

Brian Charlesworth

List of Publications by Year in descending order

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232
papers

26,547
citations

¹¹⁶³⁹
70
h-index

⁸¹⁵⁶
148
g-index

264
all docs

264
docs citations

264
times ranked

16125
citing authors

#	ARTICLE	IF	CITATIONS
1	Rates of Spontaneous Mutation. <i>Genetics</i> , 1998, 148, 1667-1686.	1.2	1,672
2	The evolutionary dynamics of repetitive DNA in eukaryotes. <i>Nature</i> , 1994, 371, 215-220.	13.7	1,504
3	Effective population size and patterns of molecular evolution and variation. <i>Nature Reviews Genetics</i> , 2009, 10, 195-205.	7.7	1,339
4	A Model for the Evolution of Dioecy and Gynodioecy. <i>American Naturalist</i> , 1978, 112, 975-997.	1.0	1,201
5	The degeneration of Y chromosomes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 1563-1572.	1.8	810
6	The evolution of sex chromosomes. <i>Science</i> , 1991, 251, 1030-1033.	6.0	714
7	The effects of local selection, balanced polymorphism and background selection on equilibrium patterns of genetic diversity in subdivided populations. <i>Genetical Research</i> , 1997, 70, 155-174.	0.3	668
8	The genetic basis of inbreeding depression. <i>Genetical Research</i> , 1999, 74, 329-340.	0.3	627
9	The evolution of chromosomal sex determination and dosage compensation. <i>Current Biology</i> , 1996, 6, 149-162.	1.8	502
10	Evolution on the X chromosome: unusual patterns and processes. <i>Nature Reviews Genetics</i> , 2006, 7, 645-653.	7.7	456
11	Mutation-selection balance and the evolutionary advantage of sex and recombination. <i>Genetical Research</i> , 1990, 55, 199-221.	0.3	411
12	GENETICS OF LIFE HISTORY IN <i>DROSOPHILA MELANOGASTER</i> . II. EXPLORATORY SELECTION EXPERIMENTS. <i>Genetics</i> , 1981, 97, 187-196.	1.2	394
13	Direct estimation of per nucleotide and genomic deleterious mutation rates in <i>Drosophila</i> . <i>Nature</i> , 2007, 445, 82-85.	13.7	381
14	The effect of background selection against deleterious mutations on weakly selected, linked variants. <i>Genetical Research</i> , 1994, 63, 213-227.	0.3	370
15	OPTIMIZATION MODELS, QUANTITATIVE GENETICS, AND MUTATION. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 520-538.	1.1	352
16	GENETICS OF LIFE HISTORY IN <i>DROSOPHILA MELANOGASTER</i> . I. SIB ANALYSIS OF ADULT FEMALES. <i>Genetics</i> , 1981, 97, 173-186.	1.2	348
17	On the role of unequal exchange in the containment of transposable element copy number. <i>Genetical Research</i> , 1988, 52, 223-235.	0.3	345
18	The effect of recombination on background selection. <i>Genetical Research</i> , 1996, 67, 159-174.	0.3	311

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19	A test for the role of natural selection in the stabilization of transposable element copy number in a population of <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1987, 49, 31-41.	0.3	300
20	The Effects of Hill-Robertson Interference Between Weakly Selected Mutations on Patterns of Molecular Evolution and Variation. <i>Genetics</i> , 2000, 155, 929-944.	1.2	292
21	The Effects of Deleterious Mutations on Evolution at Linked Sites. <i>Genetics</i> , 2012, 190, 5-22.	1.2	275
22	Background selection and patterns of genetic diversity in <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1996, 68, 131-149.	0.3	269
23	Evolutionary Rates in Partially Self-Fertilizing Species. <i>American Naturalist</i> , 1992, 140, 126-148.	1.0	252
24	Dynamics of inbreeding depression due to deleterious mutations in small populations: mutation parameters and inbreeding rate. <i>Genetical Research</i> , 1999, 74, 165-178.	0.3	249
25	Effects of metapopulation processes on measures of genetic diversity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 1851-1864.	1.8	248
26	Multilocus patterns of nucleotide variability and the demographic and selection history of <i>Drosophila melanogaster</i> populations. <i>Genome Research</i> , 2005, 15, 790-799.	2.4	247
27	The Effects of Genetic and Geographic Structure on Neutral Variation. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2003, 34, 99-125.	3.8	215
28	Patterns of Age-specific Means and Genetic Variances of Mortality Rates Predicted by the Mutation-Accumulation Theory of Ageing. <i>Journal of Theoretical Biology</i> , 2001, 210, 47-65.	0.8	210
29	Reduced adaptation of a non-recombining neo-Y chromosome. <i>Nature</i> , 2002, 416, 323-326.	13.7	208
30	Fisher, Medawar, Hamilton and the Evolution of Aging. <i>Genetics</i> , 2000, 156, 927-931.	1.2	201
31	Optimization Models, Quantitative Genetics, and Mutation. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 520.	1.1	186
32	EFFECTIVE POPULATION SIZE AND THE FASTER-X EFFECT: AN EXTENDED MODEL. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2413-2426.	1.1	181
33	EFFECTIVE POPULATION SIZE AND THE FASTER-X EFFECT: EMPIRICAL RESULTS AND THEIR INTERPRETATION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 663-674.	1.1	181
34	INBREEDING AND OUTBREEDING DEPRESSION IN CAENORHABDITIS NEMATODES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1339-1352.	1.1	179
35	Directional selection and the evolution of sex and recombination. <i>Genetical Research</i> , 1993, 61, 205-224.	0.3	175
36	The sources of adaptive variation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162864.	1.2	174

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37	A genetic analysis of senescence in <i>Drosophila</i> . <i>Nature</i> , 1994, 367, 64-66.	13.7	172
38	Rapid fixation of deleterious alleles can be caused by Muller's ratchet. <i>Genetical Research</i> , 1997, 70, 63-73.	0.3	161
39	A polygenic basis for late-onset disease. <i>Trends in Genetics</i> , 2003, 19, 97-106.	2.9	158
40	Patterns of intron sequence evolution in <i>Drosophila</i> are dependent upon length and GC content. <i>Genome Biology</i> , 2005, 6, R67.	13.9	158
41	Causes of natural variation in fitness: Evidence from studies of <i>Drosophila</i> populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1662-1669.	3.3	157
42	RECOMBINATION MODIFICATION IN A FLUCTUATING ENVIRONMENT. <i>Genetics</i> , 1976, 83, 181-195.	1.2	155
43	The effect of life-history and mode of inheritance on neutral genetic variability. <i>Genetical Research</i> , 2001, 77, 153-166.	0.3	153
44	The Relation between Recombination Rate and Patterns of Molecular Evolution and Variation in <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2014, 31, 1010-1028.	3.5	144
45	A population genetic model for the evolution of synonymous codon usage: patterns and predictions. <i>Genetical Research</i> , 1999, 74, 145-158.	0.3	141
46	The Degeneration of Asexual Haploid Populations and the Speed of Muller's Ratchet. <i>Genetics</i> , 2000, 154, 1379-1387.	1.2	141
47	Reduced efficacy of selection in regions of the <i>Drosophila</i> genome that lack crossing over. <i>Genome Biology</i> , 2007, 8, R18.	13.9	140
48	The effects of deleterious mutations on evolution in non-recombining genomes. <i>Trends in Genetics</i> , 2009, 25, 9-12.	2.9	132
49	Some evolutionary consequences of deleterious mutations. <i>Genetica</i> , 1998, 102/103, 3-19.	0.5	129
50	NEUTRAL GENETIC DIVERSITY IN A METAPOPOPULATION WITH RECURRENT LOCAL EXTINCTION AND RECOLONIZATION. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 664-676.	1.1	129
51	Effective Population Size and Population Subdivision in Demographically Structured Populations. <i>Genetics</i> , 2002, 162, 501-519.	1.2	129
52	The Fate of Transposable Elements in Asexual Populations. <i>Genetics</i> , 2006, 174, 817-827.	1.2	123
53	Chromosome-wide linkage disequilibrium as a consequence of meiotic drive. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1587-1592.	3.3	123
54	The importance of the Neutral Theory in 1968 and 50 years on: A response to Kern and Hahn 2018. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 111-114.	1.1	123

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55	The distribution of transposable elements within and between chromosomes in a population of <i>Drosophila melanogaster</i> . I. Element frequencies and distribution. <i>Genetical Research</i> , 1992, 60, 103-114.	0.3	121
56	Reduced Effectiveness of Selection Caused by a Lack of Recombination. <i>Current Biology</i> , 2009, 19, 655-660.	1.8	121
57	Toward an Evolutionarily Appropriate Null Model: Jointly Inferring Demography and Purifying Selection. <i>Genetics</i> , 2020, 215, 173-192.	1.2	119
58	Estimating Selection on Nonsynonymous Mutations. <i>Genetics</i> , 2006, 172, 1079-1092.	1.2	111
59	A Method for Inferring the Rate of Occurrence and Fitness Effects of Advantageous Mutations. <i>Genetics</i> , 2011, 189, 1427-1437.	1.2	111
60	The distribution of transposable elements within and between chromosomes in a population of <i>Drosophila melanogaster</i> . II. Inferences on the nature of selection against elements. <i>Genetical Research</i> , 1992, 60, 115-130.	0.3	110
61	Muller's Ratchet and the Pattern of Variation at a Neutral Locus. <i>Genetics</i> , 2002, 161, 835-848.	1.2	107
62	Genetic variation in recombination in <i>Drosophila</i> . I. Responses to selection and preliminary genetic analysis. <i>Heredity</i> , 1985, 54, 71-83.	1.2	102
63	The Role of Background Selection in Shaping Patterns of Molecular Evolution and Variation: Evidence from Variability on the <i>Drosophila</i> X Chromosome. <i>Genetics</i> , 2012, 191, 233-246.	1.2	101
64	Genetic analysis of X-linked sterility in hybrids between three sibling species of <i>Drosophila</i> . <i>Heredity</i> , 1989, 62, 97-106.	1.2	96
65	Selection in populations with overlapping generations. I. The use of Malthusian parameters in population genetics. <i>Theoretical Population Biology</i> , 1970, 1, 352-370.	0.5	95
66	Selection in Populations with Overlapping Generations. II. Relations between Gene Frequency and Demographic Variables. <i>American Naturalist</i> , 1972, 106, 388-401.	1.0	95
67	The distribution of transposable elements within and between chromosomes in a population of <i>Drosophila melanogaster</i> . III. Element abundances in heterochromatin. <i>Genetical Research</i> , 1994, 64, 183-197.	0.3	93
68	Faster evolution: Theory and evidence from <i>Drosophila</i> . <i>Molecular Ecology</i> , 2018, 27, 3753-3771.	2.0	91
69	Selection of new inversions in multi-locus genetic systems. <i>Genetical Research</i> , 1973, 21, 167-183.	0.3	89
70	Location of an X-linked factor causing sterility in male hybrids of <i>Drosophila simulans</i> and <i>D. mauritiana</i> . <i>Heredity</i> , 1986, 57, 243-246.	1.2	86
71	Ageing: Levelling of the grim reaper. <i>Current Biology</i> , 1997, 7, R440-R442.	1.8	82
72	Inferring the distribution of mutational effects on fitness in <i>Drosophila</i> . <i>Biology Letters</i> , 2006, 2, 426-430.	1.0	81

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73	A study of ten families of transposable elements on X chromosomes from a population of <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1989, 54, 113-125.	0.3	80
74	The determinants of genetic diversity in butterflies. <i>Nature Communications</i> , 2019, 10, 3466.	5.8	80
75	Neutral Genetic Diversity in a Metapopulation with Recurrent Local Extinction and Recolonization. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 664.	1.1	77
76	Patterns of Genetic Variation at a Chromosome 4 Locus of <i>Drosophila melanogaster</i> and <i>D. simulans</i> . <i>Genetics</i> , 2002, 160, 493-507.	1.2	77
77	The Deficit of Male-Biased Genes on the <i>D. melanogaster</i> X Chromosome Is Expression-Dependent: A Consequence of Dosage Compensation?. <i>Journal of Molecular Evolution</i> , 2009, 68, 576-583.	0.8	76
78	The speed of Muller's ratchet with background selection, and the degeneration of Y chromosomes. <i>Genetical Research</i> , 2001, 78, 149-161.	0.3	75
79	Evolutionary mechanisms of senescence. <i>Genetica</i> , 1993, 91, 11-19.	0.5	74
80	Estimating the parameters of background selection and selective sweeps in <i>Drosophila</i> in the presence of gene conversion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4762-E4771.	3.3	73
81	The Relations Between Recombination Rate and Patterns of Molecular Variation and Evolution in <i>Drosophila</i> . <i>Annual Review of Genetics</i> , 2014, 48, 383-403.	3.2	72
82	Background Selection 20 Years on. <i>Journal of Heredity</i> , 2013, 104, 161-171.	1.0	71
83	The Spread of an Inversion with Migration and Selection. <i>Genetics</i> , 2018, 208, 377-382.	1.2	70
84	Rates of movement of transposable elements on the second chromosome of <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 2000, 75, 275-284.	0.3	67
85	On the Speed of Muller's Ratchet. <i>Genetics</i> , 2000, 156, 2137-2140.	1.2	67
86	Genetic linkage and molecular evolution. <i>Current Biology</i> , 2001, 11, R684-R686.	1.8	66
87	Selection on Codon Usage in <i>Drosophila americana</i> . <i>Current Biology</i> , 2004, 14, 150-154.	1.8	65
88	A STUDY OF LINKAGE DISEQUILIBRIUM IN POPULATIONS OF <i>DROSOPHILA MELANOGASTER</i> . <i>Genetics</i> , 1973, 73, 351-359.	1.2	65
89	Effects of Selection at Linked Sites on Patterns of Genetic Variability. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2021, 52, 177-197.	3.8	64
90	Rates of movement and distribution of transposable elements in <i>Drosophila melanogaster</i> : <i>in situ</i> hybridization vs Southern blotting data. <i>Genetical Research</i> , 2001, 78, 121-136.	0.3	62

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91	Estimating the Parameters of Selection on Nonsynonymous Mutations in <i>Drosophila pseudoobscura</i> and <i>D. miranda</i> . <i>Genetics</i> , 2010, 185, 1381-1396.	1.2	61
92	WHY WE ARE NOT DEAD ONE HUNDRED TIMES OVER. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3354-3361.	1.1	61
93	Reduced Sequence Variability on the NeoY Chromosome of <i>Drosophila americana americana</i> . <i>Genetics</i> , 1999, 153, 221-233.	1.2	61
94	Genome Size: Does Bigger Mean Worse?. <i>Current Biology</i> , 2004, 14, R233-R235.	1.8	60
95	Background Selection in Single Genes May Explain Patterns of Codon Bias. <i>Genetics</i> , 2007, 175, 1381-1393.	1.2	60
96	Recommendations for improving statistical inference in population genomics. <i>PLoS Biology</i> , 2022, 20, e3001669.	2.6	60
97	Transposable elements in natural populations with a mixture of selected and neutral insertion sites. <i>Genetical Research</i> , 1991, 57, 127-134.	0.3	59
98	The Joint Effects of Background Selection and Genetic Recombination on Local Gene Genealogies. <i>Genetics</i> , 2011, 189, 251-266.	1.2	59
99	The effects of spontaneous mutation on quantitative traits. II. Dominance of mutations with effects on life-history traits. <i>Genetical Research</i> , 1997, 70, 27-34.	0.3	58
100	Muller's Ratchet and the Degeneration of the <i>Drosophila miranda</i> Neo-Y Chromosome. <i>Genetics</i> , 2010, 185, 339-348.	1.2	58
101	Resolving the Conflict Between Associative Overdominance and Background Selection. <i>Genetics</i> , 2016, 203, 1315-1334.	1.2	58
102	The Impact of Purifying and Background Selection on the Inference of Population History: Problems and Prospects. <i>Molecular Biology and Evolution</i> , 2021, 38, 2986-3003.	3.5	56
103	Reduced levels of microsatellite variability on the neo-Y chromosome of <i>Drosophila miranda</i> . <i>Current Biology</i> , 2000, 10, 1025-1031.	1.8	55
104	Estimates of the Genomic Mutation Rate for Detrimental Alleles in <i>Drosophila melanogaster</i> Dedicated to the memory of Terami Mukai, whose pioneering paper on mutation accumulation appeared in <i>Genetics</i> 40 years ago.. <i>Genetics</i> , 2004, 167, 815-826.	1.2	55
105	Estimating Selection Intensity on Synonymous Codon Usage in a Nonequilibrium Population. <i>Genetics</i> , 2009, 183, 651-662.	1.2	55
106	The Effects on Neutral Variability of Recurrent Selective Sweeps and Background Selection. <i>Genetics</i> , 2019, 212, 287-303.	1.2	55
107	Studying Patterns of Recent Evolution at Synonymous Sites and Intronic Sites in <i>Drosophila melanogaster</i> . <i>Journal of Molecular Evolution</i> , 2010, 70, 116-128.	0.8	54
108	THE EVOLUTIONARY DYNAMICS OF SEXUALLY ANTAGONISTIC MUTATIONS IN PSEUDOAUTOSOMAL REGIONS OF SEX CHROMOSOMES. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1339-1350.	1.1	53

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109	Inferring the Frequency Spectrum of Derived Variants to Quantify Adaptive Molecular Evolution in Protein-Coding Genes of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2016, 203, 975-984.	1.2	53
110	Accumulation of P elements in minority inversions in natural populations of <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1992, 59, 1-9.	0.3	52
111	The effect of synergistic epistasis on the inbreeding load. <i>Genetical Research</i> , 1998, 71, 85-89.	0.3	52
112	Contrasting Patterns of Molecular Evolution of the Genes on the New and Old Sex Chromosomes of <i>Drosophila miranda</i> . <i>Molecular Biology and Evolution</i> , 2000, 17, 703-717.	3.5	51
113	Biased Gene Conversion Affects Patterns of Codon Usage and Amino Acid Usage in the <i>Saccharomyces sensu stricto</i> Group of Yeasts. <i>Molecular Biology and Evolution</i> , 2011, 28, 117-129.	3.5	51
114	Molecular Evolution in Nonrecombining Regions of the <i>Drosophila melanogaster</i> Genome. <i>Genome Biology and Evolution</i> , 2012, 4, 278-288.	1.1	51
115	An experiment on recombination load in <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1975, 25, 267-273.	0.3	50
116	Selection Intensity on Preferred Codons Correlates with Overall Codon Usage Bias in <i>Caenorhabditis remanei</i> . <i>Current Biology</i> , 2006, 16, 2053-2057.	1.8	48
117	Darwin and Genetics. <i>Genetics</i> , 2009, 183, 757-766.	1.2	48
118	Evolution of Amino-Acid Sequences and Codon Usage on the <i>Drosophila miranda</i> Neo-Sex Chromosomes. <i>Genetics</i> , 2006, 174, 2033-2044.	1.2	47
119	The detection of shared and ancestral polymorphisms. <i>Genetical Research</i> , 2005, 86, 149-157.	0.3	46
120	The Evolution of Chromosomal Sex Determination. <i>Novartis Foundation Symposium</i> , 2008, , 207-224.	1.2	46
121	Stabilizing Selection, Purifying Selection, and Mutational Bias in Finite Populations. <i>Genetics</i> , 2013, 194, 955-971.	1.2	46
122	Patterns of Selection on Synonymous and Nonsynonymous Variants in <i>Drosophila miranda</i> . <i>Genetics</i> , 2005, 169, 1495-1507.	1.2	44
123	Purifying Selection, Drift, and Reversible Mutation with Arbitrarily High Mutation Rates. <i>Genetics</i> , 2014, 198, 1587-1602.	1.2	44
124	Linkage Disequilibrium and Recombination Rate Estimates in the Self-Incompatibility Region of <i>Arabidopsis lyrata</i> . <i>Genetics</i> , 2007, 176, 2357-2369.	1.2	43
125	Codon Usage Bias and Effective Population Sizes on the X Chromosome versus the Autosomes in <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2013, 30, 811-823.	3.5	41
126	Non-neutral processes drive the nucleotide composition of non-coding sequences in <i>Drosophila</i> . <i>Biology Letters</i> , 2008, 4, 438-441.	1.0	40

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127	Patterns of Genetic Variability in Genomic Regions with Low Rates of Recombination. <i>Current Biology</i> , 2020, 30, 94-100.e3.	1.8	39
128	Some evolutionary consequences of deleterious mutations. <i>Contemporary Issues in Genetics and Evolution</i> , 1998, , 3-19.	0.9	39
129	Variation in the intensity of selection on codon bias over time causes contrasting patterns of base composition evolution in <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2017, 9, eww291.	1.1	38
130	Inversion polymorphism in a two-locus genetic system. <i>Genetical Research</i> , 1974, 23, 259-280.	0.3	37
131	The effect of background selection at a single locus on weakly selected, partially linked variants. <i>Genetical Research</i> , 1999, 73, 133-146.	0.3	37
132	The organization and evolution of the human Y chromosome. <i>Genome Biology</i> , 2003, 4, 226.	13.9	37
133	Selection responses of means and inbreeding depression for female fecundity in <i>Drosophila melanogaster</i> suggest contributions from intermediate-frequency alleles to quantitative trait variation. <i>Genetical Research</i> , 2007, 89, 85-91.	0.3	37
134	HALDANE'S RULE REVISITED. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1710-1714.	1.1	36
135	Determinants of Synonymous and Nonsynonymous Variability in Three Species of <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2011, 28, 1731-1743.	3.5	36
136	Recombination Rates May Affect the Ratio of <i>X</i> to Autosomal Noncoding Polymorphism in African Populations of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2009, 181, 1699-1701.	1.2	33
137	Faster-X Effects in Two <i>Drosophila</i> Lineages. <i>Genome Biology and Evolution</i> , 2014, 6, 2968-2982.	1.1	33
138	Rates and Patterns of Chromosomal Evolution in <i>Drosophila pseudoobscura</i> and <i>D. miranda</i> . <i>Genetics</i> , 2006, 173, 779-791.	1.2	31
139	Sex Determination: Primitive Y Chromosomes in Fish. <i>Current Biology</i> , 2004, 14, R745-R747.	1.8	30
140	A Selective Sweep Associated With a Recent Gene Transposition in <i>Drosophila miranda</i> . <i>Genetics</i> , 2000, 156, 1753-1763.	1.2	30
141	The changing sizes of genes. <i>Nature</i> , 1996, 384, 315-316.	13.7	29
142	A multispecies approach for comparing sequence evolution of X-linked and autosomal sites in <i>Drosophila</i> . <i>Genetical Research</i> , 2008, 90, 421-431.	0.3	29
143	Evidence for Selection at the <i>fused1</i> Locus of <i>Drosophila americana</i> . <i>Genetics</i> , 2001, 158, 279-290.	1.2	29
144	A Survey of Chromosomal and Nucleotide Sequence Variation in <i>Drosophila miranda</i> . <i>Genetics</i> , 2003, 164, 1369-1381.	1.2	29

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145	The measurement of fitness and mutation rate in human populations. <i>Annals of Human Genetics</i> , 1973, 37, 175-187.	0.3	28
146	Genetic divergence between transposable elements. <i>Genetical Research</i> , 1986, 48, 111-118.	0.3	28
147	NO ASSOCIATION BETWEEN MITOCHONDRIAL DNA HAPLOTYPES AND A FEMALE-LIMITED MIMICRY PHENOTYPE IN <i>PAPILIO GLAUCUS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 305-316.	1.1	28
148	The Effects of Demography and Linkage on the Estimation of Selection and Mutation Parameters. <i>Genetics</i> , 2010, 186, 1411-1424.	1.2	27
149	Sequence variation: Looking for effects of genetic linkage. <i>Current Biology</i> , 1998, 8, R658-R661.	1.8	26
150	Effective population size. <i>Current Biology</i> , 2002, 12, R716-R717.	1.8	25
151	A hitch-hiking guide to the genome: a commentary on "The hitch-hiking effect of a favourable gene"™ by John Maynard Smith and John Haigh. <i>Genetical Research</i> , 2007, 89, 389-390.	0.3	25
152	Molecular population genomics: a short history. <i>Genetical Research</i> , 2010, 92, 397-411.	0.3	25
153	Mutational load, inbreeding depression and heterosis in subdivided populations. <i>Molecular Ecology</i> , 2018, 27, 4991-5003.	2.0	25
154	How was the <i>Sdc</i> gene fixed?. <i>Nature</i> , 1999, 400, 519-520.	13.7	24
155	Patterns of Molecular Variation and Evolution in <i>Drosophila americana</i> and Its Relatives. <i>Genetics</i> , 2007, 176, 2293-2305.	1.2	24
156	How Can We Resolve Lewontin's Paradox?. <i>Genome Biology and Evolution</i> , 2022, 14, .	1.1	24
157	New genes sweep clean. <i>Nature</i> , 1992, 356, 475-476.	13.7	23
158	How Long Does It Take to Fix a Favorable Mutation, and Why Should We Care?. <i>American Naturalist</i> , 2020, 195, 753-771.	1.0	23
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