

Evolutionary diversification in stickleback affects ecosy

Nature

458, 1167-1170

DOI: [10.1038/nature07974](https://doi.org/10.1038/nature07974)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Speciation affects ecosystems. <i>Nature</i> , 2009, 458, 1122-1123.	27.8	21
2	Weeds of agricultural importance: bridging the gap between evolutionary ecology and crop and weed science. <i>New Phytologist</i> , 2009, 184, 741-743.	7.3	42
5	Fisheries and Cichlid Evolution in the African Great Lakes: Progress and Problems. <i>Freshwater Reviews: A Journal of the Freshwater Biological Association</i> , 2009, 2, 131-151.	1.0	19
6	Relationship between the alpha diversity of communities and the appearance rates of new genera in the evolution of phanerozoic marine biota. <i>Paleontological Journal</i> , 2010, 44, 477-488.	0.5	2
7	Phylogenetic Community Context Influences Pollen Delivery to <i>Allium cernuum</i> . <i>Evolutionary Biology</i> , 2010, 37, 19-28.	1.1	21
8	Ecological opportunity and the origin of adaptive radiations. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1581-1596.	1.7	545
9	Role of epibenthic resource opportunities in the parallel evolution of lake whitefish species pairs (<i>Coregonus</i> sp.). <i>Journal of Evolutionary Biology</i> , 2010, 23, 2602-2613.	1.7	47
11	Is the evolutionary theory still useful?: A review with examples. <i>Revista Chilena De Historia Natural</i> , 2010, 83, 479-495.	1.2	0
12	Local adaptation in Trinidadian guppies alters ecosystem processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3616-3621.	7.1	311
13	Specialization of trophic position and habitat use by sticklebacks in an adaptive radiation. <i>Ecology</i> , 2010, 91, 1025-1034.	3.2	115
14	Adaptive Radiation, Ecological Opportunity, and Evolutionary Determinism. <i>American Naturalist</i> , 2010, 175, 623-639.	2.1	532
15	An Automated Platform for Phytoplankton Ecology and Aquatic Ecosystem Monitoring. <i>Environmental Science & Technology</i> , 2011, 45, 9658-9665.	10.0	83
16	The Newest Synthesis: Understanding the Interplay of Evolutionary and Ecological Dynamics. <i>Science</i> , 2011, 331, 426-429.	12.6	832
17	Eco-Evolutionary Feedbacks Drive Niche Differentiation in the Alewife. <i>Biological Theory</i> , 2011, 6, 211-219.	1.5	21
18	Distinct Lineages of <i>Schistocephalus</i> Parasites in Threespine and Ninespine Stickleback Hosts Revealed by DNA Sequence Analysis. <i>PLoS ONE</i> , 2011, 6, e22505.	2.5	34
19	Contrasting Ecosystem-Effects of Morphologically Similar Copepods. <i>PLoS ONE</i> , 2011, 6, e26700.	2.5	15
20	Toward an integration of evolutionary biology and ecosystem science. <i>Ecology Letters</i> , 2011, 14, 690-701.	6.4	232
21	The impact of rapid evolution on population dynamics in the wild: experimental test of eco-evolutionary dynamics. <i>Ecology Letters</i> , 2011, 14, 1084-1092.	6.4	116

#	ARTICLE	IF	CITATIONS
22	A benthic predatory fish does not cause selection on armour traits in three-spined stickleback <i>Gasterosteus aculeatus</i> (Gasterosteiformes: Gasterosteidae). <i>Biological Journal of the Linnean Society</i> , 2011, 104, 877-885.	1.6	5
23	A temperature-dependent growth model for the three-spined stickleback <i>Gasterosteus aculeatus</i> . <i>Journal of Fish Biology</i> , 2011, 79, 1815-1827.	1.6	36
24	Eco-evolutionary dynamics in Pacific salmon. <i>Heredity</i> , 2011, 106, 438-447.	2.6	110
25	Evolutionary principles and their practical application. <i>Evolutionary Applications</i> , 2011, 4, 159-183.	3.1	230
26	Conciliation biology: the eco-evolutionary management of permanently invaded biotic systems. <i>Evolutionary Applications</i> , 2011, 4, 184-199.	3.1	94
27	Protected and Threatened Components of Fish Biodiversity in the Mediterranean Sea. <i>Current Biology</i> , 2011, 21, 1044-1050.	3.9	125
28	Summary and perspective on evolutionary ecology of fishes. <i>Evolutionary Ecology</i> , 2011, 25, 547-556.	1.2	6
29	Eco-evolutionary dynamics in herbivorous insect communities mediated by induced plant responses. <i>Population Ecology</i> , 2011, 53, 23-34.	1.2	32
30	Genetically based population variation in aphid association with ants and predators. <i>Arthropod-Plant Interactions</i> , 2011, 5, 1-7.	1.1	13
31	Environmental determinants of threespine stickleback species pair evolution and persistence. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1983-1997.	1.4	19
32	Genetic variation, predator-prey interactions and food web structure. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 1425-1437.	4.0	48
33	Community genetics: what have we accomplished and where should we be going?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 1453-1460.	4.0	111
34	Interpopulation variation in a fish predator drives evolutionary divergence in prey in lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2628-2637.	2.6	60
35	Thermal Genetic Adaptation in the Water Flea <i>Daphnia</i> and its Impact: An Evolving Metacommunity Approach. <i>Integrative and Comparative Biology</i> , 2011, 51, 703-718.	2.0	39
36	Species Interactions Alter Evolutionary Responses to a Novel Environment. <i>PLoS Biology</i> , 2012, 10, e1001330.	5.6	336
37	A cascade of evolutionary change alters consumer-resource dynamics and ecosystem function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3184-3192.	2.6	75
38	Consequences of trait evolution in a multispecies system. , 2012, , 278-292.		3
39	Increased competition as a cost of specialization during the evolution of resource polymorphism. <i>Biological Journal of the Linnean Society</i> , 2012, 107, 845-853.	1.6	24

#	ARTICLE	IF	CITATIONS
40	Phylogenetic constraints on ecosystem functioning. <i>Nature Communications</i> , 2012, 3, 1117.	12.8	71
41	Direct and Indirect Ecosystem Effects of Evolutionary Adaptation in the Trinidadian Guppy (<i>Poecilia reticulata</i>). <i>Journal of Ecology</i> , 2012, 100, 1143-1154.	2.1	85
42	The story of O: reply to Moya-Laraña. <i>Trends in Ecology and Evolution</i> , 2012, 27, 140.	8.7	1
43	O matrices and eco-evolutionary dynamics. <i>Trends in Ecology and Evolution</i> , 2012, 27, 139-140.	8.7	9
44	Animal personalities: consequences for ecology and evolution. <i>Trends in Ecology and Evolution</i> , 2012, 27, 452-461.	8.7	948
45	Testing zooplankton secondary production models against <i>Daphnia magna</i> growth. <i>ICES Journal of Marine Science</i> , 2012, 69, 421-428.	2.5	7
46	Eutrophication causes speciation reversal in whitefish adaptive radiations. <i>Nature</i> , 2012, 482, 357-362.	27.8	383
47	Multi-scale phenotype-substrate matching: Evidence from shore crabs (<i>Carcinus maenas</i> L.). <i>Ecological Complexity</i> , 2012, 12, 58-62.	2.9	19
49	From genes to ecosystems. , 2012, , 269-286.		10
50	Warming modifies trophic cascades and eutrophication in experimental freshwater communities. <i>Ecology</i> , 2012, 93, 1421-1430.	3.2	224
51	Shifts in morphology and diet of non-native sticklebacks introduced into Japanese crater lakes. <i>Ecology and Evolution</i> , 2012, 2, 1083-1098.	1.9	16
52	Modelling approach for characterizing thermal stratification and assessing water quality for a large tropical reservoir. <i>Lakes and Reservoirs: Research and Management</i> , 2012, 17, 119-129.	0.9	19
53	A crucial step toward realism: responses to climate change from an evolving metacommunity perspective. <i>Evolutionary Applications</i> , 2012, 5, 154-167.	3.1	106
54	INTRAGUILD PREDATION DRIVES EVOLUTIONARY NICHE SHIFT IN THREESPINE STICKLEBACK. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1819-1832.	2.3	68
55	Sizing up community genetics: it's a matter of scale. <i>Oikos</i> , 2012, 121, 481-488.	2.7	74
56	Effects of re-oligotrophication and climate warming on plankton richness and community stability in a deep mesotrophic lake. <i>Oikos</i> , 2012, 121, 1317-1327.	2.7	72
57	An integrative approach to characterize cryptic species in the <i>Thoracostoma trachygaster</i> Hope, 1967 complex (Nematoda: Leptosomatidae). <i>Zoological Journal of the Linnean Society</i> , 2012, 164, 18-35.	2.3	27
58	Bacterial biofilms in a "genes-to-ecosystems"™ context. <i>Molecular Ecology</i> , 2012, 21, 1545-1547.	3.9	1

#	ARTICLE	IF	CITATIONS
59	Phylogenetic diversity and the functioning of ecosystems. <i>Ecology Letters</i> , 2012, 15, 637-648.	6.4	432
60	A Field Experiment Demonstrating Plant Life-History Evolution and Its Eco-Evolutionary Feedback to Seed Predator Populations. <i>American Naturalist</i> , 2013, 181, S35-S45.	2.1	76
61	Global climate change and the evolutionary ecology of ecosystem functioning. <i>Annals of the New York Academy of Sciences</i> , 2013, 1297, 61-72.	3.8	32
62	The interplay between microevolution and community structure in microbial populations. <i>Current Opinion in Biotechnology</i> , 2013, 24, 821-825.	6.6	20
63	Linking the evolution of habitat choice to ecosystem functioning: direct and indirect effects of pond-reproducing fire salamanders on aquatic-terrestrial subsidies. <i>Oecologia</i> , 2013, 173, 281-291.	2.0	45
64	Assessing triclosan-induced ecological and trans-generational effects in natural phytoplankton communities: a trait-based field method. <i>Ecotoxicology</i> , 2013, 22, 779-794.	2.4	38
65	Population structure determines functional differences among species and ecosystem processes. <i>Nature Communications</i> , 2013, 4, 2318.	12.8	88
66	Evolution of Camouflage Drives Rapid Ecological Change in an Insect Community. <i>Current Biology</i> , 2013, 23, 1835-1843.	3.9	107
67	Eco-Evolutionary Dynamics: Community Consequences of (Mal)Adaptation. <i>Current Biology</i> , 2013, 23, R869-R871.	3.9	4
68	Variability in the functional role of Arctic charr <i>Salvelinus alpinus</i> as it relates to lake ecosystem characteristics. <i>Environmental Biology of Fishes</i> , 2013, 96, 1361-1376.	1.0	9
69	Functional basis of ecological divergence in sympatric stickleback. <i>BMC Evolutionary Biology</i> , 2013, 13, 277.	3.2	63
70	Fish trophic divergence along a lake productivity gradient revealed by historic patterns of invasion and eutrophication. <i>Freshwater Biology</i> , 2013, 58, 2517-2531.	2.4	12
71	Key questions in the genetics and genomics of eco-evolutionary dynamics. <i>Heredity</i> , 2013, 111, 456-466.	2.6	71
72	The Evolution of RuBisCO Stability at the Thermal Limit of Photoautotrophy. <i>Molecular Biology and Evolution</i> , 2013, 30, 752-760.	8.9	13
73	The problem of pattern and scale in ecology: what have we learned in 20 years?. <i>Ecology Letters</i> , 2013, 16, 4-16.	6.4	336
74	The evolutionary time machine: using dormant propagules to forecast how populations can adapt to changing environments. <i>Trends in Ecology and Evolution</i> , 2013, 28, 274-282.	8.7	123
75	Predicting and Detecting Reciprocity between Indirect Ecological Interactions and Evolution. <i>American Naturalist</i> , 2013, 181, S76-S99.	2.1	37
76	Ontogenetic functional diversity: Size structure of a keystone predator drives functioning of a complex ecosystem. <i>Ecology</i> , 2013, 94, 1046-1056.	3.2	103

#	ARTICLE	IF	CITATIONS
77	The emerging synthesis of evolution with ecology in fisheries science. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 1417-1428.	1.4	26
78	A comprehensive test for negative frequency-dependent selection. <i>Population Ecology</i> , 2013, 55, 499-509.	1.2	21
79	Real-time microbial adaptive diversification in soil. <i>Ecology Letters</i> , 2013, 16, 650-655.	6.4	66
80	Evolution mediates the effects of apex predation on aquatic food webs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130859.	2.6	43
81	Intraspecific variation in a predator drives cascading variation in primary producer community composition. <i>Oikos</i> , 2013, 122, 1343-1349.	2.7	21
82	Intraspecific phenotypic variation in a fish predator affects multitrophic lake metacommunity structure. <i>Ecology and Evolution</i> , 2013, 3, 5031-5044.	1.9	26
85	Eco-evolutionary dynamics in freshwater systems. <i>Journal of Limnology</i> , 2014, 73, .	1.1	10
86	Evolution of increased phenotypic diversity enhances population performance by reducing sexual harassment in damselflies. <i>Nature Communications</i> , 2014, 5, 4468.	12.8	83
87	Eco-Evolutionary Dynamics in a Three-Species Food Web with Intraguild Predation. <i>Advances in Ecological Research</i> , 2014, 50, 41-73.	2.7	22
88	Consumer co-evolution as an important component of the eco-evolutionary feedback. <i>Nature Communications</i> , 2014, 5, 5226.	12.8	84
89	Intraspecific phenotypic variation among alewife populations drives parallel phenotypic shifts in bluegill. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140275.	2.6	13
90	Ecology and Evolution of the African Great Lakes and Their Faunas. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2014, 45, 519-545.	8.3	166
91	Indirect genetic effects: an evolutionary mechanism linking feedbacks, genotypic diversity and coadaptation in a climate change context. <i>Functional Ecology</i> , 2014, 28, 87-95.	3.6	38
92	Testing the ecological consequences of evolutionary change using elements. <i>Ecology and Evolution</i> , 2014, 4, 528-538.	1.9	75
93	Testing a "genes-to-ecosystems" approach to understanding aquatic-terrestrial linkages. <i>Molecular Ecology</i> , 2014, 23, 5888-5903.	3.9	28
94	Convergent effects of elevation on functional leaf traits within and among species. <i>Functional Ecology</i> , 2014, 28, 37-45.	3.6	203
95	Resolving the roles of body size and species identity in driving functional diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133203.	2.6	59
96	Spatial eco-evolutionary feedback in plant-pathogen interactions. <i>European Journal of Plant Pathology</i> , 2014, 138, 667-677.	1.7	20

#	ARTICLE	IF	CITATIONS
97	Fish behavioral types and their ecological consequences. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 927-944.	1.4	176
98	DISENTANGLING THE ROLE OF PHENOTYPIC PLASTICITY AND GENETIC DIVERGENCE IN CONTEMPORARY ECOTYPE FORMATION DURING A BIOLOGICAL INVASION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2619-2632.	2.3	54
99	The relative importance of rapid evolution for plant-microbe interactions depends on ecological context. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140028.	2.6	72
100	Under niche construction: an operational bridge between ecology, evolution, and ecosystem science. <i>Ecological Monographs</i> , 2014, 84, 245-263.	5.4	148
101	Eco-evolutionary feedbacks drive species interactions. <i>ISME Journal</i> , 2014, 8, 1041-1054.	9.8	47
102	Phenotypic plasticity influences the eco-evolutionary dynamics of a predator-prey system. <i>Ecology</i> , 2014, 95, 3080-3092.	3.2	39
103	Form of an evolutionary tradeoff affects eco-evolutionary dynamics in a predator-prey system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16035-16040.	7.1	59
104	Ecological speciation and phenotypic plasticity affect ecosystems. <i>Ecology</i> , 2014, 95, 2723-2735.	3.2	31
105	Contrasting evolutionary demography induced by fishing: the role of adaptive phenotypic plasticity. , 2014, 24, 1101-1114.		34
106	Conflict between dynamical and evolutionary stability in simple ecosystems. <i>Theoretical Ecology</i> , 2014, 7, 273-288.	1.0	3
107	Ecological opportunities and intraspecific competition alter trophic niche specialization in an opportunistic stream predator. <i>Journal of Animal Ecology</i> , 2014, 83, 1025-1034.	2.8	54
108	Human-Mediated Loss of Phylogenetic and Functional Diversity in Coral Reef Fishes. <i>Current Biology</i> , 2014, 24, 555-560.	3.9	142
109	Genetics of ecological divergence during speciation. <i>Nature</i> , 2014, 511, 307-311.	27.8	264
110	Why rapid, adaptive evolution matters for community dynamics. <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	2.2	59
111	Animal personality and the ecological impacts of freshwater non-native species. <i>Environmental Epigenetics</i> , 2014, 60, 417-427.	1.8	49
112	High intraspecific variability in the functional niche of a predator is associated with ontogenetic shift and individual specialization. <i>Ecology and Evolution</i> , 2014, 4, 4649-4657.	1.9	64
113	Bottom-up and top-down interactions across ecosystems in an era of global change. , 2015, , 365-406.		1
114	Eco-evolutionary dynamics in plants: interactive processes at overlapping time-scales and their implications. <i>Journal of Ecology</i> , 2015, 103, 789-797.	4.0	25

#	ARTICLE	IF	CITATIONS
115	Cryptic ecoâ€evolutionary dynamics. <i>Annals of the New York Academy of Sciences</i> , 2015, 1360, 120-144.	3.8	62
116	Feeding evolution of a herbivore influences an arthropod community through plants: implications for plantâ€mediated ecoâ€evolutionary feedback loop. <i>Journal of Ecology</i> , 2015, 103, 829-839.	4.0	20
117	Rapid local adaptation mediates zooplankton community assembly in experimental mesocosms. <i>Ecology Letters</i> , 2015, 18, 992-1000.	6.4	81
118	Ecological Effects of Intraspecific Consumer Biodiversity for Aquatic Communities and Ecosystems. , 2015, , 37-51.		10
119	Fish Out of Water: Evolutionary and Ecological Issues in the Conservation of Fishes in Water-Altered Environments: Introduction to the Symposium: Eco-Evolutionary Change and the Conundrum of Darwinian Debt. <i>Copeia</i> , 2015, 103, 125-131.	1.3	2
120	Sex ratio variation shapes the ecological effects of a globally introduced freshwater fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151970.	2.6	82
121	Covarying variances: more morphologically variable populations also exhibit more diet variation. <i>Oecologia</i> , 2015, 178, 89-101.	2.0	45
122	Assessing the effects of <scp>guppy</scp> life history evolution on nutrient recycling: from experiments to the field. <i>Freshwater Biology</i> , 2015, 60, 590-601.	2.4	34
123	Timescales alter the inferred strength and temporal consistency of intraspecific diet specialization. <i>Oecologia</i> , 2015, 178, 61-74.	2.0	38
124	Intraspecific phenotypic differences in fish affect ecosystem processes as much as bottomâ€up factors. <i>Oikos</i> , 2015, 124, 1181-1191.	2.7	38
125	Adaptive genetic variation mediates bottom-up and top-down control in an aquatic ecosystem. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151234.	2.6	37
126	Predator cannibalism can intensify negative impacts on heterospecific prey. <i>Ecology</i> , 2015, 96, 1887-1898.	3.2	20
127	Sexual selection's impacts on ecological specialization: an experimental test. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150217.	2.6	2
128	Rapid plant evolution in the presence of an introduced species alters community composition. <i>Oecologia</i> , 2015, 179, 563-572.	2.0	17
129	Emergence of a novel prey life history promotes contemporary sympatric diversification in a top predator. <i>Nature Communications</i> , 2015, 6, 8115.	12.8	22
130	Stickleback increase in the Baltic Sea â€ A thorny issue for coastal predatory fish. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 163, 134-142.	2.1	78
131	The importance of plant genotype and contemporary evolution for terrestrial ecosystem processes. <i>Ecology</i> , 2015, 96, 2632-2642.	3.2	19
132	Development of a Bioenergetics Model for the Threespine Stickleback. <i>Transactions of the American Fisheries Society</i> , 2015, 144, 1311-1321.	1.4	15

#	ARTICLE	IF	CITATIONS
133	Growth kinetic models for microalgae cultivation: A review. <i>Algal Research</i> , 2015, 12, 497-512.	4.6	236
134	Mechanisms of Rapid Adaptation to Environmental Stressors in Phytoplankton. , 2016, 6, .		1
135	Piscivore addition causes a trophic cascade within and across ecosystem boundaries. <i>Oikos</i> , 2016, 125, 1782-1789.	2.7	15
136	Eco-evolutionary partitioning metrics: assessing the importance of ecological and evolutionary contributions to population and community change. <i>Ecology Letters</i> , 2016, 19, 839-853.	6.4	61
137	Evolution, plasticity and evolving plasticity of phenology in the tree species <i>Alnus glutinosa</i> . <i>Journal of Evolutionary Biology</i> , 2016, 29, 253-264.	1.7	23
138	A community genetics perspective: opportunities for the coming decade. <i>New Phytologist</i> , 2016, 210, 65-70.	7.3	65
139	Investment in boney defensive traits alters organismal stoichiometry and excretion in fish. <i>Oecologia</i> , 2016, 181, 1209-1220.	2.0	39
140	Observational evidence that maladaptive gene flow reduces patch occupancy in a wild insect metapopulation. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2879-2888.	2.3	18
141	Global Salmonidae introductions reveal stronger ecological effects of changing intraspecific compared to interspecific diversity. <i>Ecology Letters</i> , 2016, 19, 1363-1371.	6.4	41
142	Comparative phylogeography of oceanic archipelagos: Hotspots for inferences of evolutionary process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7986-7993.	7.1	124
143	Population divergence in fish elemental phenotypes associated with trophic phenotypes and lake trophic state. <i>Oecologia</i> , 2016, 182, 765-778.	2.0	6
144	Lessons from the fish: a multi-species analysis reveals common processes underlying similar species-genetic diversity correlations. <i>Freshwater Biology</i> , 2016, 61, 1830-1845.	2.4	41
145	Effects of Introduced Brook Stickleback (<i>Culaea inconstans</i>) on Benthic Macroinvertebrate Communities in the Nearshore Area of Lentic Systems in Turnbull National Wildlife Refuge, Washington. <i>Northwest Science</i> , 2016, 90, 278.	0.2	4
146	Time-variant species pools shape competitive dynamics and biodiversity-ecosystem function relationships. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161437.	2.6	7
147	Local adaptation of a bacterium is as important as its presence in structuring a natural microbial community. <i>Nature Communications</i> , 2016, 7, 12453.	12.8	79
148	Ecological Speciation and Its Consequences. , 2016, , 487-493.		3
149	Individual personality differences in <i>Port Jackson</i> sharks <i>Heterodontus portusjacksoni</i> . <i>Journal of Fish Biology</i> , 2016, 89, 1142-1157.	1.6	34
150	Ecological Impacts of Reverse Speciation in Threespine Stickleback. <i>Current Biology</i> , 2016, 26, 490-495.	3.9	61

#	ARTICLE	IF	CITATIONS
151	Experimental Evidence of an Eco-evolutionary Feedback during Adaptive Divergence. <i>Current Biology</i> , 2016, 26, 483-489.	3.9	75
152	Eco-evolutionary Biology: Feeding and Feedback Loops. <i>Current Biology</i> , 2016, 26, R161-R164.	3.9	3
153	Genetic specificity of a plant–insect food web: Implications for linking genetic variation to network complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2128-2133.	7.1	63
154	Key Questions on the Role of Phenotypic Plasticity in Eco-Evolutionary Dynamics. <i>Journal of Heredity</i> , 2016, 107, 25-41.	2.4	253
155	Predator-induced plasticity does not alter the pathway from evolution to ecology among locally adapted populations of <i>Daphnia</i> . <i>Evolutionary Ecology</i> , 2017, 31, 477-487.	1.2	0
156	Weaving animal temperament into food webs: implications for biodiversity. <i>Oikos</i> , 2017, 126, 917-930.	2.7	20
157	Does eutrophication-driven evolution change aquatic ecosystems?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160041.	4.0	89
158	Bony traits and genetics drive intraspecific variation in vertebrate elemental composition. <i>Functional Ecology</i> , 2017, 31, 2128-2137.	3.6	18
159	Stoichiometric traits of stickleback: Effects of genetic background, rearing environment, and ontogeny. <i>Ecology and Evolution</i> , 2017, 7, 2617-2625.	1.9	20
161	Resource composition mediates the effects of intraspecific variability in nutrient recycling on ecosystem processes. <i>Oikos</i> , 2017, 126, 1439-1450.	2.7	20
162	The effect of top predator presence and phenotype on aquatic microbial communities. <i>Ecology and Evolution</i> , 2017, 7, 1572-1582.	1.9	9
163	Climate change alters the reproductive phenology and investment of a lacustrine fish, the three-spine stickleback. <i>Global Change Biology</i> , 2017, 23, 2308-2320.	9.5	39
164	Measuring niche overlap between co-occurring <i>Plectropomus</i> spp. using acoustic telemetry and stable isotopes. <i>Marine and Freshwater Research</i> , 2017, 68, 1468.	1.3	26
165	Rapid evolution of hosts begets species diversity at the cost of intraspecific diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11193-11198.	7.1	26
166	Explaining ecosystem multifunction with evolutionary models. <i>Ecology</i> , 2017, 98, 3175-3187.	3.2	14
167	A Multigenerational Field Experiment on Eco-evolutionary Dynamics of the Influential Lizard <i>Anolis sagrei</i> : A Mid-term Report. <i>Copeia</i> , 2017, 105, 543-549.	1.3	18
168	Stoichiometric distribution models: ecological stoichiometry at the landscape extent. <i>Ecology Letters</i> , 2017, 20, 1495-1506.	6.4	49
169	Ecological speciation in a generalist consumer expands the trophic niche of a dominant predator. <i>Scientific Reports</i> , 2017, 7, 8765.	3.3	21

#	ARTICLE	IF	CITATIONS
170	Intraspecific adaptive radiation: Competition, ecological opportunity, and phenotypic diversification within species. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2496-2509.	2.3	24
171	Transgenerational selection driven by divergent ecological impacts of hybridizing lineages. <i>Nature Ecology and Evolution</i> , 2017, 1, 1757-1765.	7.8	18
172	Local Adaptation in Trinidadian Guppies Alters Stream Ecosystem Structure at Landscape Scales despite High Environmental Variability. <i>Copeia</i> , 2017, 105, 504-513.	1.3	20
173	Warming Strengthens the Ecological Role of Intraspecific Variation in a Predator. <i>Copeia</i> , 2017, 105, 523-532.	1.3	28
174	Eco-Evolutionary Dynamics in Cold Blood. <i>Copeia</i> , 2017, 105, 441-450.	1.3	5
175	Nonrandom dispersal mediates invader impacts on the invertebrate community. <i>Journal of Animal Ecology</i> , 2017, 86, 1298-1307.	2.8	27
176	Cultural Eutrophication Mediates Context-Dependent Eco-Evolutionary Feedbacks of a Fish Invader. <i>Copeia</i> , 2017, 105, 483-493.	1.3	12
177	Unraveling the relative contribution of inter- and intrapopulation functional variability in wild populations of a tadpole species. <i>Ecology and Evolution</i> , 2017, 7, 4726-4734.	1.9	16
178	Population variation in the trophic niche of the Trinidadian guppy from different predation regimes. <i>Scientific Reports</i> , 2017, 7, 5770.	3.3	20
179	Linking the development and functioning of a carnivorous pitcher plant's microbial digestive community. <i>ISME Journal</i> , 2017, 11, 2439-2451.	9.8	24
180	Local adaptation of fish consumers alters primary production through changes in algal community composition and diversity. <i>Oikos</i> , 2017, 126, 594-603.	2.7	11
182	Predator and prey functional traits: understanding the adaptive machinery driving predator-prey interactions. <i>F1000Research</i> , 2017, 6, 1767.	1.6	85
183	Past selection impacts the strength of an aquatic trophic cascade. <i>Functional Ecology</i> , 2018, 32, 1554-1562.	3.6	19
184	Habitat disruption and the identification and management of functional trait changes. <i>Fish and Fisheries</i> , 2018, 19, 716-728.	5.3	18
185	Species Responses to Climate Change: Integrating Individual-Based Ecology Into Community and Ecosystem Studies. , 2018, , 139-147.		5
186	Evolutionary history of <i>Daphnia</i> drives divergence in grazing selectivity and alters temporal community dynamics of producers. <i>Ecology and Evolution</i> , 2018, 8, 859-865.	1.9	2
187	Balanced genetic diversity improves population fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172045.	2.6	21
188	Evolution as an ecosystem process: insights from genomics. <i>Genome</i> , 2018, 61, 298-309.	2.0	11

#	ARTICLE	IF	CITATIONS
189	Evolution in a Community Context: Trait Responses to Multiple Species Interactions. <i>American Naturalist</i> , 2018, 191, 368-380.	2.1	81
190	Effects of intrapopulation phenotypic traits of invasive crayfish on leaf litter processing. <i>Hydrobiologia</i> , 2018, 819, 67-75.	2.0	5
191	Spatial genetic structure and body size divergence in endangered <i>Gymnogobius isaza</i> in ancient Lake Biwa. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 756-764.	0.7	1
192	Upward Adaptive Radiation Cascades: Predator Diversification Induced by Prey Diversification. <i>Trends in Ecology and Evolution</i> , 2018, 33, 59-70.	8.7	48
193	Sex that moves mountains: The influence of spawning fish on river profiles over geologic timescales. <i>Geomorphology</i> , 2018, 305, 163-172.	2.6	16
194	The ecological importance of intraspecific variation. <i>Nature Ecology and Evolution</i> , 2018, 2, 57-64.	7.8	570
195	What genomic data can reveal about eco-evolutionary dynamics. <i>Nature Ecology and Evolution</i> , 2018, 2, 9-15.	7.8	68
196	A bioenergetics model of the entire life cycle of the three-spined stickleback, <i>Gasterosteus aculeatus</i> . <i>Ecology of Freshwater Fish</i> , 2018, 27, 116-127.	1.4	9
197	OBSOLETE: Species Responses to Climate Change: Integrating Individual-Based Ecology Into Community and Ecosystem Studies. , 2018, , .		1
198	Sexual dimorphism in a top predator (<i>Notophthalmus viridescens</i>) drives aquatic prey community assembly. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181717.	2.6	11
199	Ecosystem Effects of Morphological and Life History Traits in Two Divergent Zooplankton Populations. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	5
200	Genetic, plastic and environmental contributions to the impact of a range-expanding predator on aquatic ecosystems. <i>Journal of Animal Ecology</i> , 2018, 88, 35-46.	2.8	5
201	Top-down control by an aquatic invertebrate predator increases with temperature but does not depend on individual behavioral type. <i>Ecology and Evolution</i> , 2018, 8, 8256-8265.	1.9	6
202	Predator macroevolution drives trophic cascades and ecosystem functioning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, .	2.6	11
203	Transgenerational plasticity and selection shape the adaptive potential of sticklebacks to salinity change. <i>Evolutionary Applications</i> , 2018, 11, 1873-1885.	3.1	30
204	Co-evolution as Tool for Diversifying Flavor and Aroma Profiles of Wines. <i>Frontiers in Microbiology</i> , 2018, 9, 910.	3.5	14
205	A multitrophic perspective on biodiversity ecosystem functioning research. <i>Advances in Ecological Research</i> , 2019, 61, 1-54.	2.7	95
206	History sets the stage: Macroevolutionary influence on biotic interactions. <i>Journal of Ecology</i> , 2019, 107, 1550-1556.	4.0	0

#	ARTICLE	IF	CITATIONS
207	Stoichiometric Traits Vary Widely Within Species: A Meta-Analysis of Common Garden Experiments. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	17
208	The Population Genomics of Parallel Adaptation: Lessons from Threespine Stickleback. <i>Population Genomics</i> , 2019, , 249-276.	0.5	7
209	Limiting Similarity? The Ecological Dynamics of Natural Selection among Resources and Consumers Caused by Both Apparent and Resource Competition. <i>American Naturalist</i> , 2019, 193, E92-E115.	2.1	19
210	Rapid Divergence of Predator Functional Traits Affects Prey Composition in Aquatic Communities. <i>American Naturalist</i> , 2019, 193, 331-345.	2.1	21
211	A way forward with eco evo devo: an extended theory of resource polymorphism with postglacial fishes as model systems. <i>Biological Reviews</i> , 2019, 94, 1786-1808.	10.4	88
212	Expression of Concern: Trait variation across biological scales shapes community structure and ecosystem function. <i>Ecology</i> , 2019, 100, e02769.	3.2	20
213	Consumer adaptation mediates top-down regulation across a productivity gradient. <i>Oecologia</i> , 2019, 190, 195-205.	2.0	7
214	Phenotypic and community consequences of captive propagation in mosquitofish. <i>Journal of Applied Ecology</i> , 2019, 56, 1538-1548.	4.0	9
215	Scale-dependent patterns of intraspecific trait variations in two globally invasive species. <i>Oecologia</i> , 2019, 189, 1083-1094.	2.0	16
216	Phylogenetic, functional, and taxonomic richness have both positive and negative effects on ecosystem multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8419-8424.	7.1	199
217	Ionome and elemental transport kinetics shaped by parallel evolution in threespine stickleback. <i>Ecology Letters</i> , 2019, 22, 645-653.	6.4	18
218	Recent evolutionary history predicts population but not ecosystem-level patterns. <i>Ecology and Evolution</i> , 2019, 9, 14442-14452.	1.9	2
219	Parallel changes in gut microbiome composition and function during colonization, local adaptation and ecological speciation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191911.	2.6	41
220	Changes in mixing depth reduce phytoplankton biomass in an Arctic lake: Results from a whole-lake experiment. <i>Arctic, Antarctic, and Alpine Research</i> , 2019, 51, 533-548.	1.1	10
221	Generic physiologically-based toxicokinetic modelling for fish: Integration of environmental factors and species variability. <i>Science of the Total Environment</i> , 2019, 651, 516-531.	8.0	60
222	Analysing eco-evolutionary dynamics—The challenging complexity of the real world. <i>Functional Ecology</i> , 2019, 33, 43-59.	3.6	80
223	A critique for eco-evolutionary dynamics. <i>Functional Ecology</i> , 2019, 33, 84-94.	3.6	62
224	Feedbacks link ecosystem ecology and evolution across spatial and temporal scales: Empirical evidence and future directions. <i>Functional Ecology</i> , 2019, 33, 31-42.	3.6	26

#	ARTICLE	IF	CITATIONS
225	The community and ecosystem consequences of intraspecific diversity: a meta-analysis. <i>Biological Reviews</i> , 2019, 94, 648-661.	10.4	187
226	Predator-induced changes in dissolved organic carbon dynamics. <i>Oikos</i> , 2019, 128, 430-440.	2.7	13
227	Resource diversity promotes among-individual diet variation, but not genomic diversity, in lake stickleback. <i>Ecology Letters</i> , 2020, 23, 495-505.	6.4	49
228	Unraveling the Gordian Knot: Eight testable hypotheses on the effects of nutrient enrichment on tidal wetland sustainability. <i>Science of the Total Environment</i> , 2020, 743, 140420.	8.0	14
229	Phenotypic responses of invasive species to removals affect ecosystem functioning and restoration. <i>Global Change Biology</i> , 2020, 26, 5693-5704.	9.5	7
230	The island syndrome hypothesis is only partially validated in two rodent species in an inland island system. <i>Oikos</i> , 2020, 129, 1739-1751.	2.7	8
231	Exploring context dependency in eco-evolutionary patterns with the stick insect <i>Timema cristinae</i> . <i>Ecology and Evolution</i> , 2020, 10, 8197-8209.	1.9	1
232	Large-scale molecular barcoding of prey DNA reveals predictors of intrapopulation feeding diversity in a marine predator. <i>Ecology and Evolution</i> , 2020, 10, 9867-9885.	1.9	10
233	Ecosystem consequences of multi-trait response to environmental changes in Japanese medaka, <i>Oryzias latipes</i> . , 2020, 8, coaa011.		4
234	Intraspecific diversity at two trophic levels influences plant-herbivore interactions. <i>Ecosphere</i> , 2020, 11, e03121.	2.2	2
235	A river runs through it: The causes, consequences, and management of intraspecific diversity in river networks. <i>Evolutionary Applications</i> , 2020, 13, 1195-1213.	3.1	39
236	Climate shapes population variation in dogwhelk predation on foundational mussels. <i>Oecologia</i> , 2020, 192, 553-564.	2.0	10
237	Complex Ecological Phenotypes on Phylogenetic Trees: A Markov Process Model for Comparative Analysis of Multivariate Count Data. <i>Systematic Biology</i> , 2020, 69, 1200-1211.	5.6	15
238	Linking intraspecific variability in trophic and functional niches along an environmental gradient. <i>Freshwater Biology</i> , 2020, 65, 1401-1411.	2.4	12
239	Socio-eco-evolutionary dynamics in cities. <i>Evolutionary Applications</i> , 2021, 14, 248-267.	3.1	86
240	Ecological Character Displacement Destabilizes Food Webs. <i>American Naturalist</i> , 2021, 197, 18-28.	2.1	1
241	The importance of genomic variation for biodiversity, ecosystems and people. <i>Nature Reviews Genetics</i> , 2021, 22, 89-105.	16.3	83
243	Ontogenetic diversity buffers communities against consequences of species loss. <i>Journal of Animal Ecology</i> , 2021, 90, 1492-1504.	2.8	4

#	ARTICLE	IF	CITATIONS
244	Intraspecific diversity loss in a predator species alters prey community structure and ecosystem functions. <i>PLoS Biology</i> , 2021, 19, e3001145.	5.6	15
245	Eco-evolutionary consequences of habitat warming and fragmentation in communities. <i>Biological Reviews</i> , 2021, 96, 1933-1950.	10.4	16
246	Density-dependent behavioural interactions influence coexistence between a native and a non-native mesopredator. <i>Biological Invasions</i> , 2021, 23, 3427.	2.4	4
247	Habitat segregation of plate phenotypes in a rapidly expanding population of three-spined stickleback. <i>Ecosphere</i> , 2021, 12, e03561.	2.2	7
248	Patterns and determinants of phenotypic variability within two invasive crayfish species. <i>Freshwater Biology</i> , 2021, 66, 1782-1798.	2.4	6
249	Adaptive foraging in the Anthropocene: can individual diet specialization compensate for biotic homogenization?. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 510-518.	4.0	11
250	Predator biomass and vegetation influence the coastal distribution of threespine stickleback morphotypes. <i>Ecology and Evolution</i> , 2021, 11, 12485-12496.	1.9	3
251	Growth-enhanced salmon modify stream ecosystem functioning. <i>Journal of Fish Biology</i> , 2021, 99, 1978-1989.	1.6	2
252	Prey adaptation along a competition-defense tradeoff cryptically shifts trophic cascades from density- to trait-mediated. <i>Oecologia</i> , 2020, 192, 767-778.	2.0	12
253	The functional syndrome: linking individual trait variability to ecosystem functioning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171893.	2.6	44
257	Does Intraspecific Size Variation in a Predator Affect Its Diet Diversity and Top-Down Control of Prey?. <i>PLoS ONE</i> , 2011, 6, e20782.	2.5	38
258	Evidence of Adaptive Evolutionary Divergence during Biological Invasion. <i>PLoS ONE</i> , 2012, 7, e49377.	2.5	33
259	Ecological and Evolutionary Effects of Stickleback on Community Structure. <i>PLoS ONE</i> , 2013, 8, e59644.	2.5	37
260	Variation in Body Shape across Species and Populations in a Radiation of Diaptomid Copepods. <i>PLoS ONE</i> , 2013, 8, e68272.	2.5	9
261	How Fishes Can Help Us Answer Important Questions about the Ecological Consequences of Evolution. <i>Copeia</i> , 2017, 105, 558-568.	1.3	11
262	Trophic niche and spatio-temporal changes in the feeding ecology of two sympatric species of coral trout (<i>Plectropomus leopardus</i> and <i>P. laevis</i>). <i>Marine Ecology - Progress Series</i> , 2017, 563, 197-210.	1.9	14
263	Eco-evolutionary dynamics: intertwining ecological and evolutionary processes in contemporary time. <i>F1000 Biology Reports</i> , 2010, 2, .	4.0	36
264	Predator group composition indirectly influences food web dynamics through predator growth rates. <i>American Naturalist</i> , 2022, 199, 330-344.	2.1	3

#	ARTICLE	IF	CITATIONS
265	Ecological ramifications of adaptation to size-selective mortality. Royal Society Open Science, 2021, 8, 210842.	2.4	6
266	Predator Diversity Changes the World: From Gene to Ecosystem. SpringerBriefs in Biology, 2014, , 21-49.	0.5	0
268	The Legacy of Ecosystem Effects Caused by Adaptive Radiation. Copeia, 2017, 105, 550-557.	1.3	5
272	Drivers and Cascading Ecological Consequences of <i>Gambusia affinis</i> Trait Variation. American Naturalist, 2022, 199, E91-E110.	2.1	7
273	Eutrophication-driven eco-evolutionary dynamics indicated by differences in stoichiometric traits among populations of <i>Daphnia pulicaria</i> . Freshwater Biology, 2022, 67, 353-364.	2.4	3
274	Stickleback mass occurrence driven by spatially uneven parasite pressure? Insights into infection dynamics, host mortality, and epizootic variability. Parasitology Research, 2022, 121, 1607-1619.	1.6	3
275	A test of frequency-dependent selection in the evolution of a generalist phenotype. Ecology and Evolution, 2022, 12, e8831.	1.9	1
280	The Adaptive Zone: From Evolutionary Biology to Ecology and Biogeography. Review and a Case Study with Examples for Fisheries Science. Reviews in Fisheries Science and Aquaculture, 2022, 30, 520-541.	9.1	2
281	Captive-bred ancestry affects spatial patterns of genetic diversity and differentiation in brown trout (<i>Salmo trutta</i>) populations. Aquatic Conservation: Marine and Freshwater Ecosystems, 2022, 32, 1529-1543.	2.0	4
282	How does genetic architecture affect eco-evolutionary dynamics? A theoretical perspective. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	12
283	Uncovering how behavioral variation underlying mutualist partner quality is partitioned within a species complex of keystone seed-dispersing ants. Insectes Sociaux, 0, , .	1.2	2
284	Individual variability in foraging success of a marine predator informs predator management. Scientific Reports, 2022, 12, .	3.3	3
285	Disentangling direct from indirect effects of habitat disturbance on multiple components of biodiversity. Journal of Animal Ecology, 2022, 91, 2220-2234.	2.8	5
286	A matter of size: Does habitat use depend on body size in Amazonian small-stream shrimp species?. Inland Waters, 2023, 13, 121-130.	2.2	0
287	Physiological diversity and its importance for fish conservation and management in the Anthropocene. Fish Physiology, 2022, , .	0.8	5
288	The role of vital dietary biomolecules in eco-evo-devo dynamics. Trends in Ecology and Evolution, 2023, 38, 72-84.	8.7	12
289	Resident-Disperser Differences and Genetic Variability Affect Communities in Microcosms. American Naturalist, 2023, 201, 363-375.	2.1	1
290	Species divergence under competition and shared predation. Ecology Letters, 2023, 26, 111-123.	6.4	2

#	ARTICLE	IF	CITATIONS
291	The significance of partial migration for food web and ecosystem dynamics. <i>Ecology Letters</i> , 2023, 26, 3-22.	6.4	8
292	Rapid evolution of diet choice in an introduced population of Trinidadian guppies. <i>Biology Letters</i> , 2023, 19, .	2.3	2
293	Climate and intraspecific variation in a consumer species drive ecosystem multifunctionality. <i>Oikos</i> , 0, ,.	2.7	0
295	Experimentally simulating the evolution-to-ecology connection: Divergent predator morphologies alter natural food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.1	1
296	Intraspecific variation in a predator changes intertidal community through effects on a foundation species. <i>Ecology and Evolution</i> , 2023, 13, .	1.9	0
297	Pesticide exposure enhances dominance patterns in a zooplankton community. <i>Ecological Applications</i> , 2023, 33, .	3.8	2
298	Environmentally independent selection for hybrids between divergent freshwater stickleback lineages in semi-natural ponds. <i>Journal of Evolutionary Biology</i> , 2023, 36, 1166-1184.	1.7	0
299	Genes, Morphology, Performance, and Fitness: Quantifying Organismal Performance to Understand Adaptive Evolution. <i>Integrative and Comparative Biology</i> , 2023, 63, 843-859.	2.0	3
300	A stabilizing eco-evolutionary feedback loop in the wild. <i>Current Biology</i> , 2023, 33, 3272-3278.e3.	3.9	2
302	<scp>SEED</scp>: A framework for integrating ecological stoichiometry and eco&evolutionary dynamics. <i>Ecology Letters</i> , 2023, 26, .	6.4	1
303	The effect of interspecific and intraspecific diversity on microplastic ingestion in two co-occurring mussel species in South Africa. <i>Marine Pollution Bulletin</i> , 2023, 196, 115649.	5.0	0
304	Eco-evolutionary feedbacks in the human gut microbiome. <i>Nature Communications</i> , 2023, 14, .	12.8	3
305	Non&genetic phenotypic variability affects populations and communities in protist microcosms. <i>Journal of Animal Ecology</i> , 2024, 93, 221-230.	2.8	1
306	Horizontal gene transfer is predicted to overcome the diversity limit of competing microbial species. <i>Nature Communications</i> , 2024, 15, .	12.8	0
307	The role of fish predators and their foraging traits in shaping zooplankton community structure. <i>Ecology Letters</i> , 2024, 27, .	6.4	0
308	Interindividual variation among <i>Culex pipiens</i> larvae in terms of thermal response. <i>Medical and Veterinary Entomology</i> , 2024, 38, 205-215.	1.5	0
309	Disentangling genetic, plastic and social learning drivers of sex-specific foraging behaviour in Trinidadian guppies (<i>Poecilia reticulata</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2024, 291, .	2.6	0