0	22
161	THE ADAPTIVE DYNAMICS OF ALTRUISM IN SPATIALLY HETEROGENEOUS POPULATIONS. Evolution; International Journal of Organic Evolution, 2003, 57, 1.	1.1	21
162	Responses to Environmental Change: Adaptation or Extinction. , 2004, , 85-100.		21

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163	Pluralism in evolutionary theory. <i>Journal of Evolutionary Biology</i> , 2005, 18, 1209-1213.	0.8	21
164	Adaptive dynamics and technological change. <i>Technovation</i> , 2008, 28, 335-348.	4.2	21
165	Adaptive Phenotypic Diversification along a Temperature-Depth Gradient. <i>American Naturalist</i> , 2013, 182, 359-373.	1.0	21
166	Empirical Evidence for Rapid Evolution. , 2004, , 101-118.		20
167	The evolution of conditional dispersal and reproductive isolation along environmental gradients. <i>Journal of Theoretical Biology</i> , 2011, 273, 147-155.	0.8	20
168	Parent-preferred dispersal promotes cooperation in structured populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20181949.	1.2	19
169	Enhancing resilience of systems to individual and systemic risk: Steps toward an integrative framework. <i>International Journal of Disaster Risk Reduction</i> , 2020, 51, 101868.	1.8	19
170	Evolution of Exploitation and Defense in Tritrophic Interactions. , 2002, , 297-322.		17
171	Evolution of dispersal distance: Maternal investment leads to bimodal dispersal kernels. <i>Journal of Theoretical Biology</i> , 2015, 365, 270-279.	0.8	17
172	Kin-selection Models as Evolutionary Explanations of Malaria. , 2002, , 165-178.		16
173	MUTANT INVASIONS AND ADAPTIVE DYNAMICS IN VARIABLE ENVIRONMENTS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, no-no.	1.1	16
174	Evolutionary impact assessment of the North Sea plaice fishery. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 1126-1137.	0.7	16
175	Varying selection differential throughout the climatic range of Norway spruce in Central Europe. <i>Evolutionary Applications</i> , 2017, 10, 25-38.	1.5	16
176	WHAT WE HAVE ALSO LEARNED: ADAPTIVE SPECIATION IS THEORETICALLY PLAUSIBLE. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 691.	1.1	15
177	Harvest-induced maturation evolution under different life-history trade-offs and harvesting regimes. <i>Journal of Theoretical Biology</i> , 2011, 279, 102-112.	0.8	15
178	Abrupt community transitions and cyclic evolutionary dynamics in complex food webs. <i>Journal of Theoretical Biology</i> , 2013, 337, 181-189.	0.8	15
179	Integrating Systemic Risk and Risk Analysis Using Copulas. <i>International Journal of Disaster Risk Science</i> , 2018, 9, 561-567.	1.3	15
180	Harvesting forage fish can prevent fishing-induced population collapses of large piscivorous fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15

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181	Mechanisms driving plant functional trait variation in a tropical forest. <i>Ecology and Evolution</i> , 2021, 11, 3856-3870.	0.8	15
182	Genetic Theories of Sympatric Speciation. , 2004, , 36-53.		14
183	Adaptive Dynamics of Speciation: Ecological Underpinnings. , 2004, , 54-75.		14
184	Adaptation of aquatic insects to the current flow in streams. <i>Ecological Modelling</i> , 2015, 309-310, 143-152.	1.2	14
185	Combating climate change with matching-commitment agreements. <i>Scientific Reports</i> , 2020, 10, 10251.	1.6	14
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