Mark Kirkpatrick

List of Publications by Year in Descending Order

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	Molecular evolution and the decline of purifying selection with age. *Nature Communications*, **2021**, 12, 2657	17.4	2
106	Heterogeneous Histories of Recombination Suppression on Stickleback Sex Chromosomes. *Molecular Biology and Evolution*, **2021**, 38, 4403-4418	8.3	3
105	Limited introgression between rock-wallabies with extensive chromosomal rearrangements. *Molecular Biology and Evolution*, **2021**,	8.3	5
104	Evolution of the canonical sex chromosomes of the guppy and its relatives.. *G3: Genes, Genomes, Genetics*, **2021**,	3.2	2
103	The signal of sex-specific selection in humans is not an artefact: Reply to Mank et al. *Molecular Ecology*, **2020**, 29, 1406-1407	5.7	5
102	The evolution of hybrid fitness during speciation. *PLoS Genetics*, **2019**, 15, e1008125	6	29
101	Inversions are bigger on the X chromosome. *Molecular Ecology*, **2019**, 28, 1238-1245	5.7	5
100	A reciprocal translocation radically reshapes sex-linked inheritance in the common frog. *Molecular Ecology*, **2019**, 28, 1877-1889	5.7	14
99	The Origin of a New Sex Chromosome by Introgression between Two Stickleback Fishes. *Molecular Biology and Evolution*, **2019**, 36, 28-38	8.3	30
98	Sex Differences in Recombination in Sticklebacks. *G3: Genes, Genomes, Genetics*, **2018**, 8, 1971-1983	3.2	37
97	The Evolution of Genome Structure by Natural and Sexual Selection. *Journal of Heredity*, **2017**, 108, 3-11	2.4	44
96	Extensive Genetic Differentiation between Homomorphic Sex Chromosomes in the Mosquito Vector, Aedes aegypti. *Genome Biology and Evolution*, **2017**, 9, 2322-2335	3.9	25
95	Environmental Plasticity in the Intersexual Correlation and Sex Bias of Gene Expression. *Journal of Heredity*, **2017**, 108, 754-758	2.4	3
94	Chromosomal Speciation in the Genomics Era: Disentangling Phylogenetic Evolution of Rock-wallabies. *Frontiers in Genetics*, **2017**, 8, 10	4.5	45
93	CHROMOSOME INVERSIONS, ADAPTIVE CASSETTES AND THE EVOLUTION OF SPECIES RANGES **2016**, 175-186		1
92	Prezygotic isolation, mating preferences, and the evolution of chromosomal inversions. *Evolution; International Journal of Organic Evolution*, **2016**, 70, 1465-72	3.8	14
91	Compensatory Drift and the Evolutionary Dynamics of Dosage-Sensitive Duplicate Genes. *Genetics*, **2016**, 202, 765-74	4	27

90	Sex-Specific Selection and Sex-Biased Gene Expression in Humans and Flies. *PLoS Genetics*, **2016**, 12, e1006170	6	66
89	Y fuse? Sex chromosome fusions in fishes and reptiles. *PLoS Genetics*, **2015**, 11, e1005237	6	75
88	Expansion load and the evolutionary dynamics of a species range. *American Naturalist*, **2015**, 185, E81-93	3.7	88
87	The genetic sex-determination system predicts adult sex ratios in tetrapods. *Nature*, **2015**, 527, 91-4	50.4	74
86	Chromosome inversions, adaptive cassettes and the evolution of species' ranges. *Molecular Ecology* , **2015**, 24, 2046-55	5.7	44
85	Matrix inversions for chromosomal inversions: a method to construct summary statistics in complex coalescent models. *Theoretical Population Biology*, **2014**, 97, 1-10	1.2	2
84	Strong reinforcing selection in a Texas wildflower. *Current Biology*, **2014**, 24, 1995-9	6.3	21
83	Local adaptation and the evolution of chromosome fusions. *Evolution; International Journal of Organic Evolution*, **2014**, 68, 2747-56	3.8	57
82	Sex determination: why so many ways of doing it?. *PLoS Biology*, **2014**, 12, e1001899	9.7	606
81	Signatures of sex-antagonistic selection on recombining sex chromosomes. *Genetics*, **2014**, 197, 531-41	4	54
80	Reproductive isolation and local adaptation quantified for a chromosome inversion in a malaria mosquito. *Evolution; International Journal of Organic Evolution*, **2013**, 67, 946-58	3.8	60
79	Assortative mating in animals. *American Naturalist*, **2013**, 181, E125-38	3.7	227
78	Evolutionary rescue by beneficial mutations in environments that change in space and time. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120082	5.8	44
77	Long range linkage disequilibrium across the human genome. *PLoS ONE*, **2013**, 8, e80754	3.7	24
76	How do genetic correlations affect species range shifts in a changing environment?. *Ecology Letters*, **2012**, 15, 251-9	10	78
75	Establishment of new mutations in changing environments. *Genetics*, **2012**, 191, 895-906	4	36
74	Genetics and evolution of function-valued traits: understanding environmentally responsive phenotypes. *Trends in Ecology and Evolution*, **2012**, 27, 637-47	10.9	130
73	What do we need to know about speciation?. *Trends in Ecology and Evolution*, **2012**, 27, 27-39	10.9	290

72	Can reinforcement complete speciation?. *Evolution; International Journal of Organic Evolution*, **2012**, 66, 229-39	3.8	38
71	Where's the money? Inversions, genes, and the hunt for genomic targets of selection. *Genetics*, **2012**, 190, 1153-5	4	26
70	Coalescent patterns for chromosomal inversions in divergent populations. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 430-8	5.8	85
69	The relationship between intraspecific assortative mating and reproductive isolation between divergent populations. *Environmental Epigenetics*, **2012**, 58, 484-492	2.4	35
68	Are all sex chromosomes created equal?. *Trends in Genetics*, **2011**, 27, 350-7	8.5	238
67	Better estimates of genetic covariance matrices by "bending" using penalized maximum likelihood. *Genetics*, **2010**, 185, 1097-110	4	23
66	Patterns of neutral genetic variation on recombining sex chromosomes. *Genetics*, **2010**, 184, 1141-52	4	20
65	How and why chromosome inversions evolve. *PLoS Biology*, **2010**, 8, e1000501	9.7	310
64	Transitions between male and female heterogamety caused by sex-antagonistic selection. *Genetics*, **2010**, 186, 629-45	4	109
63	What Animal Breeding Has Taught Us about Evolution. *Annual Review of Ecology, Evolution, and Systematics*, **2010**, 41, 1-19	13.5	53
62	Patterns of quantitative genetic variation in multiple dimensions. *Genetica*, **2009**, 136, 271-84	1.5	188
61	Perils of parsimony: properties of reduced-rank estimates of genetic covariance matrices. *Genetics*, **2008**, 180, 1153-66	4	50
60	Mate choice. *Current Biology*, **2007**, 17, R313-6	6.3	26
59	The intersexual genetic correlation for lifetime fitness in the wild and its implications for sexual selection. *PLoS ONE*, **2007**, 2, e744	3.7	94
58	Mate choice rules in animals. *Animal Behaviour*, **2006**, 71, 1215-1225	2.8	62
57	Reinforcement and the genetics of hybrid incompatibilities. *Genetics*, **2006**, 173, 1145-55	4	28
56	Sex chromosomes and male ornaments: a comparative evaluation in ray-finned fishes. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 233-6	4.4	26
55	REINFORCEMENT AND SEX LINKAGE. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 908	3.8	

54	Chromosome inversions, local adaptation and speciation. *Genetics*, **2006**, 173, 419-34	4	698
53	REINFORCEMENT AND SEX LINKAGE. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 908-921	3.8	19
52	The evolution of infidelity in socially monogamous passerines: the strength of direct and indirect selection on extrapair copulation behavior in females. *American Naturalist*, **2005**, 165 Suppl 5, S26-37	3.7	242
51	Restricted maximum likelihood estimation of genetic principal components and smoothed covariance matrices. *Genetics Selection Evolution*, **2005**, 37, 1-30	4.9	61
50	Up hill, down dale: quantitative genetics of curvaceous traits. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2005**, 360, 1443-55	5.8	75
49	Sexual selection can constrain sympatric speciation. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 687-93	4.4	122
48	MALE-BIASED MUTATION, SEX LINKAGE, AND THE RATE OF ADAPTIVE EVOLUTION. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 437	3.8	9
47	SEXUAL SELECTION AND SEX LINKAGE. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 683	3.8	14
46	Direct estimation of genetic principal components: simplified analysis of complex phenotypes. *Genetics*, **2004**, 168, 2295-306	4	102
45	Sexual selection and sex linkage. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 683-91	3.8	110
44	MALE-BIASED MUTATION, SEX LINKAGE, AND THE RATE OF ADAPTIVE EVOLUTION. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 437-440	3.8	67
43	Male-biased mutation, sex linkage, and the rate of adaptive evolution. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 437-40	3.8	42
42	GENE FLOW AND THE COEVOLUTION OF PARASITE RANGE. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 746	3.8	5
41	Gene flow and the coevolution of parasite range. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 746-54	3.8	32
40	Speciation by natural and sexual selection: models and experiments. *American Naturalist*, **2002**, 159 Suppl 3, S22-35	3.7	479
39	General models of multilocus evolution. *Genetics*, **2002**, 161, 1727-50	4	165
38	When sources become sinks: migrational meltdown in heterogeneous habitats. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1520-31	3.8	213
37	WHEN SOURCES BECOME SINKS: MIGRATIONAL MELTDOWN IN HETEROGENEOUS HABITATS. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1520	3.8	8

36	Reinforcement during ecological speciation. *Proceedings of the Royal Society B: Biological Sciences*, **2001**, 268, 1259-63	4.4	69
35	Inbreeding depression due to mildly deleterious mutations in finite populations: size does matter. *Genetical Research*, **2000**, 75, 75-81	1.1	128
34	RUNAWAY SEXUAL SELECTION WHEN FEMALE PREFERENCES ARE DIRECTLY SELECTED. *Evolution; International Journal of Organic Evolution*, **2000**, 54, 1862-1869	3.8	68
33	Runaway sexual selection when female preferences are directly selected. *Evolution; International Journal of Organic Evolution*, **2000**, 54, 1862-9	3.8	20
32	Reinforcement and divergence under assortative mating. *Proceedings of the Royal Society B: Biological Sciences*, **2000**, 267, 1649-55	4.4	127
31	Artificial selection on phenotypically plastic traits. *Genetical Research*, **1999**, 74, 265-70	1.1	10
30	The reinforcement of mating preferences on an island. *Genetics*, **1999**, 151, 865-84	4	128
29	The strength of indirect selection on female mating preferences. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 1282-6	11.5	327
28	GENETIC MODELS OF ADAPTATION AND GENE FLOW IN PERIPHERAL POPULATIONS. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 21-28	3.8	450
27	THE EFFECTS OF GENE FLOW ON REINFORCEMENT. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 1764-1772	3.8	164
26	Genetic improvement of livestock growth using infinite-dimensional analysis. *Animal Biotechnology*, **1997**, 8, 55-61	1.4	6
25	Evolution of a species' range. *American Naturalist*, **1997**, 150, 1-23	3.7	1031
24	GOOD GENES AND DIRECT SELECTION IN THE EVOLUTION OF MATING PREFERENCES. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 2125-2140	3.8	202
23	DO PHYLOGENETIC METHODS PRODUCE TREES WITH BIASED SHAPES?. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 1418-1424	3.8	48
22	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 US29.95 £23.95. ISBN 0 226 43562 8.. *Genetical Research*, **1995**, 66, 179-180	1.1	
21	DELETERIOUS MUTATION AND THE EVOLUTION OF GENETIC LIFE CYCLES. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 512-520	3.8	31
20	Estimating the covariance structure of traits during growth and ageing, illustrated with lactation in dairy cattle. *Genetical Research*, **1994**, 64, 57-69	1.1	151
19	Sexual selection and the evolutionary effects of copying mate choice **1994**, 34, 443		5

18	QUANTITATIVE GENETICS AND THE EVOLUTION OF REACTION NORMS. *Evolution; International Journal of Organic Evolution*, **1992**, 46, 390-411	3.8	395
17	MEASURING SELECTION AND CONSTRAINT IN THE EVOLUTION OF GROWTH. *Evolution; International Journal of Organic Evolution*, **1992**, 46, 954-971	3.8	152
16	Measuring Selection and Constraint in the Evolution of Growth. *Evolution; International Journal of Organic Evolution*, **1992**, 46, 954	3.8	59
15	CAN ONE PREDICT THE EVOLUTION OF QUANTITATIVE CHARACTERS WITHOUT GENETICS?. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 441-444	3.8	170
14	The evolution of mating preferences and the paradox of the lek. *Nature*, **1991**, 350, 33-38	50.4	1177
13	THE DARWIN-FISHER THEORY OF SEXUAL SELECTION IN MONOGAMOUS BIRDS. *Evolution; International Journal of Organic Evolution*, **1990**, 44, 180-193	3.8	169
12	Selection response in traits with maternal inheritance. *Genetical Research*, **1990**, 55, 189-97	1.1	109
11	The evolution of growth trajectories and other complex quantitative characters. *Genome*, **1989**, 31, 778-83	2.4	46
10	Genetic segregation and the maintenance of sexual reproduction. *Nature*, **1989**, 339, 300-1	50.4	70
9	Sex in diploids. *Nature*, **1989**, 342, 232-232	50.4	3
8	A quantitative genetic model for growth, shape, reaction norms, and other infinite-dimensional characters. *Journal of Mathematical Biology*, **1989**, 27, 429-50	2	279
7	THE EVOLUTION OF MATERNAL CHARACTERS. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 485-503	3.8	400
6	SEX-RATIO SELECTION WITH MIGRATION: DOES FISHER'S RESULT HOLD?. *Evolution; International Journal of Organic Evolution*, **1987**, 41, 218-221	3.8	5
5	The Handicap Mechanism of Sexual Selection Does Not Work. *American Naturalist*, **1986**, 127, 222-240	3.7	108
4	Evolution of Female Choice and Male Parental Investment in Polygynous Species: The Demise of the "Sexy Son". *American Naturalist*, **1985**, 125, 788-810	3.7	235
3	SEXUAL SELECTION AND THE EVOLUTION OF FEMALE CHOICE. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 1-12	3.8	460
2	Sexual Selection and the Evolution of Female Choice. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 1	3.8	377
1	Contrasting tempos of sex chromosome degeneration in sticklebacks		4