Sarah Otto

List of Publications by Year
in descending order

184 papers	19,830 citations	15504 65 h-index	14208 128 g-index
205 all docs	205 docs citations	205 times ranked	19307 citing authors

#	Article	IF	Citations
1	POLYPLOID INCIDENCE AND EVOLUTION. Annual Review of Genetics, 2000, 34, 401-437.	7.6	2,008
2	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
3	The Evolutionary Consequences of Polyploidy. Cell, 2007, 131, 452-462.	28.9	950
4	Estimating a Binary Character's Effect on Speciation and Extinction. Systematic Biology, 2007, 56, 701-710.	5.6	933
5	Sex Determination: Why So Many Ways of Doing It?. PLoS Biology, 2014, 12, e1001899.	5.6	916
6	Resolving the paradox of sex and recombination. Nature Reviews Genetics, 2002, 3, 252-261.	16.3	679
7	Estimating Trait-Dependent Speciation and Extinction Rates from Incompletely Resolved Phylogenies. Systematic Biology, 2009, 58, 595-611.	5.6	495
8	Relaxed selection in the wild. Trends in Ecology and Evolution, 2009, 24, 487-496.	8.7	495
9	The Evolutionary Enigma of Sex. American Naturalist, 2009, 174, S1-S14.	2.1	465
10	Recently Formed Polyploid Plants Diversify at Lower Rates. Science, 2011, 333, 1257-1257.	12.6	424
11	Interference among deleterious mutations favours sex and recombination in finite populations. Nature, 2006, 443, 89-92.	27.8	328
12	The Probability of Fixation in Populations of Changing Size. Genetics, 1997, 146, 723-733.	2.9	293
13	The Evolution of Recombination: Removing the Limits to Natural Selection. Genetics, 1997, 147, 879-906.	2.9	248
14	The origins and potential future of SARS-CoV-2 variants of concern in the evolving COVID-19 pandemic. Current Biology, 2021, 31, R918-R929.	3.9	246
15	Species Interactions and the Evolution of Sex. Science, 2004, 304, 1018-1020.	12.6	223
16	SELECTION FOR RECOMBINATION IN SMALL POPULATIONS. Evolution; International Journal of Organic Evolution, 2001, 55, 1921-1931.	2.3	208
17	ESTABLISHMENT AND MAINTENANCE OF ADAPTIVE GENETIC DIVERGENCE UNDER MIGRATION, SELECTION, AND DRIFT. Evolution; International Journal of Organic Evolution, 2011, 65, 2123-2129.	2.3	203
18	Adaptive epigenetic memory of ancestral temperature regime inArabidopsis thalianaThis paper is one of a selection of papers published in a Special Issue from the National Research Council of Canada â€“ Plant Biotechnology Institute.. Botany, 2009, 87, 650-657.	1.0	202

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19	Genomic Convergence toward Diploidy in Saccharomyces cerevisiae. PLoS Genetics, 2006, 2, e145.	3.5	193
20	Probabilistic Models of Chromosome Number Evolution and the Inference of Polyploidy. Systematic Biology, 2010, 59, 132-144.	5.6	190
21	About PAR: The distinct evolutionary dynamics of the pseudoautosomal region. Trends in Genetics, 2011, 27, 358-367.	6.7	184
22	The evolution of life cycles with haploid and diploid phases. BioEssays, 1998, 20, 453-462.	2.5	178
23	Two steps forward, one step back: the pleiotropic effects of favoured alleles. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 705-714.	2.6	177
24	Deleterious Mutations, Variable Epistatic Interactions, and the Evolution of Recombination. Theoretical Population Biology, 1997, 51, 134-147.	1.1	175
25	The evolution of recombination in changing environments. Trends in Ecology and Evolution, 1998, 13, 145-151.	8.7	174
26	The Dynamic Nature of Apomixis in the Angiosperms. International Journal of Plant Sciences, 2008, 169, 169-182.	1.3	173
27	The Evolution of Recombination in a Heterogeneous Environment. Genetics, 2000, 156, 423-438.	2.9	170
28	Evolution of Recombination Due to Random Drift. Genetics, 2005, 169, 2353-2370.	2.9	169
29	COMPENSATING FOR OUR LOAD OF MUTATIONS: FREEZING THE MELTDOWN OF SMALL POPULATIONS. Evolution; International Journal of Organic Evolution, 2000, 54, 1467-1479.	2.3	165
30	Phylogenetic analysis of the ecological correlates of dioecy in angiosperms. Journal of Evolutionary Biology, 2003, 16, 1006-1018.	1.7	163
31	On the evolutionary epidemiology of SARS-CoV-2. Current Biology, 2020, 30, R849-R857.	3.9	160
32	POPULATION GENETIC PERSPECTIVES ON THE EVOLUTION OF RECOMBINATION. Annual Review of Genetics, 1996, 30, 261-295.	7.6	157
33	Specialization and generalization in the diversification of phytophagous insects: tests of the musical chairs and oscillation hypotheses. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132960.	2.6	157
34	Detecting the Undetected: Estimating the Total Number of Loci Underlying a Quantitative Trait. Genetics, 2000, 156, 2093-2107.	2.9	144
35	Use of Ecotilling as an efficient SNP discovery tool to survey genetic variation in wild populations of Populus trichocarpa. Molecular Ecology, 2006, 15, 1367-1378.	3.9	140
36	Frequency-Dependent Selection and the Evolution of Assortative Mating. Genetics, 2008, 179, 2091-2112.	2.9	133

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37	Ecology and the Evolution of Biphasic Life Cycles. American Naturalist, 1999, 154, 306-320.	2.1	132
38	16 The evolution of gene duplicates. Advances in Genetics, 2002, 46, 451-483.	1.8	131
39	Sexual Selection Can Resolve Sex-Linked Sexual Antagonism. Science, 2005, 310, 119-121.	12.6	127
40	The genome-wide rate and spectrum of spontaneous mutations differ between haploid and diploid yeast. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5046-E5055.	7.1	122
41	Adaptation, speciation and extinction in the Anthropocene. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20182047.	2.6	121
42	Evidence That Plant-Like Genes in Chlamydia Species Reflect an Ancestral Relationship between Chlamydiaceae, Cyanobacteria, and the Chloroplast. Genome Research, 2002, 12, 1159-1167.	5.5	114
43	Y Fuse? Sex Chromosome Fusions in Fishes and Reptiles. PLoS Genetics, 2015, 11, e1005237.	3.5	109
44	The evolution of haploidy and diploidy. Current Biology, 2008, 18, R1121-R1124.	3.9	103
45	Ploidy and the Causes of Genomic Evolution. Journal of Heredity, 2009, 100, 571-581.	2.4	103
46	THE CONSEQUENCES OF DIOECY FOR SEED DISPERSAL: MODELING THE SEED-SHADOW HANDICAP. Evolution; International Journal of Organic Evolution, 2001, 55, 880.	2.3	101
47	Aging in a Long-Lived Clonal Tree. PLoS Biology, 2010, 8, e1000454.	5.6	101
48	Detecting the form of selection from DNA sequence data. Trends in Genetics, 2000, 16, 526-529.	6.7	96
49	The Evolution of Sex and Recombination in Response to Abiotic or Coevolutionary Fluctuations in Epistasis. Genetics, 2007, 175, 1835-1853.	2.9	96
50	Can clone size serve as a proxy for clone age?An exploration using microsatellite divergence in Populus tremuloides. Molecular Ecology, 2008, 17, 4897-4911.	3.9	93
51	Linking the Investigations of Character Evolution and Species Diversification. American Naturalist, 2012, 180, 225-245.	2.1	92
52	Mutation and selection within the individual. Genetica, 1998, 102/103, 507-524.	1.1	90
53	Evolutionary Rescue in Structured Populations. American Naturalist, 2014, 183, E17-E35.	2.1	90
54	When looks can kill: the evolution of sexually dimorphic floral display and the extinction of dioecious plants. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1187-1194.	2.6	89

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55	Selection for Recombination in Structured Populations. Genetics, 2006, 172, 593-609.	2.9	89
56	Haploids adapt faster than diploids across a range of environments. Journal of Evolutionary Biology, 2011, 24, 531-540.	1.7	89
57	Balanced Polymorphisms and the Evolution of Dominance. American Naturalist, 1999, 153, 561-574.	2.1	88
58	Why have sex? The population genetics of sex and recombination. Biochemical Society Transactions, 2006, 34, 519-522.	3.4	87
59	RECOMBINATION AND HITCHHIKING OF DELETERIOUS ALLELES. Evolution; International Journal of Organic Evolution, 2011, 65, 2421-2434.	2.3	86
60	Sexual selection enables long-term coexistence despite ecological equivalence. Nature, 2012, 484, 506-509.	27.8	85
61	The Role of Local Species Abundance in the Evolution of Pollinator Attraction in Flowering Plants. American Naturalist, 2006, 167, 67-80.	2.1	84
62	Methods for studying polyploid diversification and the dead end hypothesis: a reply to Soltis etÂal. (2014). New Phytologist, 2015, 206, 27-35.	7.3	82
63	Masking and purging mutations following EMS treatment in haploid, diploid and tetraploid yeast (Saccharomyces cerevisiae). Genetical Research, 2001, 77, 9-26.	0.9	80
64	The magnitude of local adaptation under genotypeâ€dependent dispersal. Ecology and Evolution, 2013, 3, 4722-4735.	1.9	80
65	Crossover Interference: Shedding Light on the Evolution of Recombination. Annual Review of Genetics, 2019, 53, 19-44.	7.6	74
66	The Advantages of Segregation and the Evolution of Sex. Genetics, 2003, 164, 1099-1118.	2.9	74
67	Host-parasite interactions and the evolution of ploidy. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11036-11039.	7.1	73
68	Widespread Genetic Incompatibilities between First-Step Mutations during Parallel Adaptation of Saccharomyces cerevisiae to a Common Environment. PLoS Biology, 2017, 15, e1002591.	5.6	72
69	Mitotic recombination counteracts the benefits of genetic segregation. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1301-1307.	2.6	70
70	Macroevolutionary synthesis of flowering plant sexual systems. Evolution; International Journal of Organic Evolution, 2017, 71, 898-912.	2.3	68
71	Gene Functional Trade-Offs and the Evolution of Pleiotropy. Genetics, 2012, 192, 1389-1409.	2.9	64
72	The Evolution of Plastic Recombination. Genetics, 2005, 171, 803-812.	2.9	63

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73	Mating systems and the evolutionary transition between haploidy and diploidy. Biological Journal of the Linnean Society, 1996, 57, 197-218.	1.6	62
74	SELECTION FOR RECOMBINATION IN SMALL POPULATIONS. Evolution; International Journal of Organic Evolution, 2001, 55, 1921.	2.3	62
75	Evolution of Sex Determination in the Conchostracan Shrimp Eulimnadia texana. American Naturalist, 1993, 141, 329-337.	2.1	61
76	The Evolution of Condition-Dependent Sex in the Face of High Costs. Genetics, 2007, 176, 1713-1727.	2.9	60
77	Macroevolutionary Patterns of Flowering Plant Speciation and Extinction. Annual Review of Plant Biology, 2018, 69, 685-706.	18.7	60
78	The Evolutionary Consequences of Selection at the Haploid Gametic Stage. American Naturalist, 2018, 192, 241-249.	2.1	58
79	Waiting with and without Recombination: The Time to Production of a Double Mutant. Theoretical Population Biology, 1998, 53, 199-215.	1.1	57
80	Ploidy reduction in Saccharomyces cerevisiae. Biology Letters, 2008, 4, 91-94.	2.3	57
81	LOSS OF SEXUAL RECOMBINATION AND SEGREGATION IS ASSOCIATED WITH INCREASED DIVERSIFICATION IN EVENING PRIMROSES. Evolution; International Journal of Organic Evolution, 2011, 65, 3230-3240.	2.3	56
82	Parallel Genetic Changes and Nonparallel Geneâ€“Environment Interactions Characterize the Evolution of Drug Resistance in Yeast. Genetics, 2012, 192, 241-252.	2.9	55
83	Multiple reproductive barriers separate recently diverged sunflower ecotypes. Evolution; International Journal of Organic Evolution, 2016, 70, 2322-2335.	2.3	53
84	When Predators Help Prey Adapt and Persist in a Changing Environment. American Naturalist, 2017, 190, 83-98.	2.1	52
85	Cryptic Fitness Advantage: Diploids Invade Haploid Populations Despite Lacking Any Apparent Advantage as Measured by Standard Fitness Assays. PLoS ONE, 2011, 6, e26599.	2.5	50
86	COMPENSATING FOR OUR LOAD OF MUTATIONS: FREEZING THE MELTDOWN OF SMALL POPULATIONS. Evolution; International Journal of Organic Evolution, 2000, 54, 1467.	2.3	49
87	Effect of Varying Epistasis on the Evolution of Recombination. Genetics, 2006, 173, 589-597.	2.9	48
88	The Distribution of Beneficial Mutant Effects Under Strong Selection. Genetics, 2006, 174, 2071-2079.	2.9	47
89	Evolution of haploid selection in predominantly diploid organisms. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15952-15957.	7.1	45
90	Too Much of a Good Thing: The Unique and Repeated Paths Toward Copper Adaptation. Genetics, 2015, 199, 555-571.	2.9	43

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91	The Role of Advantageous Mutations in Enhancing the Evolution of a Recombination Modifier. Genetics, 2010, 184, 1153-1164.	2.9	42
92	Conditionâ€Dependent Sex and the Rate of Adaptation. American Naturalist, 2009, 174, S71-S78.	2.1	41
93	EVOLUTION: Haploids-Hapless or Happening?. Science, 2001, 292, 2441-2443.	12.6	40
94	PLOIDALLY ANTAGONISTIC SELECTION MAINTAINS STABLE GENETIC POLYMORPHISM. Evolution; International Journal of Organic Evolution, 2012, 66, 55-65.	2.3	39
95	Phylogenetic evidence for cladogenetic polyploidization in land plants. American Journal of Botany, 2016, 103, 1252-1258.	1.7	39
96	The evolution of sex chromosomes in organisms with separate haploid sexes. Evolution; International Journal of Organic Evolution, 2015, 69, 694-708.	2.3	37
97	Dioecy does not consistently accelerate or slow lineage diversification across multiple genera of angiosperms. New Phytologist, 2016, 209, 1290-1300.	7.3	37
98	Selective Interference and the Evolution of Sex. Journal of Heredity, 2021, 112, 9-18.	2.4	37
99	A Likelihood Method for Detecting Trait-Dependent Shifts in the Rate of Molecular Evolution. Molecular Biology and Evolution, 2011, 28, 759-770.	8.9	34
100	Mutating away from your enemies: The evolution of mutation rate in a hostâ€“parasite system. Theoretical Population Biology, 2009, 75, 301-311.	1.1	33
101	Adaptation to elevated CO2 in different biodiversity contexts. Nature Communications, 2016, 7, 12358.	12.8	33
102	Evolutionary dynamics of a quantitative trait in a finite asexual population. Theoretical Population Biology, 2016, 108, 75-88.	1.1	33
103	Hostâ€“Parasite Interactions and the Evolution of Gene Expression. PLoS Biology, 2005, 3, e203.	5.6	33
104	When do hostâ€“parasite interactions drive the evolution of nonâ€random mating?. Ecology Letters, 2008, 11, 937-946.	6.4	31
105	Evolution of sex: Using experimental genomics to select among competing theories. BioEssays, 2016, 38, 751-757.	2.5	31
106	Haploid selection, sex ratio bias, and transitions between sex-determining systems. PLoS Biology, 2018, 16, e2005609.	5.6	31
107	Hostâ€Parasite Coevolution and Selection on Sex through the Effects of Segregation. American Naturalist, 2006, 168, 617-629.	2.1	30
108	Contrasting Patterns of Transposable-Element Insertion Polymorphism and Nucleotide Diversity in Autotetraploid and Allotetraploid Arabidopsis Species. Genetics, 2008, 179, 581-592.	2.9	29

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109	Evolution of movement rate increases the effectiveness of marine reserves for the conservation of pelagic fishes. Evolutionary Applications, 2017, 10, 444-461.	3.1	29
110	Keeping Pace with the Red Queen: Identifying the Genetic Basis of Susceptibility to Infectious Disease. Genetics, 2018, 208, 779-789.	2.9	29
111	Canada at a crossroad: The imperative for realigning ocean policy with ocean science. Marine Policy, 2016, 63, 53-60.	3.2	28
112	A Comparative Approach to the Population-Genetics Theory of Segregation Distortion. American Naturalist, 1991, 137, 443-456.	2.1	28
113	ON EVOLUTION UNDER SEXUAL AND VIABILITY SELECTION: A TWOâ€LOCUS DIPLOID MODEL. Evolution; International Journal of Organic Evolution, 1991, 45, 1443-1457.	2.3	27
114	The Evolution of Offspring Size across Life-History Stages. American Naturalist, 2014, 184, 543-555.	2.1	27
115	The panda and the phage: compensatory mutations and the persistence of small populations. Trends in Ecology and Evolution, 1999, 14, 295-296.	8.7	25
116	THE EVOLUTION OF GENOMIC BASE COMPOSITION IN BACTERIA. Evolution; International Journal of Organic Evolution, 2003, 57, 1783-1792.	2.3	25
117	In polyploids, one plus one does not equal two. Trends in Ecology and Evolution, 2003, 18, 431-433.	8.7	25
118	A MODEL OF THE EVOLUTION OF DICHOGAMY INCORPORATING SEX-RATIO SELECTION, ANTHER-STIGMA INTERFERENCE, AND INBREEDING DEPRESSION. Evolution; International Journal of Organic Evolution, 2006, 60, 934-944.	2.3	25
119	Insights from Fisher's geometric model on the likelihood of speciation under different histories of environmental change. Evolution; International Journal of Organic Evolution, 2020, 74, 1603-1619.	2.3	24
120	The role of epistasis on the evolution of recombination in hostâ€“parasite coevolution. Theoretical Population Biology, 2009, 75, 1-13.	1.1	23
121	Selective maintenance of recombination between the sex chromosomes. Journal of Evolutionary Biology, 2014, 27, 1431-1442.	1.7	23
122	The red queen coupled with directional selection favours the evolution of sex. Journal of Evolutionary Biology, 2012, 25, 797-802.	1.7	22
123	Women in evolution â€“ highlighting the changing face of evolutionary biology. Evolutionary Applications, 2016, 9, 3-16.	3.1	22
124	Joint coevolutionaryâ€“epidemiological models dampen Red Queen cycles and alter conditions for epidemics. Theoretical Population Biology, 2018, 122, 137-148.	1.1	22
125	DIFFERENTIAL SELECTION BETWEEN THE SEXES AND SELECTION FOR SEX. Evolution; International Journal of Organic Evolution, 2012, 66, 558-574.	2.3	21
126	The Role of Pleiotropy in the Maintenance of Sex in Yeast. Genetics, 2007, 175, 1419-1427.	2.9	20

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127	VARIATION IN THE STRENGTH OF MALE MATE CHOICE ALLOWS LONG-TERM COEXISTENCE OF SPERM-DEPENDENT ASEXUALS AND THEIR SEXUAL HOSTS. Evolution; International Journal of Organic Evolution, 2010, 64, no-no.	2.3	20
128	Haploid Selection Favors Suppressed Recombination Between Sex Chromosomes Despite Causing Biased Sex Ratios. Genetics, 2017, 207, 1631-1649.	2.9	20
129	Genetic control of invasive plants species using selfish genetic elements. Evolutionary Applications, 2009, 2, 555-569.	3.1	19
130	The Evolution of Sex Ratio Adjustment in the Presence of Sexually Antagonistic Selection. American Naturalist, 2010, 176, 264-275.	2.1	19
131	EVOLUTIONARILY STABLE SEX RATIOS AND MUTATION LOAD. Evolution; International Journal of Organic Evolution, 2013, 67, 1915-1925.	2.3	19
132	Costs of reproduction can explain the correlated evolution of semelparity and egg size: theory and a test with salmon. Ecology Letters, 2016, 19, 687-696.	6.4	19
133	Segregation and the Evolution of Sex Under Overdominant Selection. Genetics, 2003, 164, 1119-1128.	2.9	19
134	Liberating genetic variance through sex. BioEssays, 2003, 25, 533-537.	2.5	18
135	Little Evidence of Antagonistic Selection in the Evolutionary Strata of Fungal Mating-Type Chromosomes (Microbotryum lychnidis-dioicae). G3: Genes, Genomes, Genetics, 2019, 9, 1987-1998.	1.8	18
136	Genetic Paths to Evolutionary Rescue and the Distribution of Fitness Effects Along Them. Genetics, 2020, 214, 493-510.	2.9	17
137	Unravelling gene interactions. Nature, 1997, 390, 343-343.	27.8	16
138	Liking the good guys: amplifying local adaptation via the evolution of conditionâ€dependent mate choice. Journal of Evolutionary Biology, 2015, 28, 1804-1815.	1.7	15
139	Genes and Other Samples of DNA Sequence Data for Phylogenetic Inference. Biological Bulletin, 1999, 196, 345-350.	1.8	14
140	A short history of recombination in yeast. Trends in Ecology and Evolution, 2007, 22, 223-225.	8.7	14
141	FUNCTIONAL PLEIOTROPY AND MATING SYSTEM EVOLUTION IN PLANTS: FREQUENCY-INDEPENDENT MATING. Evolution; International Journal of Organic Evolution, 2012, 66, 957-972.	2.3	14
142	More on recombination and selection in the modifier theory of sex-ratio distortion. Theoretical Population Biology, 1989, 35, 207-225.	1.1	13
143	Ploidy and the evolution of parasitism. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2814-2822.	2.6	13
144	Evolutionary potential for genomic islands of sexual divergence on recombining sex chromosomes. New Phytologist, 2019, 224, 1241-1251.	7.3	13

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145	Relative genomic impacts of translocation history, hatchery practices, and farm selection in Pacific oyster Crassostrea gigas throughout the Northern Hemisphere. Evolutionary Applications, 2020, 13, 1380-1399.	3.1	13
146	The need for linked genomic surveillance of SARS-CoV-2. Canada Communicable Disease Report, 2022, 48, 131-139.	1.3	13
147	Unravelling the evolutionary advantage of sex: a commentary on â€˜Mutationâ€“selection balance and the evolutionary advantage of sex and recombinationâ€™ by Brian Charlesworth. Genetical Research, 2007, 89, 447-449.	0.9	12
148	EVOLUTION BY FISHERIAN SEXUAL SELECTION IN DIPLOIDS. Evolution; International Journal of Organic Evolution, 2009, 63, 1076-1083.	2.3	12
149	THE MAINTENANCE OF OBLIGATE SEX IN FINITE, STRUCTURED POPULATIONS SUBJECT TO RECURRENT BENEFICIAL AND DELETERIOUS MUTATION. Evolution; International Journal of Organic Evolution, 2012, 66, 3658-3669.	2.3	12
150	Asymmetric competition impacts evolutionary rescue in a changing environment. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170374.	2.6	12
151	THE CONSEQUENCES OF DIOECY FOR SEED DISPERSAL: MODELING THE SEED-SHADOW HANDICAP. Evolution; International Journal of Organic Evolution, 2001, 55, 880-888.	2.3	11
152	Gene-culture co-evolution: teaching, learning, and correlations between relatives. Israel Journal of Ecology and Evolution, 2013, 59, 72-91.	0.6	11
153	Testing the socioeconomic and environmental determinants of better child-health outcomes in Africa: a cross-sectional study among nations. BMJ Open, 2019, 9, e029968.	1.9	11
154	On Evolution Under Sexual and Viability Selection: A Two-Locus Diploid Model. Evolution; International Journal of Organic Evolution, 1991, 45, 1443.	2.3	9
155	On the evolution of recombination in haploids and diploids: I. Deterministic models. Complexity, 1995, 1, 57-67.	1.6	9
156	The first steps in adaptive evolution. Nature Genetics, 2005, 37, 342-343.	21.4	9
157	National contributions to global ecosystem values. Conservation Biology, 2019, 33, 1219-1223.	4.7	9
158	Some Advantages and Disadvantages of Recombination. Lecture Notes in Biomathematics, 1994, , 198-211.	0.3	9
159	Unbalanced selection: the challenge of maintaining a social polymorphism when a supergene is selfish. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	9
160	Two-locus autosomal sex determination: on the evolutionary genetic stability of the even sex ratio.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 2013-2017.	7.1	8
161	THE EVOLUTION OF GENOMIC BASE COMPOSITION IN BACTERIA. Evolution; International Journal of Organic Evolution, 2003, 57, 1783.	2.3	8
162	Evolution of plasticity in production and transgenerational inheritance of small RNAs under dynamic environmental conditions. PLoS Genetics, 2021, 17, e1009581.	3.5	8

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163	On Genetic Segregation and the Evolution of Sex. Evolution; International Journal of Organic Evolution, 1992, 46, 775.	2.3	6
164	On the evolution of recombination in haploids and diploids: II. Stochastic models. Complexity, 1995, 1, 49-57.	1.6	6
165	The impact of epistatic selection on the genomic traces of selection. Molecular Ecology, 2009, 18, 4985-4987.	3.9	6
166	Fixation Probability in a Haploid-Diploid Population. Genetics, 2017, 205, 421-440.	2.9	6
167	Driven Apart: The Evolution of Ploidy Differences between the Sexes under Antagonistic Selection. American Naturalist, 2014, 183, 96-107.	2.1	5
168	Mating systems and the evolutionary transition between haploidy and diploidy. Biological Journal of the Linnean Society, 1996, 57, 197-218.	1.6	5
169	ON GENETIC SEGREGATION AND THE EVOLUTION OF SEX. Evolution; International Journal of Organic Evolution, 1992, 46, 775-782.	2.3	4
170	Coevolution fails to maintain genetic variation in a hostâ€“parasite model with constant finite population size. Theoretical Population Biology, 2021, 137, 10-21.	1.1	4
171	Feedback between coevolution and epidemiology can help or hinder the maintenance of genetic variation in hostâ€parasite models. Evolution; International Journal of Organic Evolution, 2021, 75, 582-599.	2.3	4
172	Fixation and effective size in a haploidâ€“diploid population with asexual reproduction. Theoretical Population Biology, 2022, 143, 30-45.	1.1	3
173	A sheep in wolfâ€™s clothing: levels of deceit and detection in the evolution of cue-mimicry. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191425.	2.6	2
174	Eliminating the cost of sex with sexual selection. Trends in Ecology and Evolution, 2001, 16, 602.	8.7	1
175	Genomes and evolution Population genetics and molecular evolution of whole genomes. Current Opinion in Genetics and Development, 2002, 12, 631-633.	3.3	1
176	Evolving beyond point mutations. Trends in Ecology and Evolution, 2002, 17, 110.	8.7	1
177	Women editors: we need more female scientists. Nature, 2006, 441, 812-812.	27.8	1
178	Probing the Depths of Biological Diversity During the Second Century of GENETICS. Genetics, 2016, 204, 395-400.	2.9	1
179	Evolution: Zeroing In on the Rate of Genome Doubling. Current Biology, 2018, 28, R320-R322.	3.9	1
180	â€œAny news?â€•Special issue in honor of Marcus Feldmanâ€™s 75th birthday. Theoretical Population Biology, 2019, 129, 1-3.	1.1	1

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181	Some topics in theoretical population genetics: Editorial commentaries on a selection of Marc Feldmanâ€™s TPB papers. Theoretical Population Biology, 2019, 129, 4-8.	1.1	1
182	A MODEL OF THE EVOLUTION OF DICHOGAMY INCORPORATING SEX-RATIO SELECTION, ANTHER-STIGMA INTERFERENCE, AND INBREEDING DEPRESSION. Evolution; International Journal of Organic Evolution, 2006, 60, 934.	2.3	0
183	Chapter 3: Deriving Classic Models in Ecology and Evolutionary Biology. , 2007, , 54-109.		0
184	Fitness-valley crossing with generalized parentâ€“offspring transmission. Theoretical Population Biology, 2015, 105, 1-16.	1.1	0