David N Reznick

List of Publications by Citations

207 papers	18,922 citations	67 h-index	135 g-index
219 ext. papers	21,098 ext. citations	7 avg, IF	6.93 L-index

#	Paper	IF	Citations
207	Adaptive versus non-adaptive phenotypic plasticity and the potential for contemporary adaptation in new environments. *Functional Ecology*, **2007**, 21, 394-407	5.6	1834
206	Costs of Reproduction: An Evaluation of the Empirical Evidence. *Oikos*, **1985**, 44, 257	4	901
205	Experimentally induced life-history evolution in a natural population. *Nature*, **1990**, 346, 357-359	50.4	871
204	Evaluation of the Rate of Evolution in Natural Populations of Guppies (Poecilia reticulata). *Science*, **1997**, 275, 1934-7	33.3	710
203	THE IMPACT OF PREDATION ON LIFE HISTORY EVOLUTION IN TRINIDADIAN GUPPIES (POECILIA RETICULATA). *Evolution; International Journal of Organic Evolution*, **1982**, 36, 160-177	3.8	596
202	Big houses, big cars, superfleas and the costs of reproduction. *Trends in Ecology and Evolution*, **2000** , 15, 421-425	10.9	574
201	The population ecology of contemporary adaptations: what empirical studies reveal about the conditions that promote adaptive evolution. *Genetica*, **2001**, 112/113, 183-198	1.5	512
200	The Impact of Predation on Life History Evolution in Trinidadian Guppies (Poecilia reticulata). *Evolution; International Journal of Organic Evolution*, **1982**, 36, 160	3.8	509
199	Evolution on ecological time-scales. *Functional Ecology*, **2007**, 21, 387-393	5.6	451
198	Convergence and parallelism reconsidered: what have we learned about the genetics of adaptation?. *Trends in Ecology and Evolution*, **2008**, 23, 26-32	10.9	388
197	Life-history evolution in guppies. VII. The comparative ecology of high- and low-predation environments. *American Naturalist*, **2001**, 157, 126-40	3.7	348
196	Non-adaptive plasticity potentiates rapid adaptive evolution of gene expression in nature. *Nature*, **2015**, 525, 372-5	50.4	328
195	Effect of extrinsic mortality on the evolution of senescence in guppies. *Nature*, **2004**, 431, 1095-9	50.4	323
194	LIFE-HISTORY EVOLUTION IN GUPPIES (POECILIA RETICULATA) 6. DIFFERENTIAL MORTALITY AS A MECHANISM FOR NATURAL SELECTION. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 1651-1660	3.8	312
193	Do faster starts increase the probability of evading predators?. *Functional Ecology*, **2005**, 19, 808-815	5.6	306
192	r- AND K-SELECTION REVISITED: THE ROLE OF POPULATION REGULATION IN LIFE-HISTORY EVOLUTION. *Ecology*, **2002**, 83, 1509-1520	4.6	306
191	Local adaptation in Trinidadian guppies alters ecosystem processes. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 3616-21	11.5	267

190	Constraints on adaptive evolution: the functional trade-off between reproduction and fast-start swimming performance in the Trinidadian guppy (Poecilia reticulata). *American Naturalist*, **2004**, 164, 38-50	3.7	247
189	The relative influence of natural selection and geography on gene flow in guppies. *Molecular Ecology*, **2006**, 15, 49-62	5.7	236
188	Familiarity leads to female mate preference for novel males in the guppy, Poecilia reticulata. *Animal Behaviour*, **1999**, 58, 907-916	2.8	222
187	LIFE-HISTORY EVOLUTION IN GUPPIES (POECILIA RETICULATA): 1. PHENOTYPIC AND GENETIC CHANGES IN AN INTRODUCTION EXPERIMENT. *Evolution; International Journal of Organic Evolution* , **1987**, 41, 1370-1385	3.8	210
186	The Influence of Fluctuating Resources on Life History: Patterns of Allocation and Plasticity in Female Guppies. *Ecology*, **1993**, 74, 2011-2019	4.6	193
185	Frequency-dependent survival in natural guppy populations. *Nature*, **2006**, 441, 633-6	50.4	190
184	RAIN FOREST CANOPY COVER, RESOURCE AVAILABILITY, AND LIFE HISTORY EVOLUTION IN GUPPIES. *Ecology*, **2001**, 82, 1546-1559	4.6	184
183	The Structure of Guppy Life Histories: The Tradeoff between Growth and Reproduction. *Ecology*, **1983**, 64, 862-873	4.6	184
182	Measuring reproductive costs: Response to partridge. *Trends in Ecology and Evolution*, **1992**, 7, 134	10.9	183
181	Life-History Evolution in Guppies (Poecilia reticulata): 1. Phenotypic and Genetic Changes in an Introduction Experiment. *Evolution; International Journal of Organic Evolution*, **1987**, 41, 1370	3.8	170
180	Life-History Evolution in Guppies (Poecilia reticulata: Poeciliidae). IV. Parallelism in Life-History Phenotypes. *American Naturalist*, **1996**, 147, 319-338	3.7	159
179	Independent origins and rapid evolution of the placenta in the fish genus Poeciliopsis. *Science*, **2002** , 298, 1018-20	33.3	158
178	Life-History Evolution in Guppies (Poecilia reticulata) 6. Differential Mortality as a Mechanism for Natural Selection. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 1651	3.8	158
177	Plasticity in age and size at maturity in male guppies (Poecilia reticulata): An experimental evaluation of alternative models of development. *Journal of Evolutionary Biology*, **1990**, 3, 185-203	2.3	143
176	Multi-trait Selection, Adaptation, and Constraints on the Evolution of Burst Swimming Performance. *Integrative and Comparative Biology*, **2003**, 43, 431-8	2.8	142
175	THE IMPACT OF PREDATION ON LIFE HISTORY EVOLUTION IN TRINIDADIAN GUPPIES: GENETIC BASIS OF OBSERVED LIFE HISTORY PATTERNS. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 1236-1250	3.8	139
174	Experimental evaluation of evolution and coevolution as agents of ecosystem change in Trinidadian streams. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2009**, 364, 1617-28	5.8	137
173	Life-History Evolution in Guppies (Poecilia reticulata: Poeciliidae). V. Genetic Basis of Parallelism in Life Histories. *American Naturalist*, **1996**, 147, 339-359	3.7	137

172	Slower Growth Results in Larger Otoliths: An Experimental Test with Guppies (Poecilia reticulata). *Canadian Journal of Fisheries and Aquatic Sciences*, **1989**, 46, 108-112	2.4	136
171	Maternal Effects on Offspring Quality in Poeciliid Fishes. *American Zoologist*, **1996**, 36, 147-156		127
170	Parallel evolution of the sexes? Effects of predation and habitat features on the size and shape of wild guppies. *Journal of Evolutionary Biology*, **2006**, 19, 741-54	2.3	119
169	Fat cycling in the mosquitofish (Gambusia affinis): fat storage as a reproductive adaptation. *Oecologia*, **1987**, 73, 401-413	2.9	118
168	Interactions between the direct and indirect effects of predators determine life history evolution in a killifish. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 594-9	11.5	116
167	The evolution of the placenta drives a shift in sexual selection in livebearing fish. *Nature*, **2014**, 513, 233-6	50.4	108
166	VARIATION IN THE DEMOGRAPHY OF GUPPY POPULATIONS:THE IMPORTANCE OF PREDATION AND LIFE HISTORIES. *Ecology*, **1997**, 78, 405-418	4.6	107
165	Diet quality and prey selectivity correlate with life histories and predation regime in Trinidadian guppies. *Functional Ecology*, **2011**, 25, 964-973	5.6	105
164	Darwin's bridge between microevolution and macroevolution. *Nature*, **2009**, 457, 837-42	50.4	101
163	Local adaptation and the evolution of phenotypic plasticity in Trinidadian guppies (Poecilia reticulata). *Evolution; International Journal of Organic Evolution*, **2012**, 66, 3432-43	3.8	99
162	The evolution of senescence in fish. *Mechanisms of Ageing and Development*, **2002**, 123, 773-89	5.6	94
161	EFFECTS OF LARVAL DENSITY ON POSTMETAMORPHIC SPADEFOOT TOADS (SPEA HAMMONDII). *Ecology*, **2001**, 82, 510-522	4.6	92
160	Can commercial fishing cause evolution? Answers from guppies (Poecilia reticulata). *Canadian Journal of Fisheries and Aquatic Sciences*, **2005**, 62, 791-801	2.4	89
159	Evolution of juvenile growth rates in female guppies (Poecilia reticulata): predator regime or resource level?. *Proceedings of the Royal Society B: Biological Sciences*, **2005**, 272, 333-7	4.4	89
158	The evolution of senescence and post-reproductive lifespan in guppies (Poecilia reticulata). *PLoS Biology*, **2006**, 4, e7	9.7	87
157	A COMPARATIVE ANALYSIS OF PLASTICITY IN LARVAL DEVELOPMENT IN THREE SPECIES OF SPADEFOOT TOADS. *Ecology*, **2000**, 81, 1736-1749	4.6	87
156	The Impact of Predation on Life History Evolution in Trinidadian Guppies: Genetic Basis of Observed Life History Patterns. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 1236	3.8	87
155	The impact of rapid evolution on population dynamics in the wild: experimental test of eco-evolutionary dynamics. *Ecology Letters*, **2011**, 14, 1084-92	10	84

154	Disentangling the selective factors that act on male colour in wild guppies. *Oikos*, **2006**, 113, 1-12	4	81
153	r- and K-Selection Revisited: The Role of Population Regulation in Life-History Evolution. *Ecology*, **2002**, 83, 1509	4.6	80
152	Juvenile compensatory growth has negative consequences for reproduction in Trinidadian guppies (Poecilia reticulata). *Ecology Letters*, **2010**, 13, 998-1007	10	77
151	Metabolic rate evolves rapidly and in parallel with the pace of life history. *Nature Communications*, **2018**, 9, 14	17.4	76
150	Experimental evidence for density-dependent regulation and selection on Trinidadian guppy life histories. *American Naturalist*, **2013**, 181, 25-38	3.7	75
149	Adaptation in a variable environment: Phenotypic plasticity and bet-hedging during egg diapause and hatching in an annual killifish. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 1461-1475	3.8	74
148	Widespread intraspecific organismal stoichiometry among populations of the Trinidadian guppy. *Functional Ecology*, **2012**, 26, 666-676	5.6	74
147	Direct and indirect ecosystem effects of evolutionary adaptation in the Trinidadian guppy (Poecilia reticulata). *American Naturalist*, **2012**, 180, 167-85	3.7	74
146	Predator-induced phenotypic plasticity in metabolism and rate of growth: rapid adaptation to a novel environment. *Integrative and Comparative Biology*, **2013**, 53, 975-88	2.8	72
145	Genetic Determination of Offspring Size in the Guppy (Poecilia reticulata). *American Naturalist*, **1982**, 120, 181-188	3.7	71
144	The relationship between habitat permanence and larval development in California spadefoot toads: field and laboratory comparisons of developmental plasticity. *Oikos*, **2004**, 104, 172-190	4	70
143	Convergent evolution of alternative developmental trajectories associated with diapause in African and South American killifish. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282,	4.4	68
142	LIFE-HISTORY EVOLUTION IN GUPPIES: 2. REPEATABILITY OF HELD OBSERVATIONS AND THE EFFECTS OF SEASON ON LIFE HISTORIES. *Evolution; International Journal of Organic Evolution*, **1989** , 43, 1285-1297	3.8	68
141	Selection in nature: experimental manipulations of natural populations. *Integrative and Comparative Biology*, **2005**, 45, 456-62	2.8	67
140	MEASURING THE COST OF REPRODUCTION: A COMMENT ON PAPERS BY BELL. *Evolution; International Journal of Organic Evolution*, **1986**, 40, 1338-1344	3.8	66
139	A model for optimal offspring size in fish, including live-bearing and parental effects. *American Naturalist*, **2011**, 177, E119-35	3.7	65
138	Adaptive changes in life history and survival following a new guppy introduction. *American Naturalist*, **2009**, 174, 34-45	3.7	65
137	Phenotypic diversification across an environmental gradient: a role for predators and resource availability on the evolution of life histories. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 3201-13	3.8	64

136	Comparative studies of senescence in natural populations of guppies. *American Naturalist*, **2004**, 163, 55-68	3.7	60
135	Genetic and environmental effects on secondary sex traits in guppies (Poecilia reticulata). *Journal of Evolutionary Biology*, **2005**, 18, 35-45	2.3	60
134	Population genomics of natural and experimental populations of guppies (Poecilia reticulata). *Molecular Ecology*, **2015**, 24, 389-408	5.7	59
133	The evolution of senescence in natural populations of guppies (Poecilia reticulata): a comparative approach. *Experimental Gerontology*, **2001**, 36, 791-812	4.5	57
132	"Grandfather Effects": The Genetics of Interpopulation Differences in Offspring Size in the Mosquito Fish. *Evolution; International Journal of Organic Evolution*, **1981**, 35, 941	3.8	57
131	From low to high gear: there has been a paradigm shift in our understanding of evolution. *Ecology Letters*, **2019**, 22, 233-244	10	57
130	Experimental studies of evolution in guppies: a model for understanding the evolutionary consequences of predator removal in natural communities. *Molecular Ecology*, **2008**, 17, 97-107	5.7	56
129	Do Eco-Evo Feedbacks Help Us Understand Nature? Answers From Studies of the Trinidadian Guppy. *Advances in Ecological Research*, **2014**, 1-40	4.6	54
128	Predicting the direction of ornament evolution in Trinidadian guppies (Poecilia reticulata). *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 4335-43	4.4	54
127	PHENOTYPIC PLASTICITY IN THE LIFE HISTORY TRAITS OF GUPPIES: RESPONSES TO SOCIAL ENVIRONMENT. *Ecology*, **1997**, 78, 419-433	4.6	53
126	Fine-scale local adaptation in life histories along a continuous environmental gradient in Trinidadian guppies. *Functional Ecology*, **2012**, 26, 616-627	5.6	52
125	Influence of the indirect effects of guppies on life-history evolution in Rivulus hartii. *Evolution; International Journal of Organic Evolution*, **2010**, 64, 1583-93	3.8	52
124	The genetic and environmental basis of adaptive differences in shoaling behaviour among populations of Trinidadian guppies, Poecilia reticulata. *Journal of Evolutionary Biology*, **2009**, 22, 1860-6	2.3	51
123	"GRANDFATHER EFFECTS": THE GENETICS OF INTERPOPULATION DIFFERENCES IN OFFSPRING SIZE IN THE MOSQUITO FISH. *Evolution; International Journal of Organic Evolution*, **1981**, 35, 941-953	3.8	51
122	Flow, nutrients, and light availability influence Neotropical epilithon biomass and stoichiometry. *Freshwater Science*, **2012**, 31, 1019-1034	2	49
121	megasat: automated inference of microsatellite genotypes from sequence data. *Molecular Ecology Resources*, **2017**, 17, 247-256	8.4	48
120	Life History Evolution in Guppies: III. The Impact of Prawn Predation on Guppy Life Histories. *Oikos*, **1991**, 62, 13	4	48
119	Swimming performance trade-offs across a gradient in community composition in Trinidadian killifish (Rivulus hartii). *Ecology*, **2011**, 92, 170-9	4.6	46

118	Identification of major histocompatibility complex genes in the guppy, Poecilia reticulata. *Immunogenetics*, **1996**, 43, 38-49	3.2	46
117	Beyond lifetime reproductive success: the posthumous reproductive dynamics of male Trinidadian guppies. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20131116	4.4	45
116	The Suitability of Calcein to Mark Poeciliid Fish and a New Method of Detection. *Transactions of the American Fisheries Society*, **2001**, 130, 501-507	1.7	45
115	Matrotrophy limits a female's ability to adaptively adjust offspring size and fecundity in fluctuating environments. *Functional Ecology*, **2011**, 25, 747-756	5.6	44
114	Independent evolution of complex life history adaptations in two families of fishes, live-bearing halfbeaks (zenarchopteridae, beloniformes) and poeciliidae (cyprinodontiformes). *Evolution; International Journal of Organic Evolution*, **2007**, 61, 2570-83	3.8	44
113	Ancient and continuing Darwinian selection on insulin-like growth factor II in placental fishes. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 12404-9	11.5	43
112	The origin and biogeographic diversification of fishes in the family Poeciliidae. *PLoS ONE*, **2017**, 12, e0173546	3.7	42
111	Replicated origin of female-biased adult sex ratio in introduced populations of the trinidadian guppy (Poecilia reticulata). *Evolution; International Journal of Organic Evolution*, **2014**, 68, 2343-56	3.8	41
110	Experimental test of an eco-evolutionary dynamic feedback loop between evolution and population density in the green peach aphid. *American Naturalist*, **2013**, 181 Suppl 1, S46-57	3.7	41
109	Gene flow from an adaptively divergent source causes rescue through genetic and demographic factors in two wild populations of Trinidadian guppies. *Evolutionary Applications*, **2016**, 9, 879-91	4.8	41
108	Experimentally induced life-history evolution in a killifish in response to the introduction of guppies. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 1021-36	3.8	39
107	Ornamental evolution in Trinidadian guppies (Poecilia reticulata): insights from sensory processing-based analyses of entire colour patterns. *Biological Journal of the Linnean Society*, **2008**, 95, 734-747	1.9	39
106	Habitat predicts reproductive superfetation and body shape in the livebearing fish Poeciliopsis turrubarensis. *Oikos*, **2007**, 116, 995-1005	4	39
105	Predation-associated differences in sex linkage of wild guppy coloration. *Evolution; International Journal of Organic Evolution*, **2012**, 66, 912-918	3.8	38
104	Allelic expression of IGF2 in live-bearing, matrotrophic fishes. *Development Genes and Evolution*, **2005**, 215, 207-12	1.8	38
103	Environmental and organismal predictors of intraspecific variation in the stoichiometry of a neotropical freshwater fish. *PLoS ONE*, **2012**, 7, e32713	3.7	38
102	Molecular phylogenetic relationships and the evolution of the placenta in Poecilia (Micropoecilia) (Poeciliidae: Cyprinodontiformes). *Molecular Phylogenetics and Evolution*, **2010**, 55, 631-9	4.1	37
101	On the virtue of being the first born: the influence of date of birth on fitness in the mosquitofish, Gambusia affinis. *Oikos*, **2006**, 114, 135-147	4	37

100	Life-history evolution in guppies VIII: the demographics of density regulation in guppies (Poecilia reticulata). *Evolution; International Journal of Organic Evolution*, **2012**, 66, 2903-15	3.8	36
99	POPULATION-DYNAMIC CONSEQUENCES OF PREDATOR-INDUCED LIFE HISTORY VARIATION IN THE GUPPY (POECILIA RETICULATA). *Ecology*, **2002**, 83, 2194-2204	4.6	36
98	Life-History Evolution in Guppies: 2. Repeatability of Field Observations and the Effects of Season on Life Histories. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 1285	3.8	35
97	Eco-Evolutionary Feedbacks Predict the Time Course of Rapid Life-History Evolution. *American Naturalist*, **2019**, 194, 671-692	3.7	34
96	The direct and indirect effects of guppies: implications for life-history evolution in Rivulus hartii. *Functional Ecology*, **2011**, 25, 227-237	5.6	34
95	The evolution of placentas and superfetation in the fish genus Poecilia (Cyprinodontiformes: Poeciliidae: subgenera Micropoecilia and Acanthophacelus). *Biological Journal of the Linnean Society*, **2010**, 99, 784-796	1.9	33
94	Intraspecific phenotypic differences in fish affect ecosystem processes as much as bottom□p factors. *Oikos*, **2015**, 124, 1181-1191	4	32
93	The effects of asymmetric competition on the life history of Trinidadian guppies. *Ecology Letters*, **2016**, 19, 268-78	10	31
92	Molecular phylogenetic relationships and the coevolution of placentotrophy and superfetation in Poecilia (Poeciliidae: Cyprinodontiformes). *Molecular Phylogenetics and Evolution*, **2011**, 59, 148-57	4.1	31
91	Contrasting Population and Diet Influences on Gut Length of an Omnivorous Tropical Fish, the Trinidadian Guppy (Poecilia reticulata). *PLoS ONE*, **2015**, 10, e0136079	3.7	30
90	Selection analysis on the rapid evolution of a secondary sexual trait. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20151244	4.4	29
89	Interpopulation variation in life-history traits of Poeciliopsis prolifica: implications for the study of placental evolution. *Journal of Experimental Zoology*, **2007**, 307, 113-25		28
88	Speciation through the lens of biomechanics: locomotion, prey capture and reproductive isolation. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	27
87	Parallelism isn't perfect: could disease and flooding drive a life-history anomaly in Trinidadian guppies?. *American Naturalist*, **2014**, 183, 290-300	3.7	27
86	Hard and Soft Selection Revisited: How Evolution by Natural Selection Works in the Real World. *Journal of Heredity*, **2016**, 107, 3-14	2.4	25
85	Life History Evolution in Guppies: a Model System for the Empirical Study of Adaptation. *Animal Biology*, **1995**, 46, 172-190		25
84	Is mom in charge? Implications of resource provisioning on the evolution of the placenta. *Evolution; International Journal of Organic Evolution*, **2010**, 64, 3172-82	3.8	24
83	Life History ofPhalloceros caudiomaculatus: A Novel Variation on the Theme of Livebearing in the Family Poeciliidae. *Copeia*, **2000**, 2000, 792-798	1.1	24

82	Norms of Reaction in Fishes. *Lecture Notes in Biomathematics*, **1993**, 72-90		24
81	New model systems for studying the evolutionary biology of aging: crustacea. *Genetica*, **1993**, 91, 79-88	1.5	22
80	Bridging the gap between ecology and evolution: integrating density regulation and life-history evolution. *Annals of the New York Academy of Sciences*, **2010**, 1206, 17-34	6.5	21
79	Life history of Xenodexia ctenolepis: implications for life history evolution in the family Poeciliidae. *Biological Journal of the Linnean Society*, **2007**, 92, 77-85	1.9	21
78	Long-term Studies of Tropical Stream Fish Communities:The Use of Field Notes and Museum Collections to Reconstruct Communities of the Past. *American Zoologist*, **1994**, 34, 452-462		21
77	Predictable adaptive trajectories of sexual coloration in the wild: Evidence from replicate experimental guppy populations. *Evolution; International Journal of Organic Evolution*, **2018**, 72, 2462-2477	3.8	20
76	Why do placentas evolve? An evaluation of the life-history facilitation hypothesis in the fish genus Poeciliopsis. *Functional Ecology*, **2011**, 25, 757-768	5.6	20
75	The population ecology of contemporary adaptations: What empirical studies reveal about the conditions that promote adaptive evolution. *Contemporary Issues in Genetics and Evolution*, **2001**, 183-198		20
74	Local Adaptation in Trinidadian Guppies Alters Stream Ecosystem Structure at Landscape Scales despite High Environmental Variability. *Copeia*, **2017**, 105, 504-513	1.1	19
73	Effects of consumer interactions on benthic resources and ecosystem processes in a neotropical stream. *PLoS ONE*, **2012**, 7, e45230	3.7	19
72	The evolution of coexistence: Reciprocal adaptation promotes the assembly of a simple community. *Evolution; International Journal of Organic Evolution*, **2017**, 71, 373-385	3.8	18
71	Sex-specific local life-history adaptation in surface- and cave-dwelling Atlantic mollies (Poecilia mexicana). *Scientific Reports*, **2016**, 6, 22968	4.9	17
70	Population size-structure-dependent fitness and ecosystem consequences in Trinidadian guppies. *Journal of Animal Ecology*, **2015**, 84, 955-68	4.7	16
69	How conflict shapes evolution in poeciliid fishes. *Nature Communications*, **2019**, 10, 3335	17.4	16
68	Intraspecific variability modulates interspecific variability in animal organismal stoichiometry. *Ecology and Evolution*, **2014**, 4, 1505-15	2.8	16
67	Empirical Evidence for Rapid Evolution **2004**, 101-118		16
66	A COMPARATIVE ANALYSIS OF PLASTICITY IN LARVAL DEVELOPMENT IN THREE SPECIES OF SPADEFOOT TOADS **2000**, 81, 1736		16
65	Population variation in the trophic niche of the Trinidadian guppy from different predation regimes. *Scientific Reports*, **2017**, 7, 5770	4.9	15

64	Analysis of expressed sequence tags from the placenta of the live-bearing fish Poeciliopsis (Poeciliidae). *Journal of Heredity*, **2011**, 102, 352-61	2.4	15
63	RAIN FOREST CANOPY COVER, RESOURCE AVAILABILITY, AND LIFE HISTORY EVOLUTION IN GUPPIES **2001**, 82, 1546		15
62	Experimental Studies of Evolution and Eco-Evo Dynamics in Guppies (Poecilia reticulata). *Annual Review of Ecology, Evolution, and Systematics*, **2019**, 50, 335-354	13.5	14
61	Linking reproduction, locomotion, and habitat use in the Trinidadian guppy (Poecilia reticulata). *Oecologia*, **2016**, 181, 87-96	2.9	14
60	Life History of Poecilia picta (Poeciliidae) from the Island of Trinidad. *Copeia*, **1992**, 1992, 782	1.1	14
59	Measuring the Cost of Reproduction: A Comment on Papers by Bell. *Evolution; International Journal of Organic Evolution*, **1986**, 40, 1338	3.8	14
58	Variation in the Demography of Guppy Populations: The Importance of Predation and Life Histories. *Ecology*, **1997**, 78, 405	4.6	13
57	Effects of neonatal size on maturity and escape performance in the Trinidadian guppy. *Functional Ecology*, **2016**, 30, 943-952	5.6	13
56	Fish introductions and light modulate food web fluxes in tropical streams: a whole-ecosystem experimental approach. *Ecology*, **2016**, 97, 3154-3166	4.6	12
55	The evolution of the sexually selected sword in Xiphophorus does not compromise aerobic locomotor performance. *Evolution; International Journal of Organic Evolution*, **2014**, 68, 1806-23	3.8	12
54	Maternal size and body condition predict the amount of post-fertilization maternal provisioning in matrotrophic fish. *Ecology and Evolution*, **2018**, 8, 12386-12396	2.8	12
53	Rapid Changes in the Sex Linkage of Male Coloration in Introduced Guppy Populations. *American Naturalist*, **2017**, 189, 196-200	3.7	11
52	Life histories have a history: effects of past and present conditions on adult somatic growth rates in wild Trinidadian guppies. *Journal of Animal Ecology*, **2012**, 81, 818-26	4.7	11
51	Convergence of life-history phenotypes in a Trinidadian killifish (Rivulus hartii). *Evolution; International Journal of Organic Evolution*, **2012**, 66, 1240-54	3.8	11
50	Gene Flow Constrains and Facilitates Genetically Based Divergence in Quantitative Traits. *Copeia*, **2017**, 105, 462-474	1.1	11
49	Reproductive mode and the shifting arenas of evolutionary conflict. *Annals of the New York Academy of Sciences*, **2015**, 1360, 75-100	6.5	11
48	The influence of dietary and whole-body nutrient content on the excretion of a vertebrate consumer. *PLoS ONE*, **2017**, 12, e0187931	3.7	11
47	Local adaptation of fish consumers alters primary production through changes in algal community composition and diversity. *Oikos*, **2017**, 126, 594-603	4	9

46	Spatio-temporal dynamics of density-dependent dispersal during a population colonisation. *Ecology Letters*, **2019**, 22, 634-644	10	9
45	Predation risk shapes the degree of placentation in natural populations of live-bearing fish. *Ecology Letters*, **2020**, 23, 831-840	10	8
44	In love and war: The morphometric and phylogenetic basis of ornamentation, and the evolution of male display behavior, in the livebearer genus Poecilia. *Evolution; International Journal of Organic Evolution*, **2019**, 73, 360-377	3.8	8
43	Molecular Signatures of Placentation and Secretion Uncovered in Poeciliopsis Maternal Follicles. *Molecular Biology and Evolution*, **2020**, 37, 2679-2690	8.3	7
42	Individual differences determine the strength of ecological interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 17068-17073	11.5	7
41	Tissue-Specific Transcriptome for Reveals Evidence for Genetic Adaptation Related to the Evolution of a Placental Fish. *G3: Genes, Genomes, Genetics*, **2018**, 8, 2181-2192	3.2	7
40	Why do placentas evolve? A test of the life-history facilitation hypothesis in two clades in the genus Poeciliopsis representing two independent origins of placentas. *Functional Ecology*, **2014**, 28, 999-1010	5.6	7
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