

Mark Kirkpatrick

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.

107 papers	13,421 citations	54 h-index	115 g-index
117 ext. papers	15,383 ext. citations	8 avg, IF	6.9 L-index

#	Paper	IF	Citations
107	The evolution of mating preferences and the paradox of the lek. <i>Nature</i> , 1991 , 350, 33-38	50.4	1177
106	Evolution of a species' range. <i>American Naturalist</i> , 1997 , 150, 1-23	3.7	1031
105	Chromosome inversions, local adaptation and speciation. <i>Genetics</i> , 2006 , 173, 419-34	4	698
104	Sex determination: why so many ways of doing it?. <i>PLoS Biology</i> , 2014 , 12, e1001899	9.7	606
103	Speciation by natural and sexual selection: models and experiments. <i>American Naturalist</i> , 2002 , 159 Suppl 3, S22-35	3.7	479
102	SEXUAL SELECTION AND THE EVOLUTION OF FEMALE CHOICE. <i>Evolution; International Journal of Organic Evolution</i> , 1982 , 36, 1-12	3.8	460
101	GENETIC MODELS OF ADAPTATION AND GENE FLOW IN PERIPHERAL POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 21-28	3.8	450
100	THE EVOLUTION OF MATERNAL CHARACTERS. <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 485-503	3.8	400
99	QUANTITATIVE GENETICS AND THE EVOLUTION OF REACTION NORMS. <i>Evolution; International Journal of Organic Evolution</i> , 1992 , 46, 390-411	3.8	395
98	Sexual Selection and the Evolution of Female Choice. <i>Evolution; International Journal of Organic Evolution</i> , 1982 , 36, 1	3.8	377
97	The strength of indirect selection on female mating preferences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 1282-6	11.5	327
96	How and why chromosome inversions evolve. <i>PLoS Biology</i> , 2010 , 8, e1000501	9.7	310
95	What do we need to know about speciation?. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 27-39	10.9	290
94	A quantitative genetic model for growth, shape, reaction norms, and other infinite-dimensional characters. <i>Journal of Mathematical Biology</i> , 1989 , 27, 429-50	2	279
93	The evolution of infidelity in socially monogamous passerines: the strength of direct and indirect selection on extrapair copulation behavior in females. <i>American Naturalist</i> , 2005 , 165 Suppl 5, S26-37	3.7	242
92	Are all sex chromosomes created equal?. <i>Trends in Genetics</i> , 2011 , 27, 350-7	8.5	238
91	Evolution of Female Choice and Male Parental Investment in Polygynous Species: The Demise of the "Sexy Son". <i>American Naturalist</i> , 1985 , 125, 788-810	3.7	235

90	Assortative mating in animals. <i>American Naturalist</i> , 2013 , 181, E125-38	3.7	227
89	When sources become sinks: migrational meltdown in heterogeneous habitats. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 1520-31	3.8	213
88	GOOD GENES AND DIRECT SELECTION IN THE EVOLUTION OF MATING PREFERENCES. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 2125-2140	3.8	202
87	Patterns of quantitative genetic variation in multiple dimensions. <i>Genetica</i> , 2009 , 136, 271-84	1.5	188
86	CAN ONE PREDICT THE EVOLUTION OF QUANTITATIVE CHARACTERS WITHOUT GENETICS?. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 441-444	3.8	170
85	THE DARWIN-FISHER THEORY OF SEXUAL SELECTION IN MONOGAMOUS BIRDS. <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 180-193	3.8	169
84	General models of multilocus evolution. <i>Genetics</i> , 2002 , 161, 1727-50	4	165
83	THE EFFECTS OF GENE FLOW ON REINFORCEMENT. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 1764-1772	3.8	164
82	MEASURING SELECTION AND CONSTRAINT IN THE EVOLUTION OF GROWTH. <i>Evolution; International Journal of Organic Evolution</i> , 1992 , 46, 954-971	3.8	152
81	Estimating the covariance structure of traits during growth and ageing, illustrated with lactation in dairy cattle. <i>Genetical Research</i> , 1994 , 64, 57-69	1.1	151
80	Genetics and evolution of function-valued traits: understanding environmentally responsive phenotypes. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 637-47	10.9	130
79	Inbreeding depression due to mildly deleterious mutations in finite populations: size does matter. <i>Genetical Research</i> , 2000 , 75, 75-81	1.1	128
78	The reinforcement of mating preferences on an island. <i>Genetics</i> , 1999 , 151, 865-84	4	128
77	Reinforcement and divergence under assortative mating. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000 , 267, 1649-55	4.4	127
76	Sexual selection can constrain sympatric speciation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 687-93	4.4	122
75	Sexual selection and sex linkage. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 683-91	3.8	110
74	Transitions between male and female heterogamety caused by sex-antagonistic selection. <i>Genetics</i> , 2010 , 186, 629-45	4	109
73	Selection response in traits with maternal inheritance. <i>Genetical Research</i> , 1990 , 55, 189-97	1.1	109

72	The Handicap Mechanism of Sexual Selection Does Not Work. <i>American Naturalist</i> , 1986 , 127, 222-240	3.7	108
71	Direct estimation of genetic principal components: simplified analysis of complex phenotypes. <i>Genetics</i> , 2004 , 168, 2295-306	4	102
70	The intersexual genetic correlation for lifetime fitness in the wild and its implications for sexual selection. <i>PLoS ONE</i> , 2007 , 2, e744	3.7	94
69	Expansion load and the evolutionary dynamics of a species range. <i>American Naturalist</i> , 2015 , 185, E81-93	3.7	88
68	Coalescent patterns for chromosomal inversions in divergent populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 430-8	5.8	85
67	How do genetic correlations affect species range shifts in a changing environment?. <i>Ecology Letters</i> , 2012 , 15, 251-9	10	78
66	Y fuse? Sex chromosome fusions in fishes and reptiles. <i>PLoS Genetics</i> , 2015 , 11, e1005237	6	75
65	Up hill, down dale: quantitative genetics of curvaceous traits. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 1443-55	5.8	75
64	The genetic sex-determination system predicts adult sex ratios in tetrapods. <i>Nature</i> , 2015 , 527, 91-4	50.4	74
63	Genetic segregation and the maintenance of sexual reproduction. <i>Nature</i> , 1989 , 339, 300-1	50.4	70
62	Reinforcement during ecological speciation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 1259-63	4.4	69
61	RUNAWAY SEXUAL SELECTION WHEN FEMALE PREFERENCES ARE DIRECTLY SELECTED. <i>Evolution; International Journal of Organic Evolution</i> , 2000 , 54, 1862-1869	3.8	68
60	MALE-BIASED MUTATION, SEX LINKAGE, AND THE RATE OF ADAPTIVE EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 437-440	3.8	67
59	Sex-Specific Selection and Sex-Biased Gene Expression in Humans and Flies. <i>PLoS Genetics</i> , 2016 , 12, e1006170	6	66
58	Mate choice rules in animals. <i>Animal Behaviour</i> , 2006 , 71, 1215-1225	2.8	62
57	Restricted maximum likelihood estimation of genetic principal components and smoothed covariance matrices. <i>Genetics Selection Evolution</i> , 2005 , 37, 1-30	4.9	61
56	Reproductive isolation and local adaptation quantified for a chromosome inversion in a malaria mosquito. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 946-58	3.8	60
55	Measuring Selection and Constraint in the Evolution of Growth. <i>Evolution; International Journal of Organic Evolution</i> , 1992 , 46, 954	3.8	59

54	Local adaptation and the evolution of chromosome fusions. <i>Evolution; International Journal of Organic Evolution</i> , 2014 , 68, 2747-56	3.8	57
53	Signatures of sex-antagonistic selection on recombining sex chromosomes. <i>Genetics</i> , 2014 , 197, 531-41	4	54
52	What Animal Breeding Has Taught Us about Evolution. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2010 , 41, 1-19	13.5	53
51	Perils of parsimony: properties of reduced-rank estimates of genetic covariance matrices. <i>Genetics</i> , 2008 , 180, 1153-66	4	50
50	DO PHYLOGENETIC METHODS PRODUCE TREES WITH BIASED SHAPES?. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 1418-1424	3.8	48
49	The evolution of growth trajectories and other complex quantitative characters. <i>Genome</i> , 1989 , 31, 778-834	4	46
48	Chromosomal Speciation in the Genomics Era: Disentangling Phylogenetic Evolution of Rock-wallabies. <i>Frontiers in Genetics</i> , 2017 , 8, 10	4.5	45
47	The Evolution of Genome Structure by Natural and Sexual Selection. <i>Journal of Heredity</i> , 2017 , 108, 3-11	2.4	44
46	Chromosome inversions, adaptive cassettes and the evolution of species' ranges. <i>Molecular Ecology</i> , 2015 , 24, 2046-55	5.7	44
45	Evolutionary rescue by beneficial mutations in environments that change in space and time. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120082	5.8	44
44	Male-biased mutation, sex linkage, and the rate of adaptive evolution. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 437-40	3.8	42
43	Can reinforcement complete speciation?. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 229-39	3.8	38
42	Sex Differences in Recombination in Sticklebacks. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 1971-1983	3.2	37
41	Establishment of new mutations in changing environments. <i>Genetics</i> , 2012 , 191, 895-906	4	36
40	The relationship between intraspecific assortative mating and reproductive isolation between divergent populations. <i>Environmental Epigenetics</i> , 2012 , 58, 484-492	2.4	35
39	Gene flow and the coevolution of parasite range. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 746-54	3.8	32
38	DELETERIOUS MUTATION AND THE EVOLUTION OF GENETIC LIFE CYCLES. <i>Evolution; International Journal of Organic Evolution</i> , 1995 , 49, 512-520	3.8	31
37	The Origin of a New Sex Chromosome by Introgression between Two Stickleback Fishes. <i>Molecular Biology and Evolution</i> , 2019 , 36, 28-38	8.3	30

36	The evolution of hybrid fitness during speciation. <i>PLoS Genetics</i> , 2019 , 15, e1008125	6	29
35	Reinforcement and the genetics of hybrid incompatibilities. <i>Genetics</i> , 2006 , 173, 1145-55	4	28
34	Compensatory Drift and the Evolutionary Dynamics of Dosage-Sensitive Duplicate Genes. <i>Genetics</i> , 2016 , 202, 765-74	4	27
33	Where's the money? Inversions, genes, and the hunt for genomic targets of selection. <i>Genetics</i> , 2012 , 190, 1153-5	4	26
32	Mate choice. <i>Current Biology</i> , 2007 , 17, R313-6	6.3	26
31	Sex chromosomes and male ornaments: a comparative evaluation in ray-finned fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 233-6	4.4	26
30	Extensive Genetic Differentiation between Homomorphic Sex Chromosomes in the Mosquito Vector, <i>Aedes aegypti</i> . <i>Genome Biology and Evolution</i> , 2017 , 9, 2322-2335	3.9	25
29	Long range linkage disequilibrium across the human genome. <i>PLoS ONE</i> , 2013 , 8, e80754	3.7	24
28	Better estimates of genetic covariance matrices by "bending" using penalized maximum likelihood. <i>Genetics</i> , 2010 , 185, 1097-110	4	23
27	Strong reinforcing selection in a Texas wildflower. <i>Current Biology</i> , 2014 , 24, 1995-9	6.3	21
26	Patterns of neutral genetic variation on recombining sex chromosomes. <i>Genetics</i> , 2010 , 184, 1141-52	4	20
25	Runaway sexual selection when female preferences are directly selected. <i>Evolution; International Journal of Organic Evolution</i> , 2000 , 54, 1862-9	3.8	20
24	REINFORCEMENT AND SEX LINKAGE. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 908-921	3.8	19
23	Prezygotic isolation, mating preferences, and the evolution of chromosomal inversions. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 1465-72	3.8	14
22	SEXUAL SELECTION AND SEX LINKAGE. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 683	3.8	14
21	A reciprocal translocation radically reshapes sex-linked inheritance in the common frog. <i>Molecular Ecology</i> , 2019 , 28, 1877-1889	5.7	14
20	Artificial selection on phenotypically plastic traits. <i>Genetical Research</i> , 1999 , 74, 265-70	1.1	10
19	MALE-BIASED MUTATION, SEX LINKAGE, AND THE RATE OF ADAPTIVE EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 437	3.8	9

18	WHEN SOURCES BECOME SINKS: MIGRATIONAL MELTDOWN IN HETEROGENEOUS HABITATS. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 1520	3.8	8
17	Genetic improvement of livestock growth using infinite-dimensional analysis. <i>Animal Biotechnology</i> , 1997 , 8, 55-61	1.4	6
16	The signal of sex-specific selection in humans is not an artefact: Reply to Mank et al. <i>Molecular Ecology</i> , 2020 , 29, 1406-1407	5.7	5
15	Inversions are bigger on the X chromosome. <i>Molecular Ecology</i> , 2019 , 28, 1238-1245	5.7	5
14	GENE FLOW AND THE COEVOLUTION OF PARASITE RANGE. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 746	3.8	5
13	SEX-RATIO SELECTION WITH MIGRATION: DOES FISHER'S RESULT HOLD?. <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 218-221	3.8	5
12	Sexual selection and the evolutionary effects of copying mate choice 1994 , 34, 443		5
11	Limited introgression between rock-wallabies with extensive chromosomal rearrangements. <i>Molecular Biology and Evolution</i> , 2021 ,	8.3	5
10	Contrasting tempos of sex chromosome degeneration in sticklebacks		4
9	Environmental Plasticity in the Intersexual Correlation and Sex Bias of Gene Expression. <i>Journal of Heredity</i> , 2017 , 108, 754-758	2.4	3
8	Sex in diploids. <i>Nature</i> , 1989 , 342, 232-232	50.4	3
7	Heterogeneous Histories of Recombination Suppression on Stickleback Sex Chromosomes. <i>Molecular Biology and Evolution</i> , 2021 , 38, 4403-4418	8.3	3
6	Matrix inversions for chromosomal inversions: a method to construct summary statistics in complex coalescent models. <i>Theoretical Population Biology</i> , 2014 , 97, 1-10	1.2	2
5	Molecular evolution and the decline of purifying selection with age. <i>Nature Communications</i> , 2021 , 12, 2657	17.4	2
4	Evolution of the canonical sex chromosomes of the guppy and its relatives.. <i>G3: Genes, Genomes, Genetics</i> , 2021 ,	3.2	2
3	CHROMOSOME INVERSIONS, ADAPTIVE CASSETTES AND THE EVOLUTION OF SPECIES RANGES 2016 , 175-186		1
2	REINFORCEMENT AND SEX LINKAGE. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 908	3.8	
1	Population Genetics, Molecular Evolution, and the Neutral Theory. Selected Papers of Motoo Kimura. Edited by Naoyuki Takahata. University of Chicago Press, Chicago. 1994. 686 pages. Price: Cloth US\$29.95 £23.95. ISBN 0 226 43562 8.. <i>Genetical Research</i> , 1995 , 66, 179-180	1.1	

