Mark Kirkpatrick

List of Publications by Year
in descending order

112	16,964	22099	21474
papers	citations	59 h-index	114 g-index

117	117	117	11740
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Limited Introgression between Rock-Wallabies with Extensive Chromosomal Rearrangements. Molecular Biology and Evolution, 2022, 39, .	3.5	17
2	Evolution of the canonical sex chromosomes of the guppy and its relatives. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	13
3	Searching for signatures of sexually antagonistic selection on stickleback sex chromosomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	1.8	15
4	Molecular evolution and the decline of purifying selection with age. Nature Communications, 2021, 12, 2657.	5.8	16
5	Heterogeneous Histories of Recombination Suppression on Stickleback Sex Chromosomes. Molecular Biology and Evolution, 2021, 38, 4403-4418.	3.5	26
6	Strong within-host selection in a maternally inherited obligate symbiont: Buchnera and aphids. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
7	The signal of sexâ€specific selection in humans is not an artefact: Reply to Mank et al.. Molecular Ecology, 2020, 29, 1406-1407.	2.0	11
8	Inversions are bigger on the X chromosome. Molecular Ecology, 2019, 28, 1238-1245.	2.0	13
9	The evolution of hybrid fitness during speciation. PLoS Genetics, 2019, 15, e1008125.	1.5	66
10	A reciprocal translocation radically reshapes sexâ€linked inheritance in the common frog. Molecular Ecology, 2019, 28, 1877-1889.	2.0	30
11	The Origin of a New Sex Chromosome by Introgression between Two Stickleback Fishes. Molecular Biology and Evolution, 2019, 36, 28-38.	3.5	57
12	Sex Differences in Recombination in Sticklebacks. G3: Genes, Genomes, Genetics, 2018, 8, 1971-1983.	0.8	63
13	The Evolution of Genome Structure by Natural and Sexual Selection. Journal of Heredity, 2017, 108, 3-11.	1.0	72
14	Extensive Genetic Differentiation between Homomorphic Sex Chromosomes in the Mosquito Vector, Aedes aegypti. Genome Biology and Evolution, 2017, 9, 2322-2335.	1.1	45
15	Environmental Plasticity in the Intersexual Correlation and Sex Bias of Gene Expression. Journal of Heredity, 2017, 108, 754-758.	1.0	3
16	Chromosomal Speciation in the Genomics Era: Disentangling Phylogenetic Evolution of Rock-wallabies. Frontiers in Genetics, 2017, 8, 10.	1.1	78
17	Prezygotic isolation, mating preferences, and the evolution of chromosomal inversions. Evolution; International Journal of Organic Evolution, 2016, 70, 1465-1472.	1.1	27
18	Compensatory Drift and the Evolutionary Dynamics of Dosage-Sensitive Duplicate Genes. Genetics, 2016, 202, 765-774.	1.2	46

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19	Sex-Specific Selection and Sex-Biased Gene Expression in Humans and Flies. PLoS Genetics, 2016, 12, e1006170.	1.5	109
20	Chromosome inversions, adaptive cassettes and the evolution of species' ranges. Molecular Ecology, 2015, 24, 2046-2055.	2.0	62
21	Y Fuse? Sex Chromosome Fusions in Fishes and Reptiles. PLoS Genetics, 2015, 11, e1005237.	1.5	109
22	Expansion Load and the Evolutionary Dynamics of a Species Range. American Naturalist, 2015, 185, E81-E93.	1.0	137
23	The genetic sex-determination system predicts adult sex ratios in tetrapods. Nature, 2015, 527, 91-94.	13.7	93
24	Sex Determination: Why So Many Ways of Doing It?. PLoS Biology, 2014, 12, e1001899.	2.6	916
25	Signatures of Sex-Antagonistic Selection on Recombining Sex Chromosomes. Genetics, 2014, 197, 531-541.	1.2	76
26	Matrix inversions for chromosomal inversions: A method to construct summary statistics in complex coalescent models. Theoretical Population Biology, 2014, 97, 1-10.	0.5	5
27	Strong Reinforcing Selection in a Texas Wildflower. Current Biology, 2014, 24, 1995-1999.	1.8	29
28	LOCAL ADAPTATION AND THE EVOLUTION OF CHROMOSOME FUSIONS. Evolution; International Journal of Organic Evolution, 2014, 68, 2747-2756.	1.1	94
29	REPRODUCTIVE ISOLATION AND LOCAL ADAPTATION QUANTIFIED FOR A CHROMOSOME INVERSION IN A MALARIA MOSQUITO. Evolution; International Journal of Organic Evolution, 2013, 67, 946-958.	1.1	84
30	Assortative Mating in Animals. American Naturalist, 2013, 181, E125-E138.	1.0	327
31	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.	1.8	58
32	Long Range Linkage Disequilibrium across the Human Genome. PLoS ONE, 2013, 8, e80754.	1.1	45
33	Where's the Money? Inversions, Genes, and the Hunt for Genomic Targets of Selection. Genetics, 2012, 190, 1153-1155.	1.2	32
34	Coalescent patterns for chromosomal inversions in divergent populations. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 430-438.	1.8	115
35	The relationship between intraspecific assortative mating and reproductive isolation between divergent populations. Environmental Epigenetics, 2012, 58, 484-492.	0.9	41
36	Establishment of New Mutations in Changing Environments. Genetics, 2012, 191, 895-906.	1.2	49

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37	Genetics and evolution of function-valued traits: understanding environmentally responsive phenotypes. Trends in Ecology and Evolution, 2012, 27, 637-647.	4.2	176
38	What do we need to know about speciation?. Trends in Ecology and Evolution, 2012, 27, 27-39.	4.2	358
39	CAN REINFORCEMENT COMPLETE SPECIATION?. Evolution; International Journal of Organic Evolution, 2012, 66, 229-239.	1.1	44
40	How do genetic correlations affect species range shifts in a changing environment?. Ecology Letters, 2012, 15, 251-259.	3.0	96
41	Are all sex chromosomes created equal?. Trends in Genetics, 2011, 27, 350-357.	2.9	307
42	Better Estimates of Genetic Covariance Matrices by â€œBendingâ€•Using Penalized Maximum Likelihood. Genetics, 2010, 185, 1097-1110.	1.2	28
43	Patterns of Neutral Genetic Variation on Recombining Sex Chromosomes. Genetics, 2010, 184, 1141-1152.	1.2	25
44	How and Why Chromosome Inversions Evolve. PLoS Biology, 2010, 8, e1000501.	2.6	469
45	Transitions Between Male and Female Heterogamety Caused by Sex-Antagonistic Selection. Genetics, 2010, 186, 629-645.	1.2	166
46	What Animal Breeding Has Taught Us about Evolution. Annual Review of Ecology, Evolution, and Systematics, 2010, 41, 1-19.	3.8	75
47	Patterns of quantitative genetic variation in multiple dimensions. Genetica, 2009, 136, 271-284.	0.5	226
48	In sight of speciation. Nature, 2008, 455, 601-602.	13.7	6
49	Perils of Parsimony: Properties of Reduced-Rank Estimates of Genetic Covariance Matrices. Genetics, 2008, 180, 1153-1166.	1.2	61
50	Mate choice. Current Biology, 2007, 17, R313-R316.	1.8	28
51	The Intersexual Genetic Correlation for Lifetime Fitness in the Wild and Its Implications for Sexual Selection. PLoS ONE, 2007, 2, e744.	1.1	115
52	Chromosome Inversions, Local Adaptation and Speciation. Genetics, 2006, 173, 419-434.	1.2	984
53	REINFORCEMENT AND SEX LINKAGE. Evolution; International Journal of Organic Evolution, 2006, 60, 908-921.	1.1	21
54	Mate choice rules in animals. Animal Behaviour, 2006, 71, 1215-1225.	0.8	71

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55	Reinforcement and the Genetics of Hybrid Incompatibilities. Genetics, 2006, 173, 1145-1155.	1.2	45
56	Sex chromosomes and male ornaments: a comparative evaluation in ray-finned fishes. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 233-236.	1.2	43
57	REINFORCEMENT AND SEX LINKAGE. Evolution; International Journal of Organic Evolution, 2006, 60, 908.	1.1	4
58	Restricted maximum likelihood estimation of genetic principal components and smoothed covariance matrices. Genetics Selection Evolution, 2005, 37, 1-30.	1.2	83
59	Up hill, down dale: quantitative genetics of curvaceous traits. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1443-1455.	1.8	86
60	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, S26-S37.	1.0	272
61	Sexual selection can constrain sympatric speciation. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 687-693.	1.2	142
62	MALE-BIASED MUTATION, SEX LINKAGE, AND THE RATE OF ADAPTIVE EVOLUTION. Evolution; International Journal of Organic Evolution, 2004, 58, 437.	1.1	19
63	SEXUAL SELECTION AND SEX LINKAGE. Evolution; International Journal of Organic Evolution, 2004, 58, 683.	1.1	19
64	Direct Estimation of Genetic Principal Components. Genetics, 2004, 168, 2295-2306.	1.2	124
65	SEXUAL SELECTION AND SEX LINKAGE. Evolution; International Journal of Organic Evolution, 2004, 58, 683-691.	1.1	117
66	MALE-BIASED MUTATION, SEX LINKAGE, AND THE RATE OF ADAPTIVE EVOLUTION. Evolution; International Journal of Organic Evolution, 2004, 58, 437-440.	1.1	83
67	Male-biased mutation, sex linkage, and the rate of adaptive evolution. Evolution; International Journal of Organic Evolution, 2004, 58, 437-40.	1.1	43
68	GENE FLOW AND THE COEVOLUTION OF PARASITE RANGE. Evolution; International Journal of Organic Evolution, 2003, 57, 746-754.	1.1	33
69	GENE FLOW AND THE COEVOLUTION OF PARASITE RANGE. Evolution; International Journal of Organic Evolution, 2003, 57, 746.	1.1	5
70	Speciation by Natural and Sexual Selection: Models and Experiments. American Naturalist, 2002, 159, S22-S35.	1.0	532
71	General Models of Multilocus Evolution. Genetics, 2002, 161, 1727-1750.	1.2	198
72	WHEN SOURCES BECOME SINKS: MIGRATIONAL MELTDOWN IN HETEROGENEOUS HABITATS. Evolution; International Journal of Organic Evolution, 2001, 55, 1520-1531.	1.1	251

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73	WHEN SOURCES BECOME SINKS: MIGRATIONAL MELTDOWN IN HETEROGENEOUS HABITATS. Evolution; International Journal of Organic Evolution, 2001, 55, 1520.	1.1	8
74	Reinforcement during ecological speciation. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1259-1263.	1.2	83
75	Inbreeding depression due to mildly deleterious mutations in finite populations: size does matter. Genetical Research, 2000, 75, 75-81.	0.3	164
76	Fish found in flagrante delicto. Nature, 2000, 408, 298-299.	13.7	42
77	RUNAWAY SEXUAL SELECTION WHEN FEMALE PREFERENCES ARE DIRECTLY SELECTED. Evolution; International Journal of Organic Evolution, 2000, 54, 1862-1869.	1.1	70
78	RUNAWAY SEXUAL SELECTION WHEN FEMALE PREFERENCES ARE DIRECTLY SELECTED. Evolution; International Journal of Organic Evolution, 2000, 54, 1862.	1.1	32
79	Reinforcement and divergence under assortative mating. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1649-1655.	1.2	156
80	Artificial selection on phenotypically plastic traits. Genetical Research, 1999, 74, 265-270.	0.3	13
81	The Reinforcement of Mating Preferences on an Island. Genetics, 1999, 151, 865-884.	1.2	151
82	The strength of indirect selection on female mating preferences. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 1282-1286.	3.3	356
83	GENETIC MODELS OF ADAPTATION AND GENE FLOW IN PERIPHERAL POPULATIONS. Evolution; International Journal of Organic Evolution, 1997, 51, 21-28.	1.1	504
84	THE EFFECTS OF GENE FLOW ON REINFORCEMENT. Evolution; International Journal of Organic Evolution, 1997, 51, 1764-1772.	1.1	174
85	Genetic improvement of livestock growth using infiniteâ€dimensional analysis. Animal Biotechnology, 1997, 8, 55-61.	0.7	6
86	Evolution of a Species' Range. American Naturalist, 1997, 150, 1-23.	1.0	1,202
87	GOOD GENES AND DIRECT SELECTION IN THE EVOLUTION OF MATING PREFERENCES. Evolution; International Journal of Organic Evolution, 1996, 50, 2125-2140.	1.1	215
88	DO PHYLOGENETIC METHODS PRODUCE TREES WITH BIASED SHAPES?. Evolution; International Journal of Organic Evolution, 1996, 50, 1418-1424.	1.1	52
89	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$80.00 Â£63.95 Paper US$29.95 Â£23.95. ISBN 0 226 43562 8.. Genetical Research, 1995, 66, 179-180.	0.3	0
90	DELETERIOUS MUTATION AND THE EVOLUTION OF GENETIC LIFE CYCLES. Evolution; International Journal of Organic Evolution, 1995, 49, 512-520.	1.1	33

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91	DÃ©jÃ vu all over again. Nature, 1995, 377, 388-389.	13.7	12
92	Symmetry without fear. Nature, 1994, 372, 134-135.	13.7	20
93	Estimating the covariance structure of traits during growth and ageing, illustrated with lactation in dairy cattle. Genetical Research, 1994, 64, 57-69.	0.3	174
94	Sexual selection and the evolutionary effects of copying mate choice. Behavioral Ecology and Sociobiology, 1994, 34, 443-449.	0.6	11
95	QUANTITATIVE GENETICS AND THE EVOLUTION OF REACTION NORMS. Evolution; International Journal of Organic Evolution, 1992, 46, 390-411.	1.1	433
96	MEASURING SELECTION AND CONSTRAINT IN THE EVOLUTION OF GROWTH. Evolution; International Journal of Organic Evolution, 1992, 46, 954-971.	1.1	163
97	Measuring Selection and Constraint in the Evolution of Growth. Evolution; International Journal of Organic Evolution, 1992, 46, 954.	1.1	68
98	CAN ONE PREDICT THE EVOLUTION OF QUANTITATIVE CHARACTERS WITHOUT GENETICS?. Evolution; International Journal of Organic Evolution, 1991, 45, 441-444.	1.1	181
99	The evolution of mating preferences and the paradox of the lek. Nature, 1991, 350, 33-38.	13.7	1,324
100	THE DARWINâ€FISHER THEORY OF SEXUAL SELECTION IN MONOGAMOUS BIRDS. Evolution; International Journal of Organic Evolution, 1990, 44, 180-193.	1.1	183
101	Selection response in traits with maternal inheritance. Genetical Research, 1990, 55, 189-197.	0.3	127
102	The evolution of growth trajectories and other complex quantitative characters. Genome, 1989, 31, 778-783.	0.9	53
103	Is bigger always better?. Nature, 1989, 337, 116-117.	13.7	11
104	Genetic segregation and the maintenance of sexual reproduction. Nature, 1989, 339, 300-301.	13.7	86
105	Sex in diploids. Nature, 1989, 342, 232-232.	13.7	3
106	A quantitative genetic model for growth, shape, reaction norms, and other infinite-dimensional characters. Journal of Mathematical Biology, 1989, 27, 429-450.	0.8	350
107	THE EVOLUTION OF MATERNAL CHARACTERS. Evolution; International Journal of Organic Evolution, 1989, 43, 485-503.	1.1	502
108	SEX-RATIO SELECTION WITH MIGRATION: DOES FISHER'S RESULT HOLD?. Evolution; International Journal of Organic Evolution, 1987, 41, 218-221.	1.1	7

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109	The Handicap Mechanism of Sexual Selection Does Not Work. American Naturalist, 1986, 127, 222-240.	1.0	123
110	Evolution of Female Choice and Male Parental Investment in Polygynous Species: The Demise of the "Sexy Son". American Naturalist, 1985, 125, 788-810.	1.0	277
111	SEXUAL SELECTION AND THE EVOLUTION OF FEMALE CHOICE. Evolution; International Journal of Organic Evolution, 1982, 36, 1-12.	1.1	664
112	Sexual Selection and the Evolution of Female Choice. Evolution; International Journal of Organic Evolution, 1982, 36, 1.	1.1	466