

Michael B Morrissey

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

3,056

citations

28

h-index

55

g-index

75

ext. papers

3,803

ext. citations

6.4

avg, IF

5.63

L-index

#	Paper	IF	Citations
68	An ecologist's guide to the animal model. <i>Journal of Animal Ecology</i> , 2010 , 79, 13-26	4.7	645
67	Precipitation drives global variation in natural selection. <i>Science</i> , 2017 , 355, 959-962	33.3	187
66	The danger of applying the breeder's equation in observational studies of natural populations. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 2277-88	2.3	163
65	Directional selection in temporally replicated studies is remarkably consistent. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 435-42	3.8	156
64	The spatial patterns of directional phenotypic selection. <i>Ecology Letters</i> , 2013 , 16, 1382-92	10	150
63	The maintenance of genetic variation due to asymmetric gene flow in dendritic metapopulations. <i>American Naturalist</i> , 2009 , 174, 875-89	3.7	122
62	pedantics: an r package for pedigree-based genetic simulation and pedigree manipulation, characterization and viewing. <i>Molecular Ecology Resources</i> , 2010 , 10, 711-9	8.4	113
61	Indirect genetics effects and evolutionary constraint: an analysis of social dominance in red deer, <i>Cervus elaphus</i> . <i>Journal of Evolutionary Biology</i> , 2011 , 24, 772-83	2.3	105
60	General Methods for Evolutionary Quantitative Genetic Inference from Generalized Mixed Models. <i>Genetics</i> , 2016 , 204, 1281-1294	4	91
59	The prediction of adaptive evolution: empirical application of the secondary theorem of selection and comparison to the breeder's equation. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 2399-410	3.8	86
58	Meta-analysis of magnitudes, differences and variation in evolutionary parameters. <i>Journal of Evolutionary Biology</i> , 2016 , 29, 1882-1904	2.3	85
57	Physiological Changes in Largemouth Bass Caused by Live-Release Angling Tournaments in Southeastern Ontario. <i>North American Journal of Fisheries Management</i> , 2003 , 23, 760-769	1.1	73
56	Discovery of species-wide tool use in the Hawaiian crow. <i>Nature</i> , 2016 , 537, 403-7	50.4	62
55	Unification of regression-based methods for the analysis of natural selection. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 2094-100	3.8	60
54	Robust estimates of environmental effects on population vital rates: an integrated capture-recapture model of seasonal brook trout growth, survival and movement in a stream network. <i>Journal of Animal Ecology</i> , 2015 , 84, 337-52	4.7	59
53	A framework for power and sensitivity analyses for quantitative genetic studies of natural populations, and case studies in Soay sheep (<i>Ovis aries</i>). <i>Journal of Evolutionary Biology</i> , 2007 , 20, 2309-21 ³	2.3	56
52	Evolution of adaptive diversity and genetic connectivity in Arctic charr (<i>Salvelinus alpinus</i>) in Iceland. <i>Heredity</i> , 2011 , 106, 472-87	3.6	50

51	Selection and evolution of causally covarying traits. <i>Evolution; International Journal of Organic Evolution</i> , 2014 , 68, 1748-61	3.8	49
50	Incidence and Physiological Consequences of Decompression in Smallmouth Bass after Live-Release Angling Tournaments. <i>Transactions of the American Fisheries Society</i> , 2005 , 134, 1038-1047	1.7	44
49	Genetic analysis of life-history constraint and evolution in a wild ungulate population. <i>American Naturalist</i> , 2012 , 179, E97-114	3.7	43
48	What Are the Environmental Determinants of Phenotypic Selection? A Meta-analysis of Experimental Studies. <i>American Naturalist</i> , 2017 , 190, 363-376	3.7	42
47	Fixed-effect variance and the estimation of repeatabilities and heritabilities: issues and solutions. <i>Journal of Evolutionary Biology</i> , 2018 , 31, 621-632	2.3	41
46	Variation in reaction norms: Statistical considerations and biological interpretation. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 1944-59	3.8	39
45	Experimental resource pulses influence social-network dynamics and the potential for information flow in tool-using crows. <i>Nature Communications</i> , 2015 , 6, 7197	17.4	36
44	The potential costs of accounting for genotypic errors in molecular parentage analyses. <i>Molecular Ecology</i> , 2005 , 14, 4111-21	5.7	33
43	A multivariate analysis of genetic constraints to life history evolution in a wild population of red deer. <i>Genetics</i> , 2014 , 198, 1735-49	4	32
42	Phenological and phenotypic changes in Atlantic salmon populations in response to a changing climate. <i>ICES Journal of Marine Science</i> , 2012 , 69, 1686-1698	2.7	30
41	Evolutionary quantitative genetics of nonlinear developmental systems. <i>Evolution; International Journal of Organic Evolution</i> , 2015 , 69, 2050-66	3.8	29
40	The genetic basis of early-life morphological traits and their relation to alternative male reproductive tactics in Atlantic salmon. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 757-68	2.3	27
39	The role of selection and evolution in changing parturition date in a red deer population. <i>PLoS Biology</i> , 2019 , 17, e3000493	9.7	26
38	Individual variation in movement throughout the life cycle of a stream-dwelling salmonid fish. <i>Molecular Ecology</i> , 2011 , 20, 235-48	5.7	25
37	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31969-31978	11.5	24
36	No evidence that warmer temperatures are associated with selection for smaller body sizes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191332	4.4	22
35	Calibrating animal-borne proximity loggers. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 656-667	7.7	20
34	Towards robust evolutionary inference with integral projection models. <i>Journal of Evolutionary Biology</i> , 2017 , 30, 270-288	2.3	19

33	Physiological Responses of Walleyes to Live-Release Angling Tournaments. <i>North American Journal of Fisheries Management</i> , 2003 , 23, 1238-1246	1.1	19
32	Multiple Regression Is Not Multiple Regressions: The Meaning of Multiple Regression and the Non-Problem of Collinearity. <i>Philosophy Theory and Practice in Biology</i> , 2018 , 10,	2	19
31	In search of the best methods for multivariate selection analysis. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 1095-1109	7.7	17
30	Bayesian approaches to the quantitative genetic analysis of natural populations 2014 , 228-253		16
29	Quantification and decomposition of environment-selection relationships. <i>Evolution; International Journal of Organic Evolution</i> , 2018 , 72, 851-866	3.8	14
28	Inference of selection gradients using performance measures as fitness proxies. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 663-677	7.7	13
27	Interplay of robustness and plasticity of life-history traits drives ecotypic differentiation in thermally distinct habitats. <i>Journal of Evolutionary Biology</i> , 2015 , 28, 1057-66	2.3	13
26	Estimation of Genetic Variance in Fitness, and Inference of Adaptation, When Fitness Follows a Log-Normal Distribution. <i>Journal of Heredity</i> , 2019 , 110, 383-395	2.4	12
25	Rejoinder: Further considerations for meta-analysis of transformed quantities such as absolute values. <i>Journal of Evolutionary Biology</i> , 2016 , 29, 1922-1931	2.3	8
24	Analogues of the fundamental and secondary theorems of selection, assuming a log-normal distribution of expected fitness. <i>Journal of Heredity</i> , 2019 , 110, 396-402	2.4	8
23	A test for the genetic basis of natural selection: an individual-based longitudinal study in a stream-dwelling fish. <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 1037-47	3.8	8
22	Multivariate selection and intersexual genetic constraints in a wild bird population. <i>Journal of Evolutionary Biology</i> , 2016 , 29, 2022-2035	2.3	8
21	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. <i>Science</i> , 2022 , 376, 1012-1016	33.3	8
20	Quantifying the causal pathways contributing to natural selection. <i>Evolution; International Journal of Organic Evolution</i> , 2020 , 74, 2560-2574	3.8	7
19	Natural selection for body shape in resource polymorphic Icelandic Arctic charr. <i>Journal of Evolutionary Biology</i> , 2018 , 31, 1498-1512	2.3	6
18	Marker-assisted determination of the relationship between body size and reproductive success and consequences for evaluation of adaptive life histories. <i>Molecular Ecology</i> , 2009 , 18, 4330-40	5.7	6
17	Genetic divergence among broodstocks of Arctic charr <i>Salvelinus alpinus</i> in eastern Canada derived from the same founding populations. <i>Aquaculture Research</i> , 2011 , 42, 1440-1452	1.9	5
16	Exploiting natural history variation: looking to fishes for quantitative genetic models of natural populations. <i>Ecology of Freshwater Fish</i> , 2011 , 20, 328-345	2.1	5

15	A note on simulating null distributions for G matrix comparisons. <i>Evolution; International Journal of Organic Evolution</i> , 2019 , 73, 2512-2517	3.8	3
14	Horn growth appears to decline under intense trophy hunting, but biases in hunt data challenge the interpretation of the evolutionary basis of trends. <i>Evolutionary Applications</i> , 2021 , 14, 1519-1527	4.8	3
13	Revisiting advice on the analysis of count data. <i>Methods in Ecology and Evolution</i> , 2020 , 11, 1133-1140	7.7	2
12	Response to Comment on "Precipitation drives global variation in natural selection". <i>Science</i> , 2018 , 359,	33.3	2
11	Pedigree-Based Estimation of Reproductive Value. <i>Journal of Heredity</i> , 2019 , 110, 433-444	2.4	2
10	Selection of lamb size and early pregnancy in Soay sheep (<i>Ovis aries</i>)		2
9	The distinction between repeatability and correlation in studies of animal behaviour. <i>Animal Behaviour</i> , 2021 , 175, 201-217	2.8	2
8	Causation, not collinearity: Identifying sources of bias when modelling the evolution of brain size and other allometric traits. <i>Evolution Letters</i> ,	5.3	1
7	A synthesis of senescence predictions for indeterminate growth, and support from multiple tests in wild lake trout		1
6	General methods for evolutionary quantitative genetic inference from generalised mixed models		1
5	Evolutionary Quantitative Genetics 2019 , 421-30		1
4	A synthesis of senescence predictions for indeterminate growth, and support from multiple tests in wild lake trout.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022 , 289, 20212146	4.4	0
3	Animal personality adds complexity to the processes of divergence between sympatric morphs of Arctic charr. <i>Animal Behaviour</i> , 2021 , 175, 57-73	2.8	0
2	Re-identification of individuals from images using spot constellations: a case study in Arctic charr (). <i>Royal Society Open Science</i> , 2021 , 8, 201768	3.3	0
1	Multivariate analysis of morphology, behaviour, growth and developmental timing in hybrids brings new insights into the divergence of sympatric Arctic charr morphs. <i>Bmc Ecology and Evolution</i> , 2021 , 21, 170	2.1	0