Andrew Hendry

List of Publications by Citations

223 papers	18,012 citations	73 h-index	129 g-index
278 ext. papers	20,970 ext. citations	5.7 avg, IF	7.26 L-index

#	Paper	IF	Citations
223	Contemporary evolution meets conservation biology. *Trends in Ecology and Evolution*, **2003**, 18, 94-101	10.9	756
222	Climate change, adaptation, and phenotypic plasticity: the problem and the evidence. *Evolutionary Applications*, **2014**, 7, 1-14	4.8	710
221	Improving the forecast for biodiversity under climate change. *Science*, **2016**, 353,	33.3	511
220	Human influences on rates of phenotypic change in wild animal populations. *Molecular Ecology*, **2008**, 17, 20-9	5.7	497
219	PERSPECTIVE: THE PACE OF MODERN LIFE: MEASURING RATES OF CONTEMPORARY MICROEVOLUTION. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 1637-1653	3.8	462
218	Evolution on ecological time-scales. *Functional Ecology*, **2007**, 21, 387-393	5.6	451
217	Rapid evolution of reproductive isolation in the wild: evidence from introduced salmon. *Science*, **2000**, 290, 516-9	33.3	419
216	The multifarious effects of dispersal and gene flow on contemporary adaptation. *Functional Ecology*, **2007**, 21, 434-443	5.6	380
215	Eco-evolutionary dynamics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2009**, 364, 1483-9	5.8	366
214	Relaxed selection in the wild. *Trends in Ecology and Evolution*, **2009**, 24, 487-96	10.9	358
213	The ecological importance of intraspecific variation. *Nature Ecology and Evolution*, **2018**, 2, 57-64	12.3	326
212	Potential responses to climate change in organisms with complex life histories: evolution and plasticity in Pacific salmon. *Evolutionary Applications*, **2008**, 1, 252-70	4.8	315
211	How much of the variation in adaptive divergence can be explained by gene flow? An evaluation using lake-stream stickleback pairs. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 2319-31	3.8	296
210	Population structure attributable to reproductive time: isolation by time and adaptation by time. *Molecular Ecology*, **2005**, 14, 901-16	5.7	295
209	Perspective: The Pace of Modern Life: Measuring Rates of Contemporary Microevolution. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 1637	3.8	287
208	Adaptive divergence and the balance between selection and gene flow: lake and stream stickleback in the Misty system. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 1199-216	3.8	275
207	The pace of modern life II: from rates of contemporary microevolution to pattern and process. *Genetica*, **2001**, 112/113, 145-164	1.5	270

206	Global urban signatures of phenotypic change in animal and plant populations. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8951-8956	11.5	248
205	The speed of ecological speciation. *Functional Ecology*, **2007**, 21, 455-464	5.6	242
204	The relative influence of natural selection and geography on gene flow in guppies. *Molecular Ecology*, **2006**, 15, 49-62	5.7	236
203	Life history change in commercially exploited fish stocks: an analysis of trends across studies. *Evolutionary Applications*, **2009**, 2, 260-75	4.8	227
202	Disentangling interactions between adaptive divergence and gene flow when ecology drives diversification. *Ecology Letters*, **2008**, 11, 624-36	10	224
201	Genome divergence during evolutionary diversification as revealed in replicate lake-stream stickleback population pairs. *Molecular Ecology*, **2012**, 21, 2852-62	5.7	194
200	Evolutionary principles and their practical application. *Evolutionary Applications*, **2011**, 4, 159-83	4.8	192
199	Along the speciation continuum in sticklebacks. *Journal of Fish Biology*, **2009**, 75, 2000-36	1.9	185
198	Population mixing and the adaptive divergence of quantitative traits in discrete populations: a theoretical framework for empirical tests. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 459-66	3.8	185
197	Fates beyond traits: ecological consequences of human-induced trait change. *Evolutionary Applications*, **2012**, 5, 183-91	4.8	181
196	Key Questions on the Role of Phenotypic Plasticity in Eco-Evolutionary Dynamics. *Journal of Heredity*, **2016**, 107, 25-41	2.4	176
195	Evolutionary responses to climate change. *Conservation Biology*, **2007**, 21, 1353-5	6	176
194	Secondary sexual characters, energy use, senescence, and the cost of reproduction in sockeye salmon. *Canadian Journal of Zoology*, **1999**, 77, 1663-1675	1.5	171
193	Migratory costs and the evolution of egg size and number in introduced and indigenous salmon populations. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1656-67	3.8	170
192	Variable progress toward ecological speciation in parapatry: stickleback across eight lake-stream transitions. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 1740-53	3.8	162
191	Ecological speciation! Or the lack thereof?This Perspective is based on the author J.C. Stevenson Memorial Lecture delivered at the Canadian Conference for Fisheries Research in Halifax, Nova Scotia, January 2008.. *Canadian Journal of Fisheries and Aquatic Sciences*, **2009**, 66, 1383-1398	2.4	161
190	Optimal size and number of propagules: allowance for discrete stages and effects of maternal size on reproductive output and offspring fitness. *American Naturalist*, **2001**, 157, 387-407	3.7	160
189	Parallel and nonparallel aspects of ecological, phenotypic, and genetic divergence across replicate population pairs of lake and stream stickleback. *Evolution; International Journal of Organic Evolution* , **2012**, 66, 402-18	3.8	159

188	Bite performance and morphology in a population of Darwin's finches: implications for the evolution of beak shape. *Functional Ecology*, **2005**, 19, 43-48	5.6	158
187	The consequences of phenotypic plasticity for ecological speciation. *Journal of Evolutionary Biology*, **2011**, 24, 326-42	2.3	143
186	Eco-evolutionary Dynamics **2016**,		143
185	Human influences on evolution, and the ecological and societal consequences. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	136
184	Evosystem services: an evolutionary perspective on the links between biodiversity and human well-being. *Current Opinion in Environmental Sustainability*, **2010**, 2, 66-74	7.2	136
183	Natural selection drives patterns of lake-stream divergence in stickleback foraging morphology. *Journal of Evolutionary Biology*, **2008**, 21, 1653-65	2.3	134
182	The Influence of Life History Trade-Offs and the Size of Incubation Gravels on Egg Size Variation in Sockeye Salmon (Oncorhynchus nerka). *Oikos*, **1995**, 74, 425	4	126
181	Contrasting effects of environment and genetics generate a continuum of parallel evolution. *Nature Ecology and Evolution*, **2017**, 1, 158	12.3	125
180	Eco-evolutionary Dynamics **2017**,		125
179	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
178	The genomic signature of parallel adaptation from shared genetic variation. *Molecular Ecology*, **2014**, 23, 3944-56	5.7	114
177	Egg-size evolution in aquatic environments: does oxygen availability constrain size?. *Proceedings of the Royal Society B: Biological Sciences*, **2002**, 269, 2325-30	4.4	113
176	Evolution of bite force in Darwin's finches: a key role for head width. *Journal of Evolutionary Biology* , **2005**, 18, 669-75	2.3	106
175	Force□elocity trade-off in Darwin's finch jaw function: a biomechanical basis for ecological speciation?. *Functional Ecology*, **2009**, 23, 119-125	5.6	104
174	Possible human impacts on adaptive radiation: beak size bimodality in Darwin's finches. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 1887-94	4.4	102
173	Eco-evolutionary dynamics in Pacific salmon. *Heredity*, **2011**, 106, 438-47	3.6	101
172	Reproductive isolation of sympatric morphs in a population of Darwin's finches. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 1709-14	4.4	101
171	Two decades of genetic profiling yields first evidence of natal philopatry and long-term fidelity to parturition sites in sharks. *Molecular Ecology*, **2014**, 23, 110-7	5.7	100

170	Communication in troubled waters: responses of fish communication systems to changing environments. *Evolutionary Ecology*, **2011**, 25, 623-640	1.8	98
169	Understanding and monitoring the consequences of human impacts on intraspecific variation. *Evolutionary Applications*, **2017**, 10, 121-139	4.8	97
168	Ecosystem tipping points in an evolving world. *Nature Ecology and Evolution*, **2019**, 3, 355-362	12.3	95
167	Quantifying the constraining influence of gene flow on adaptive divergence in the lake-stream threespine stickleback system. *Evolution; International Journal of Organic Evolution*, **2007**, 61, 2015-26	3.8	93
166	Condition Dependence and Adaptation-by-Time: Breeding Date, Life History, and Energy Allocation within a Population of Salmon. *Oikos*, **1999**, 85, 499	4	92
165	Adaptive variation in senescence: reproductive lifespan in a wild salmon population. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 259-66	4.4	88
164	A roadmap for urban evolutionary ecology. *Evolutionary Applications*, **2019**, 12, 384-398	4.8	88
163	Incubation temperature, developmental biology, and the divergence of sockeye salmon (Oncorhynchus nerka) within Lake Washington. *Canadian Journal of Fisheries and Aquatic Sciences*, **1998**, 55, 1387-1394	2.4	85
162	When bigger is not better: selection against large size, high condition and fast growth in juvenile lemon sharks. *Journal of Evolutionary Biology*, **2007**, 20, 201-12	2.3	85
161	Disentangling the selective factors that act on male colour in wild guppies. *Oikos*, **2006**, 113, 1-12	4	81
160	Adaptive divergence and the evolution of reproductive isolation in the wild: an empirical demonstration using introduced sockeye salmon. *Genetica*, **2001**, 112/113, 515-534	1.5	81
159	Disruptive selection in a bimodal population of Darwin's finches. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 753-9	4.4	80
158	Questioning species realities. *Conservation Genetics*, **2000**, 1, 67-76	2.6	80
157	When can ecological speciation be detected with neutral loci?. *Molecular Ecology*, **2010**, 19, 2301-14	5.7	79
156	Solving the paradox of stasis: squashed stabilizing selection and the limits of detection. *Evolution; International Journal of Organic Evolution*, **2014**, 68, 483-500	3.8	78
155	Natural and sexual selection giveth and taketh away reproductive barriers: models of population divergence in guppies. *American Naturalist*, **2010**, 176, 26-39	3.7	74
154	Evolutionary biology in biodiversity science, conservation, and policy: a call to action. *Evolution; International Journal of Organic Evolution*, **2010**, 64, 1517-28	3.8	73
153	Constraints on speciation suggested by comparing lake-stream stickleback divergence across two continents. *Molecular Ecology*, **2010**, 19, 4963-78	5.7	73

152	The speed of ecological speciation. *Functional Ecology*, **2007**, 21, 455-464	5.6	73
151	The pace of modern life II: from rates of contemporary microevolution to pattern and process. *Genetica*, **2001**, 112-113, 145-64	1.5	72
150	Five questions on ecological speciation addressed with individual-based simulations. *Journal of Evolutionary Biology*, **2009**, 22, 109-23	2.3	71
149	Eco-evolutionary feedbacks□Theoretical models and perspectives. *Functional Ecology*, **2019**, 33, 13-30	5.6	67
148	Are indirect genetic benefits associated with polyandry? Testing predictions in a natural population of lemon sharks. *Molecular Ecology*, **2008**, 17, 783-95	5.7	66
147	Brown bears selectively kill salmon with higher energy content but only in habitats that facilitate choice. *Oikos*, **2004**, 104, 518-528	4	66
146	Maternal provisioning of offspring and the use of those resources during ontogeny: variation within and between Atlantic Salmon families. *Functional Ecology*, **2001**, 15, 13-23	5.6	66
145	Natural otolith microstructure patterns reveal precise homing to natal incubation sites by sockeye salmon (Oncorhynchus nerka). *Canadian Journal of Zoology*, **1999**, 77, 766-775	1.5	66
144	Adaptive changes in life history and survival following a new guppy introduction. *American Naturalist*, **2009**, 174, 34-45	3.7	65
143	A geometric morphometric appraisal of beak shape in Darwin's finches. *Journal of Evolutionary Biology*, **2008**, 21, 263-275	2.3	65
142	Divergence with gene flow as facilitated by ecological differences: within-island variation in Darwin's finches. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1041-52	5.8	64
141	Variation in adult life history and morphology among Lake Washington sockeye salmon (Oncorhynchus nerka) populations in relation to habitat features and ancestral affinities. *Canadian Journal of Fisheries and Aquatic Sciences*, **1997**, 54, 75-84	2.4	62
140	QST > = □Trends in Ecology and Evolution, **2002**, 17, 502	10.9	62
139	How Parallel Is Parallel Evolution? A Comparative Analysis in Fishes. *American Naturalist*, **2017**, 190, 1-16	3.7	61
138	Estimated six per cent loss of genetic variation in wild populations since the industrial revolution. *Evolutionary Applications*, **2019**, 12, 1505-1512	4.8	60
137	Genomic variation at the tips of the adaptive radiation of Darwin's finches. *Molecular Ecology*, **2016**, 25, 5282-5295	5.7	58
136	Key questions in the genetics and genomics of eco-evolutionary dynamics. *Heredity*, **2013**, 111, 456-66	3.6	58
135	A genetic assessment of polyandry and breeding-site fidelity in lemon sharks. *Molecular Ecology*, **2008**, 17, 3337-51	5.7	56

134	The Contemporary Evolution of Fitness. *Annual Review of Ecology, Evolution, and Systematics*, **2018**, 49, 457-476	13.5	54
133	Darwin's finches and their diet niches: the sympatric coexistence of imperfect generalists. *Journal of Evolutionary Biology*, **2014**, 27, 1093-104	2.3	53
132	Does time since colonization influence isolation by distance? A meta-analysis. *Conservation Genetics* , **2005**, 6, 665-682	2.6	53
131	Cryptic eco-evolutionary dynamics. *Annals of the New York Academy of Sciences*, **2015**, 1360, 120-44	6.5	50
130	Comparing Adaptive Radiations Across Space, Time, and Taxa. *Journal of Heredity*, **2020**, 111, 1-20	2.4	49
129	Whither adaptation?. *Biology and Philosophy*, **2008**, 23, 673-699	1.7	48
128	Does plasticity enhance or dampen phenotypic parallelism? A test with three lake-stream stickleback pairs. *Journal of Evolutionary Biology*, **2016**, 29, 126-43	2.3	48
127	Genetic divergence in morphology-performance mapping between Misty Lake and inlet stickleback. *Journal of Evolutionary Biology*, **2011**, 24, 23-35	2.3	47
126	Causes of maladaptation. *Evolutionary Applications*, **2019**, 12, 1229-1242	4.8	45
125	Estimating Natural Selection Acting on Stream-Dwelling Atlantic Salmon: Implications for the Restoration of Extirpated Populations. *Conservation Biology*, **2003**, 17, 795-805	6	45
124	Breeding location choice in salmon: causes (habitat, competition, body size, energy stores) and consequences (life span, energy stores). *Oikos*, **2001**, 93, 407-418	4	45
123	Spatial and temporal isolating mechanisms: the formation of discrete breeding aggregations of sockeye salmon (Oncorhynchus nerka). *Canadian Journal of Zoology*, **1995**, 73, 339-352	1.5	45
122	Quantitative genetic inheritance of morphological divergence in a lake-stream stickleback ecotype pair: implications for reproductive isolation. *Journal of Evolutionary Biology*, **2011**, 24, 1975-83	2.3	44
121	Spatiotemporal variation in linear natural selection on body color in wild guppies (Poecilia reticulata). *Evolution; International Journal of Organic Evolution*, **2010**, 64, 1802-15	3.8	44
120	What genomic data can reveal about eco-evolutionary dynamics. *Nature Ecology and Evolution*, **2018**, 2, 9-15	12.3	43
119	Reciprocal trophic niche shifts in native and invasive fish: salmonids and galaxiids in Patagonian lakes. *Freshwater Biology*, **2012**, 57, 1769-1781	3.1	40
118	Predation by bears drives senescence in natural populations of salmon. *PLoS ONE*, **2007**, 2, e1286	3.7	39
117	Contemporary evolution meets conservation biology II: impediments to integration and application. *Ecological Research*, **2007**, 22, 947-954	1.9	39

116	Exploring possible human influences on the evolution of Darwin's finches. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 2258-72	3.8	38
115	Energy use in spawning Atlantic salmon. *Ecology of Freshwater Fish*, **2004**, 13, 185-196	2.1	38
114	A critique for eco-evolutionary dynamics. *Functional Ecology*, **2019**, 33, 84-94	5.6	37
113	Experimental elimination of parasites in nature leads to the evolution of increased resistance in hosts. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20132371	4.4	35
112	Environmental factors influencing adult sex ratio in Trinidadian guppies. *Oecologia*, **2009**, 159, 735-45	2.9	35
111	Testing for mating isolation between ecotypes: laboratory experiments with lake, stream and hybrid stickleback. *Journal of Evolutionary Biology*, **2010**, 23, 2694-708	2.3	34
110	Rapid senescence in pacific salmon. *American Naturalist*, **2005**, 166, 556-68	3.7	34
109	Genetic and Phenotypic Variation through the Migratory Season Provides Evidence for Multiple Populations of Wild Steelhead in the Dean River, British Columbia. *Transactions of the American Fisheries Society*, **2002**, 131, 418-434	1.7	33
108	Genetic evidence for the persistence and divergence of native and introduced sockeye salmon (Oncorhynchus nerka) within Lake Washington, Washington. *Canadian Journal of Fisheries and Aquatic Sciences*, **1996**, 53, 823-832	2.4	33
107	Factors influencing progress toward sympatric speciation. *Journal of Evolutionary Biology*, **2011**, 24, 2186-96	2.3	32
106	Socio-eco-evolutionary dynamics in cities. *Evolutionary Applications*, **2021**, 14, 248-267	4.8	32
105	Evolutionary origins for ecological patterns in space. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 17482-17490	11.5	31
104	Do stressful conditions make adaptation difficult? Guppies in the oil-polluted environments of southern Trinidad. *Evolutionary Applications*, **2015**, 8, 854-70	4.8	30
103	The Complexity of Urban Eco-evolutionary Dynamics. *BioScience*, **2020**, 70, 772-793	5.7	30
102	Human influences on the strength of phenotypic selection. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 10070-10075	11.5	30
101	Evolutionary genetics of immunological supertypes reveals two faces of the Red Queen. *Nature Communications*, **2017**, 8, 1294	17.4	29
100	Evolutionary potential of a large marine vertebrate: quantitative genetic parameters in a wild population. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 1051-67	3.8	29
99	Proximate Composition, Reproductive Development, and a Test for Trade-Offs in Captive Sockeye Salmon. *Transactions of the American Fisheries Society*, **2000**, 129, 1082-1095	1.7	29

98	Adding parasites to the guppy-predation story: insights from field surveys. *Oecologia*, **2013**, 172, 155-66	2.9	28
97	Growth rate differences between resident native brook trout and non-native brown trout. *Journal of Fish Biology*, **2007**, 71, 1430-1447	1.9	28
96	Understanding Maladaptation by Uniting Ecological and Evolutionary Perspectives. *American Naturalist*, **2019**, 194, 495-515	3.7	27
95	How humans differ from other animals in their levels of morphological variation. *PLoS ONE*, **2009**, 4, e6876	3.7	27
94	Can gene flow have negative demographic consequences? Mixed evidence from stream threespine stickleback. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2009**, 364, 1533-42	5.8	27
93	Eco-evolutionary effects on population recovery following catastrophic disturbance. *Evolutionary Applications*, **2011**, 4, 354-66	4.8	26
92	The importance of genomic variation for biodiversity, ecosystems and people. *Nature Reviews Genetics*, **2021**, 22, 89-105	30.1	26
91	Anthropogenic disturbance and evolutionary parameters: a lemon shark population experiencing habitat loss. *Evolutionary Applications*, **2011**, 4, 1-17	4.8	25
90	Evolutionary rescue under environmental change? **2012**, 216-233		25
89	This is not dJ□vu all over again: male guppy colour in a new experimental introduction. *Journal of Evolutionary Biology*, **2007**, 20, 1339-50	2.3	25
88	Eco-evolutionary dynamics: intertwining ecological and evolutionary processes in contemporary time. *F1000 Biology Reports*, **2010**, 2,		24
87	How maladaptation can structure biodiversity: eco-evolutionary island biogeography. *Trends in Ecology and Evolution*, **2015**, 30, 154-60	10.9	23
86	Many-to-one form-to-function mapping weakens parallel morphological evolution. *Evolution; International Journal of Organic Evolution*, **2017**, 71, 2738-2749	3.8	23
85	Recent declines in salmon body size impact ecosystems and fisheries. *Nature Communications*, **2020**, 11, 4155	17.4	23
84	Linking macrotrends and microrates: Re-evaluating microevolutionary support for Cope's rule. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 1345-54	3.8	22
83	An introduction to microevolution: rate, pattern, process. *Genetica*, **2001**, 112-113, 1-8	1.5	22
82	POPULATION MIXING AND THE ADAPTIVE DIVERGENCE OF QUANTITATIVE TRAITS IN DISCRETE POPULATIONS: A THEORETICAL FRAMEWORK FOR EMPIRICAL TESTS. *Evolution; International Journal of Organic Evolution*, **2007**, 55, 459-466	3.8	21
81	Are host-parasite interactions influenced by adaptation to predators? A test with guppies and Gyrodactylus in experimental stream channels. *Oecologia*, **2012**, 170, 77-88	2.9	20

80	Population divergence of private and non-private signals in wild guppies. *Environmental Biology of Fishes*, **2012**, 94, 513-525	1.6	20
79	Evolutionary inferences from the analysis of exchangeability. *Evolution; International Journal of Organic Evolution*, **2013**, 67, 3429-41	3.8	20
78	Characterization of tetranucleotide microsatellite markers in guppy (Poecilia reticulata). *Molecular Ecology Notes*, **2005**, 5, 269-271		20
77	Urbanization erodes niche segregation in Darwin's finches. *Evolutionary Applications*, **2019**, 12, 1329-1343	4.8	20
76	The pace of modern life II: From rates of contemporary microevolution to pattern and process. *Contemporary Issues in Genetics and Evolution*, **2001**, 145-164		19
75	Testing the influence of local forest canopy clearing on phenotypic variation in Trinidadian guppies. *Functional Ecology*, **2010**, 24, 354-364	5.6	18
74	Parallel and nonparallel behavioural evolution in response to parasitism and predation in Trinidadian guppies. *Journal of Evolutionary Biology*, **2016**, 29, 1406-22	2.3	18
73	Testing for local host-parasite adaptation: an experiment with Gyrodactylus ectoparasites and guppy hosts. *International Journal for Parasitology*, **2015**, 45, 409-17	4.3	17
72	Adaptation in temporally variable environments: stickleback armor in periodically breaching bar-built estuaries. *Journal of Evolutionary Biology*, **2018**, 31, 735-752	2.3	17
71	Genetic and plastic components of divergent male intersexual behavior in Misty lake/stream stickleback. *Behavioral Ecology*, **2008**, 19, 1217-1224	2.3	17
70	Adaptive divergence and the evolution of reproductive isolation in the wild: an empirical demonstration using introduced sockeye salmon. *Genetica*, **2001**, 112-113, 515-34	1.5	17
69	Asymmetric reproductive barriers and mosaic reproductive isolation: insights from Misty lake-stream stickleback. *Ecology and Evolution*, **2014**, 4, 1166-75	2.8	16
68	ADAPTIVE DIVERGENCE AND THE BALANCE BETWEEN SELECTION AND GENE FLOW: LAKE AND STREAM STICKLEBACK IN THE MISTY SYSTEM. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 1199	3.8	16
67	Melanin-based coloration and host-parasite interactions under global change. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	16
66	Factors Influencing Progress toward Ecological Speciation. *International Journal of Ecology*, **2012**, 2012, 1-7	1.9	15
65	Divergent Selection and Then What Not: The Conundrum of Missing Reproductive Isolation in Misty Lake and Stream Stickleback. *International Journal of Ecology*, **2012**, 2012, 1-14	1.9	15
64	Both geography and ecology contribute to mating isolation in guppies. *PLoS ONE*, **2010**, 5, e15659	3.7	15
63	Repeatability of Adaptive Radiation Depends on Spatial Scale: Regional Versus Global Replicates of Stickleback in Lake Versus Stream Habitats. *Journal of Heredity*, **2020**, 111, 43-56	2.4	14

62	Heritable gene expression differences between lake and stream stickleback include both parallel and antiparallel components. *Heredity*, **2017**, 119, 339-348	3.6	14
61	Evidence for contemporary and historical gene flow between guppy populations in different watersheds, with a test for associations with adaptive traits. *Ecology and Evolution*, **2019**, 9, 4504-4517	2.8	13
60	Keystone Genes. *Trends in Ecology and Evolution*, **2018**, 33, 689-700	10.9	13
59	Developmental temperature affects phenotypic means and variability: A meta-analysis of fish data. *Fish and Fisheries*, **2019**, 20, 1005-1022	6	13
58	Using adaptive traits to consider potential consequences of temporal variation in selection: male guppy colour through time and space. *Biological Journal of the Linnean Society*, **2014**, 112, 108-122	1.9	13
57	Rheotactic response of fry from beach-spawning populations of sockeye salmon: evolution after selection is relaxed. *Canadian Journal of Zoology*, **1998**, 76, 2186-2193	1.5	13
56	HOW MUCH OF THE VARIATION IN ADAPTIVE DIVERGENCE CAN BE EXPLAINED BY GENE FLOW? AN EVALUATION USING LAKE-STREAM STICKLEBACK PAIRS. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 2319	3.8	13
55	MIGRATORY COSTS AND THE EVOLUTION OF EGG SIZE AND NUMBER IN INTRODUCED AND INDIGENOUS SALMON POPULATIONS. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1656	3.8	13
54	Parting ways: parasite release in nature leads to sex-specific evolution of defence. *Journal of Evolutionary Biology*, **2016**, 29, 23-34	2.3	13
53	Magic traits: distinguishing the important from the trivial. *Trends in Ecology and Evolution*, **2012**, 27, 4-5; author reply 5-6	10.9	12
52	Assessing reproductive isolation using a contact zone between parapatric lake-stream stickleback ecotypes. *Journal of Evolutionary Biology*, **2016**, 29, 2491-2501	2.3	12
51	Host preference of an introduced 'generalist' parasite for a non-native host. *International Journal for Parasitology*, **2015**, 45, 703-9	4.3	11
50	Natural otolith microstructure patterns reveal precise homing to natal incubation sites by sockeye salmon (Oncorhynchus nerka). *Canadian Journal of Zoology*, **1999**, 77, 766-775	1.5	11
49	Testing for parallel allochronic isolation in lake-stream stickleback. *Journal of Evolutionary Biology*, **2016**, 29, 47-57	2.3	10
48	Biodiversity only makes sense in the light of evolution. *Journal of Biosciences*, **2014**, 39, 333-7	2.3	9
47	When maladaptive gene flow does not increase selection. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 2289-302	3.8	9
46	A tale of two morphs: modeling pollen transfer, magic traits, and reproductive isolation in parapatry. *PLoS ONE*, **2014**, 9, e106512	3.7	9
45	Speciation without Pre-Defined Fitness Functions. *PLoS ONE*, **2015**, 10, e0137838	3.7	9

44	Matching habitat choice: it's not for everyone. *Oikos*, **2020**, 129, 689-699	4	8
43	Does sexual selection evolve following introduction to new environments?. *Animal Behaviour*, **2011**, 82, 1085-1095	2.8	8
42	The ecology and evolution of seed predation by Darwin's finches on Tribulus cistoides on the Galapagos Islands. *Ecological Monographs*, **2020**, 90, e01392	9	8
41	100-year time series reveal little morphological change following impoundment and predator invasion in two Neotropical characids. *Evolutionary Applications*, **2019**, 12, 1385-1401	4.8	8
40	Predator-induced Contemporary Evolution, Phenotypic Plasticity, and the Evolution of Reaction Norms in Guppies. *Copeia*, **2017**, 105, 514-522	1.1	7
39	Environmental factors influencing adult sex ratio in Poecilia reticulata: laboratory experiments. *Journal of Fish Biology*, **2011**, 79, 937-53	1.9	7
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