

Alastair J Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

6,405
citations

81839

39
h-index

74108

75
g-index

113
all docs

113
docs citations

113
times ranked

5985
citing authors

#	ARTICLE	IF	CITATIONS
1	An ecologist's guide to the animal model. <i>Journal of Animal Ecology</i> , 2010, 79, 13-26.	1.3	849
2	What is individual quality? An evolutionary perspective. <i>Trends in Ecology and Evolution</i> , 2010, 25, 207-214.	4.2	348
3	The Misuse of BLUP in Ecology and Evolution. <i>American Naturalist</i> , 2010, 175, 116-125.	1.0	342
4	New Answers for Old Questions: The Evolutionary Quantitative Genetics of Wild Animal Populations. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2008, 39, 525-548.	3.8	297
5	Measuring individual differences in reaction norms in field and experimental studies: a power analysis of random regression models. <i>Methods in Ecology and Evolution</i> , 2011, 2, 362-374.	2.2	289
6	SEX-SPECIFIC GENETIC VARIANCE AND THE EVOLUTION OF SEXUAL DIMORPHISM: A SYSTEMATIC REVIEW OF CROSS-SEX GENETIC CORRELATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 97-107.	1.1	274
7	Avoiding the misuse of BLUP in behavioural ecology. <i>Behavioral Ecology</i> , 2017, 28, 948-952.	1.0	221
8	Fitness consequences of immune responses: strengthening the empirical framework for ecoimmunology. <i>Functional Ecology</i> , 2011, 25, 5-17.	1.7	202
9	CONTRASTING PATTERNS OF PHENOTYPIC PLASTICITY IN REPRODUCTIVE TRAITS IN TWO GREAT TIT (<i>PARUS</i>) Tj ET Oq1 1 0.784314 rg 1.1 148	1.1	148
10	<scp>pedantics:</scp> an <scp>r</scp> package for pedigree-based genetic simulation and pedigree manipulation, characterization and viewing. <i>Molecular Ecology Resources</i> , 2010, 10, 711-719.	2.2	135
11	Ontogeny of Additive and Maternal Genetic Effects: Lessons from Domestic Mammals. <i>American Naturalist</i> , 2006, 167, E23-E38.	1.0	134
12	Indirect genetic effects and the evolution of aggression in a vertebrate system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 533-541.	1.2	133
13	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, 2399-2410.	1.1	119
14	Exploring plasticity in the wild: laying date's temperature reaction norms in the common gull <i>Larus canus</i>. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 687-693.	1.2	116
15	Ontogenetic Patterns in Heritable Variation for Body Size: Using Random Regression Models in a Wild Ungulate Population. <i>American Naturalist</i> , 2005, 166, E177-E192.	1.0	114
16	The evolution of flexible parenting. <i>Science</i> , 2014, 345, 776-781.	6.0	112
17	Natural Selection on Individual Variation in Tolerance of Gastrointestinal Nematode Infection. <i>PLoS Biology</i> , 2014, 12, e1001917.	2.6	104
18	Animal personality as a cause and consequence of contest behaviour. <i>Biology Letters</i> , 2015, 11, 20141007.	1.0	99

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19	Archiving Primary Data: Solutions for Long-Term Studies. <i>Trends in Ecology and Evolution</i> , 2015, 30, 581-589.	4.2	98
20	Epidemiological, Evolutionary, and Coevolutionary Implications of Context-Dependent Parasitism. <i>American Naturalist</i> , 2011, 177, 510-521.	1.0	93
21	Reproductive senescence in female <scp>S</scp>oay sheep: variation across traits and contributions of individual ageing and selective disappearance. <i>Functional Ecology</i> , 2013, 27, 184-195.	1.7	82
22	Ageing in a variable habitat: environmental stress affects senescence in parasite resistance in St Kilda Soay sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3477-3485.	1.2	77
23	Quantitative genetics and sex-specific selection on sexually dimorphic traits in bighorn sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 623-628.	1.2	76
24	Integrating Personality Research and Animal Contest Theory: Aggressiveness in the Green Swordtail <i>Xiphophorus helleri</i> . <i>PLoS ONE</i> , 2011, 6, e28024.	1.1	75
25	Evidence for a Genetic Basis of Aging in Two Wild Vertebrate Populations. <i>Current Biology</i> , 2007, 17, 2136-2142.	1.8	74
26	Exploring the Genetics of Aging in a Wild Passerine Bird. <i>American Naturalist</i> , 2007, 170, 643-650.	1.0	73
27	How should we interpret estimates of individual repeatability?. <i>Evolution Letters</i> , 2018, 2, 4-8.	1.6	72
28	SELECTION ON MOTHERS AND OFFSPRING: WHOSE PHENOTYPE IS IT AND DOES IT MATTER?. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 451-463.	1.1	68
29	Indirect genetic effects: a key component of the genetic architecture of behaviour. <i>Scientific Reports</i> , 2017, 7, 10235.	1.6	64
30	Testing for genetic trade-offs between early- and late-life reproduction in a wild red deer population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 745-750.	1.2	63
31	Interacting with the enemy: indirect effects of personality on conspecific aggression in crickets. <i>Behavioral Ecology</i> , 2016, 27, 1235-1246.	1.0	61
32	Testing the stability of behavioural coping style across stress contexts in the Trinidadian guppy. <i>Functional Ecology</i> , 2018, 32, 424-438.	1.7	60
33	The Impact of Environmental Heterogeneity on Genetic Architecture in a Wild Population of Soay Sheep. <i>Genetics</i> , 2009, 181, 1639-1648.	1.2	58
34	How stable are personalities? A multivariate view of behavioural variation over long and short timescales in the sheephead swordtail, <i>Xiphophorus birchmanni</i> . <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 791-803.	0.6	56
35	How integrated are behavioral and endocrine stress response traits? A repeated measures approach to testing the stressâ€œcoping style model. <i>Ecology and Evolution</i> , 2015, 5, 618-633.	0.8	55
36	Genetic Analysis of Life-History Constraint and Evolution in a Wild Ungulate Population. <i>American Naturalist</i> , 2012, 179, E97-E114.	1.0	52

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37	Causes and consequences of contest outcome: aggressiveness, dominance and growth in the sheephead swordtail, <i>Xiphophorus birchmanni</i> . <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1151-1161.	0.6	45
38	Heritabilities and co-variation among cognitive traits in red junglefowl. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170285.	1.8	45
39	The effects of others's™ genes: maternal and other indirect genetic effects. , 2014, , 84-103.		45
40	Ejaculate-mediated paternal effects: evidence, mechanisms and evolutionary implications. <i>Reproduction</i> , 2019, 157, R109-R126.	1.1	45
41	Behavioural mediators of genetic life-history trade-offs: a test of the pace-of-life syndrome hypothesis in field crickets. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171567.	1.2	39
42	The potential costs of accounting for genotypic errors in molecular parentage analyses. <i>Molecular Ecology</i> , 2005, 14, 4111-4121.	2.0	35
43	Does Breeding Site Fidelity Drive Phenotypic and Genetic Sub-Structuring of a Population of Arctic Charr?. <i>Evolutionary Ecology</i> , 2006, 20, 11-26.	0.5	35
44	Habituation and individual variation in the endocrine stress response in the Trinidadian guppy (<i>Poecilia reticulata</i>). <i>General and Comparative Endocrinology</i> , 2019, 270, 113-122.	0.8	35
45	Cryptic Evolution: Does Environmental Deterioration Have a Genetic Basis?. <i>Genetics</i> , 2011, 187, 1099-1113.	1.2	32
46	Multilevel Selection 3: Modeling the Effects of Interacting Individuals as a Function of Group Size. <i>Genetics</i> , 2007, 177, 667-668.	1.2	31
47	Parallel divergence of sympatric genetic and body size forms of Arctic charr, <i>Salvelinus alpinus</i> , from two Scottish lakes. <i>Biological Journal of the Linnean Society</i> , 0, 95, 748-757.	0.7	28
48	Evidence for Selection-by-Environment but Not Genotype-by-Environment Interactions for Fitness-Related Traits in a Wild Mammal Population. <i>Genetics</i> , 2018, 208, 349-364.	1.2	27
49	Heritability and correlations among learning and inhibitory control traits. <i>Behavioral Ecology</i> , 2020, 31, 798-806.	1.0	27
50	Selection on mothers and offspring: whose phenotype is it and does it matter?. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 451-63.	1.1	27
51	Rock pool fish use a combination of colour change and substrate choice to improve camouflage. <i>Animal Behaviour</i> , 2018, 144, 53-65.	0.8	26
52	Genetic variance for behavioural 'predictability'™ of stress response. <i>Journal of Evolutionary Biology</i> , 2020, 33, 642-652.	0.8	26
53	Environmental transmission of a personality trait: foster parent exploration behaviour predicts offspring exploration behaviour in zebra finches. <i>Biology Letters</i> , 2013, 9, 20130120.	1.0	25
54	SEXUAL CONFLICT AND INTERACTING PHENOTYPES: A QUANTITATIVE GENETIC ANALYSIS OF FECUNDITY AND COPULA DURATION IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1651-1660.	1.1	25

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55	Evolution of both host resistance and tolerance to an emerging bacterial pathogen. <i>Evolution Letters</i> , 2019, 3, 544-554.	1.6	24
56	Sexual selection and population divergence I: The influence of socially flexible cuticular hydrocarbon expression in male field crickets (<i>Teleogryllus oceanicus</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 82-97.	1.1	23
57	AGE-SPECIFIC GENETIC AND MATERNAL EFFECTS IN FECUNDITY OF PREINDUSTRIAL FINNISH WOMEN. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2297-2304.	1.1	22
58	Little evidence for intralocus sexual conflict over the optimal intake of nutrients for life span and reproduction in the black field cricket <i>Teleogryllus commodus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2159-2177.	1.1	22
59	Bacterial dispersal and drift drive microbiome diversity patterns within a population of feral hindgut fermenters. <i>Molecular Ecology</i> , 2021, 30, 555-571.	2.0	22
60	Genetic and environmental variation in condition, cutaneous immunity, and haematocrit in house wrens. <i>BMC Evolutionary Biology</i> , 2014, 14, 242.	3.2	21
61	Sexual selection and population divergence II. Divergence in different sexual traits and signal modalities in field crickets (<i>Teleogryllus oceanicus</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1614-1626.	1.1	20
62	Social effects of territorial neighbours on the timing of spring breeding in North American red squirrels. <i>Journal of Evolutionary Biology</i> , 2019, 32, 559-571.	0.8	20
63	Quantifying selection on standard metabolic rate and body mass in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 130-140.	1.1	17
64	Social competition as a driver of phenotype-environment correlations: implications for ecology and evolution. <i>Biological Reviews</i> , 2021, 96, 2561-2572.	4.7	17
65	Phenotypic and genetic integration of personality and growth under competition in the sheephead swordtail, <i>Xiphophorus birchmanni</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 187-201.	1.1	15
66	Quantitative genetics of gastrointestinal strongyle burden and associated body condition in feral horses. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2019, 9, 104-111.	0.6	15
67	Blood thicker than water: kinship, disease prevalence and group size drive divergent patterns of infection risk in a social mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160798.	1.2	14
68	The role of genetic constraints and social environment in explaining female extra-pair mating. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 544-558.	1.1	14
69	Altruistic bet-hedging and the evolution of cooperation in a Kalahari bird. <i>Science Advances</i> , 2021, 7, eabe8980.	4.7	14
70	Telomere length is highly heritable and independent of growth rate manipulated by temperature in field crickets. <i>Molecular Ecology</i> , 2022, 31, 6128-6140.	2.0	12
71	Racehorses are getting faster. <i>Biology Letters</i> , 2015, 11, 20150310.	1.0	11
72	Opposite environmental and genetic influences on body size in North American <i>Drosophila pseudoobscura</i> . <i>BMC Evolutionary Biology</i> , 2015, 15, 51.	3.2	11

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73	Who dares does not always win: risk-averse rockpool prawns are better at controlling a limited food resource. <i>Animal Behaviour</i> , 2018, 140, 187-197.	0.8	11
74	Analysis of direct and indirect genetic effects in fighting sea anemones. <i>Behavioral Ecology</i> , 2020, 31, 540-547.	1.0	11
75	Genetic integration of behavioural and endocrine components of the stress response. <i>ELife</i> , 2022, 11, .	2.8	11
76	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al.. <i>Trends in Ecology and Evolution</i> , 2016, 31, 85-87.	4.2	10
77	Sensory-based quantification of male colour patterns in Trinidadian guppies reveals no support for parallel phenotypic evolution in multivariate trait space. <i>Molecular Ecology</i> , 2022, 31, 1337-1357.	2.0	10
78	A cost of cryptic female choice in the yellow dung fly. <i>Genetica</i> , 2008, 134, 63-67.	0.5	9
79	Breeding racehorses: what price good genes?. <i>Biology Letters</i> , 2008, 4, 173-175.	1.0	9
80	Island tameness and the repeatability of flight initiation distance in a large herbivore. <i>Canadian Journal of Zoology</i> , 2017, 95, 771-778.	0.4	9
81	Rock pool gobies change their body pattern in response to background features. <i>Biological Journal of the Linnean Society</i> , 2017, 121, 109-121.	0.7	9
82	The challenge of estimating indirect genetic effects on behavior: a comment on Bailey et al.. <i>Behavioral Ecology</i> , 2018, 29, 13-14.	1.0	9
83	Natural selection increases female fitness by reversing the exaggeration of a male sexually selected trait. <i>Nature Communications</i> , 2021, 12, 3420.	5.8	9
84	Desperate Prawns: Drivers of Behavioural Innovation Vary across Social Contexts in Rock Pool Crustaceans. <i>PLoS ONE</i> , 2015, 10, e0139050.	1.1	8
85	Ontogeny of the morphology-performance axis in an amphibious fish (<i>Kryptolebias marmoratus</i>). <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2017, 327, 620-634.	0.9	7
86	Breeding Experience and the Heritability of Female Mate Choice in Collared Flycatchers. <i>PLoS ONE</i> , 2010, 5, e13855.	1.1	7
87	Additive genetic variance of quantitative traits in natural and pond-bred populations of the Lake Tanganyika cichlid <i>Tropheus moorii</i> . <i>Hydrobiologia</i> , 2012, 682, 131-141.	1.0	6
88	Genotype-by-sex-by-diet interactions for nutritional preference, dietary consumption, and lipid deposition in a field cricket. <i>Heredity</i> , 2018, 121, 361-373.	1.2	5
89	Development of G: a test in an amphibious fish. <i>Heredity</i> , 2019, 122, 696-708.	1.2	5
90	The role of indirect genetic effects in the evolution of interacting reproductive behaviors in the burying beetle, <i>Nicrophorus vespilloides</i> . <i>Ecology and Evolution</i> , 2019, 9, 998-1009.	0.8	4

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91	The problem of measuring trait-preference correlations without disrupting them. <i>Behavioral Ecology</i> , 2019, 30, 1518-1521.	1.0	4
92	Differences in the temporal scale of reproductive investment across the slow–fast continuum in a passerine. <i>Ecology Letters</i> , 2022, 25, 1139-1151.	3.0	4
93	Personality, sperm traits and a test for their combined dependence on male condition in guppies. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	4
94	Individual variation and the source-sink group dynamics of extra-group paternity in a social mammal. <i>Behavioral Ecology</i> , 2019, 30, 301-312.	1.0	3
95	Choice consequences: Salinity preferences and hatchling survival in the mangrove rivulus fish (<i>Kryptolebias marmoratus</i>). <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	3
96	Genetic, social and maternal contributions to <i>Mycobacterium bovis</i> infection status in European badgers (<i>Meles meles</i>). <i>Journal of Evolutionary Biology</i> , 2021, 34, 695-709.	0.8	3
97	Evolutionary quantitative genetics of juvenile body size in a population of feral horses reveals sexually antagonistic selection. <i>Evolutionary Ecology</i> , 2019, 33, 567-584.	0.5	2
98	Individual differences in spatial learning are correlated across tasks but not with stress response behaviour in guppies. <i>Animal Behaviour</i> , 2022, 188, 133-146.	0.8	2
99	Linking genetic merit to sparse behavioral data: behavior and genetic effects on lamb growth in Soay sheep. <i>Behavioral Ecology</i> , 0, , .	1.0	1
100	Evidence of fostering in an internally brooding sea anemone. <i>Ethology</i> , 2020, 126, 1141-1147.	0.5	0